

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
 Data File : BF130504.D
 Acq On : 03 Oct 2022 18:00
 Operator : CG\JU
 Sample : N4943-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-002-0930

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130504.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.140	345	349	357	rBV	152251	194478	5.37%	0.525%
2	4.828	459	466	469	rBV	1885081	2680120	74.03%	7.233%
3	5.240	532	536	552	rBV	1927644	1886091	52.09%	5.090%
4	5.646	601	605	612	rBV	152554	146833	4.06%	0.396%
5	6.281	708	713	732	rBV	1968663	1978924	54.66%	5.340%
6	6.634	770	773	777	rBV	696471	575294	15.89%	1.553%
7	6.816	800	804	809	rVB	104644	94572	2.61%	0.255%
8	7.204	865	870	873	rBV	1373601	1197335	33.07%	3.231%
9	7.657	943	947	952	rBV3	44944	62796	1.73%	0.169%
10	7.916	987	991	993	rBV	820662	849936	23.48%	2.294%
11	7.940	993	995	998	rVV	1807752	1431409	39.54%	3.863%
12	7.992	1001	1004	1011	rVB	179715	174913	4.83%	0.472%
13	8.634	1108	1113	1116	rBV	1363059	1255078	34.67%	3.387%
14	8.687	1118	1122	1125	rVV	48367	54460	1.50%	0.147%
15	8.728	1125	1129	1133	rVB	776680	625936	17.29%	1.689%
16	8.992	1169	1174	1178	rBV	2315752	2103092	58.09%	5.676%
17	9.092	1184	1191	1197	rBV	345046	291112	8.04%	0.786%
18	9.187	1200	1207	1213	rVB	137420	140633	3.88%	0.380%
19	9.251	1213	1218	1224	rBV	209042	294124	8.12%	0.794%
20	9.328	1227	1231	1233	rBV	289065	275493	7.61%	0.743%
21	9.351	1233	1235	1240	rVB	173944	166401	4.60%	0.449%
22	9.445	1245	1251	1256	rVV	117756	140017	3.87%	0.378%
23	9.528	1259	1265	1269	rBV	81663	73112	2.02%	0.197%
24	9.669	1283	1289	1291	rBV2	951886	928540	25.65%	2.506%
25	9.698	1291	1294	1299	rVB	1327480	1238476	34.21%	3.342%
26	9.769	1304	1306	1311	rVB	36157	45443	1.26%	0.123%
27	9.822	1311	1315	1318	rBV2	72653	74422	2.06%	0.201%
28	9.875	1320	1324	1327	rVV	1301654	1112916	30.74%	3.003%
29	9.910	1327	1330	1337	rVB	72119	79576	2.20%	0.215%
30	9.981	1337	1342	1345	rBV2	50978	55011	1.52%	0.148%
31	10.010	1345	1347	1354	rVB2	54446	51513	1.42%	0.139%
32	10.075	1354	1358	1360	rBV	44918	54555	1.51%	0.147%
33	10.169	1372	1374	1378	rVB3	33449	40249	1.11%	0.109%
34	10.216	1378	1382	1385	rVV	1836182	1505574	41.58%	4.063%
35	10.263	1387	1390	1391	rVV2	64056	55644	1.54%	0.150%
36	10.298	1394	1396	1399	rVV	218619	175876	4.86%	0.475%

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Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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37	10.345	1402	1404	1406	rVV	87339	75658	2.09%	0.204%
38	10.369	1406	1408	1413	rVB	302374	240513	6.64%	0.649%
39	10.457	1417	1423	1427	rBV	1573587	1520015	41.98%	4.102%
40	10.498	1427	1430	1434	rVB2	67487	73222	2.02%	0.198%
41	10.575	1439	1443	1451	rVB5	30801	55686	1.54%	0.150%
42	10.645	1451	1455	1458	rBV3	54623	57671	1.59%	0.156%
43	10.757	1467	1474	1477	rBV	174773	213953	5.91%	0.577%
44	10.786	1477	1479	1482	rVV2	64660	57001	1.57%	0.154%
45	10.839	1485	1488	1491	rVB2	72499	68825	1.90%	0.186%
46	10.886	1491	1496	1498	rBV2	68127	80731	2.23%	0.218%
47	10.910	1498	1500	1506	rVB	65349	62685	1.73%	0.169%
48	10.998	1512	1515	1519	rBV	74896	92824	2.56%	0.250%
49	11.045	1519	1523	1531	rVB	345569	310910	8.59%	0.839%
50	11.151	1536	1541	1542	rBV	738830	683300	18.87%	1.844%
51	11.180	1542	1546	1549	rVV	4124634	3620503	100.00%	9.770%
52	11.222	1549	1553	1557	rVV	386956	338247	9.34%	0.913%
53	11.263	1557	1560	1563	rVV3	42346	45963	1.27%	0.124%
54	11.386	1576	1581	1588	rVB	103100	125903	3.48%	0.340%
55	11.445	1588	1591	1594	rVV2	57847	56435	1.56%	0.152%
56	11.480	1594	1597	1602	rVB2	23521	40838	1.13%	0.110%
57	11.645	1620	1625	1628	rBV	228078	233416	6.45%	0.630%
58	11.675	1628	1630	1635	rVB	325395	275479	7.61%	0.743%
59	11.722	1635	1638	1641	rBV	107742	91089	2.52%	0.246%
60	11.757	1641	1644	1647	rBV	469481	464653	12.83%	1.254%
61	11.945	1673	1676	1679	rVB	157853	126587	3.50%	0.342%
62	12.192	1714	1718	1721	rBV2	57527	66370	1.83%	0.179%
63	12.357	1742	1746	1750	rBV	1653233	1375915	38.00%	3.713%
64	12.504	1764	1771	1776	rBV2	47301	56101	1.55%	0.151%
65	12.580	1779	1784	1787	rVV2	825663	1016316	28.07%	2.743%
66	12.633	1791	1793	1798	rVB3	52966	54018	1.49%	0.146%
67	12.704	1801	1805	1806	rBV	63688	49601	1.37%	0.134%
68	12.733	1806	1810	1813	rVV	1682121	1383358	38.21%	3.733%
69	12.804	1816	1822	1825	rBV2	41082	66927	1.85%	0.181%
70	12.910	1837	1840	1844	rVB	147387	138893	3.84%	0.375%
71	12.980	1848	1852	1854	rBV	156120	147314	4.07%	0.398%
72	13.010	1854	1857	1861	rVV	50383	51969	1.44%	0.140%
73	13.774	1980	1987	1990	rBV2	453859	612674	16.92%	1.653%
74	13.804	1990	1992	1999	rVV	162244	165398	4.57%	0.446%
75	13.880	2000	2005	2011	rVB	63755	71052	1.96%	0.192%
76	14.780	2154	2158	2167	rBV	60245	118782	3.28%	0.321%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.110	2210	2214	2220	rBV2	38792	71784	1.98%	0.194%
78	15.168	2220	2224	2237	rVB	358754	487082	13.45%	1.314%

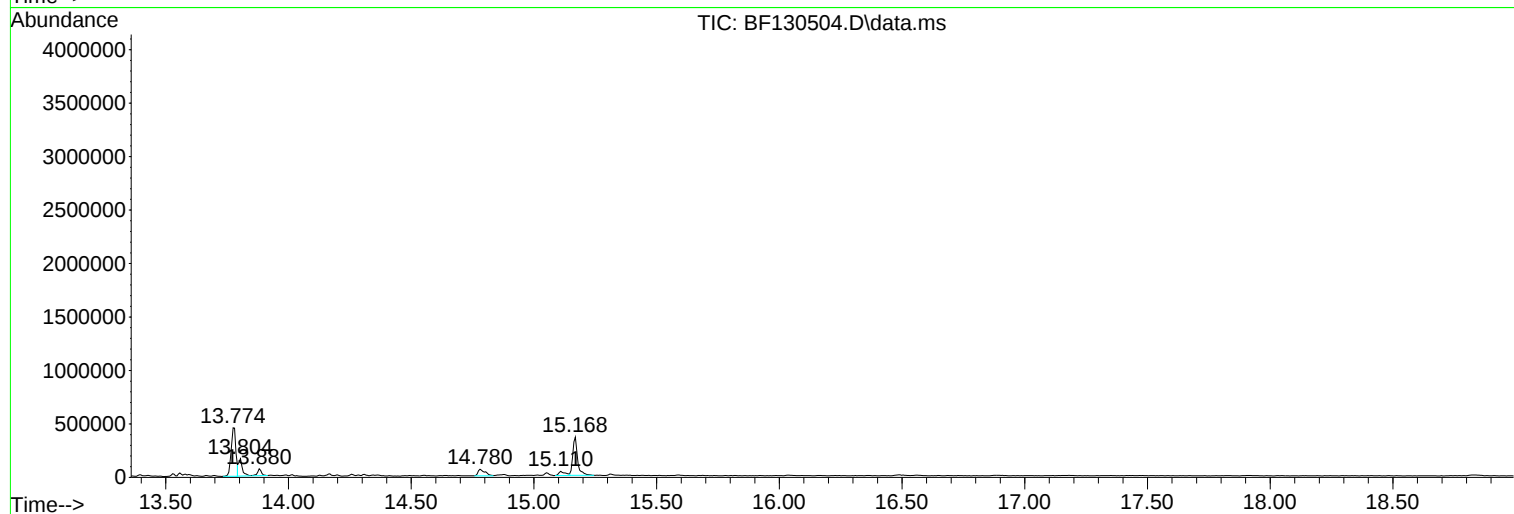
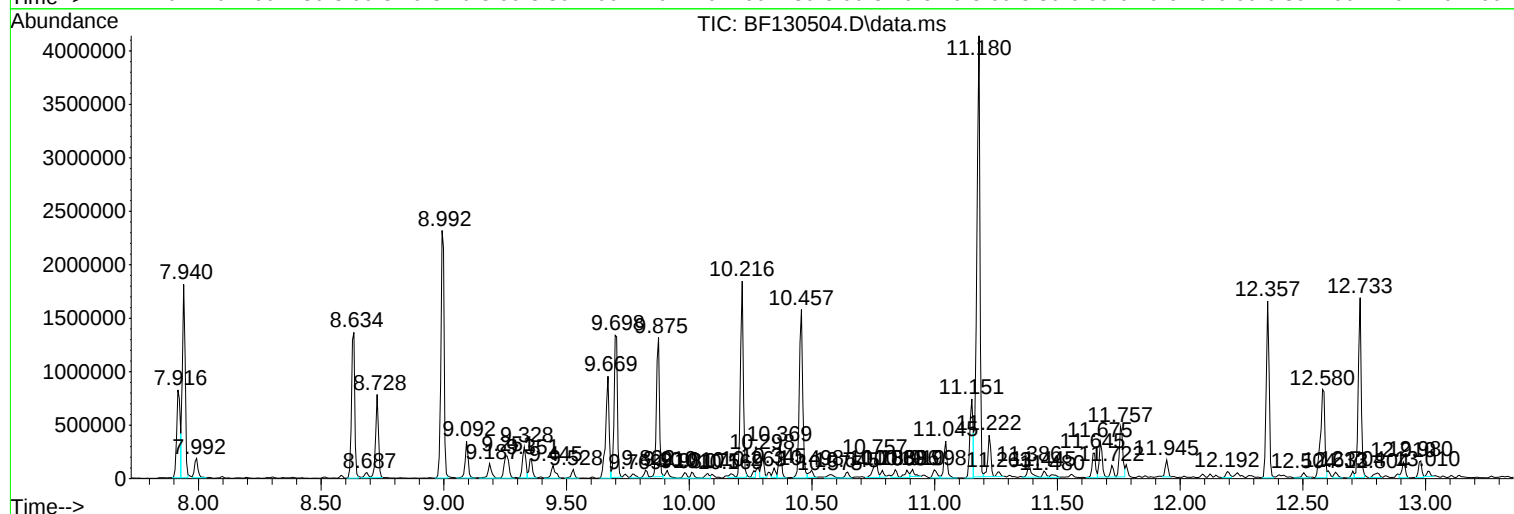
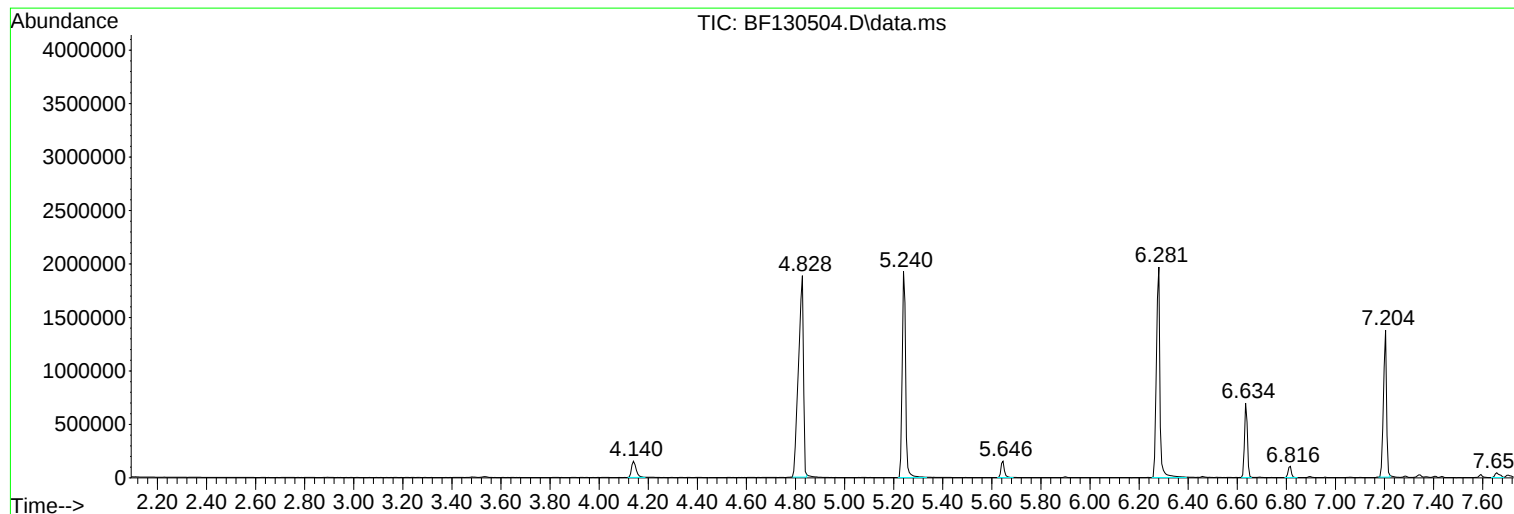
Sum of corrected areas: 37055615

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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Operator : CG\JU
Sample : N4943-03
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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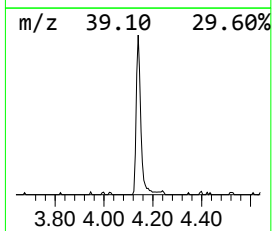
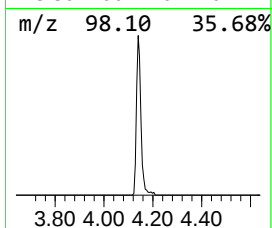
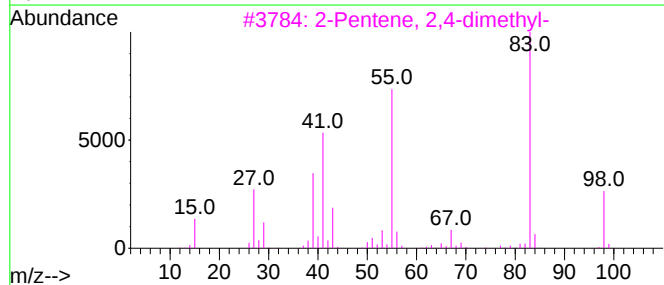
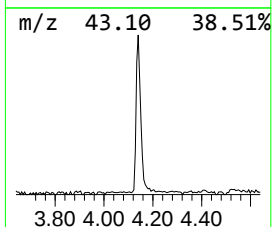
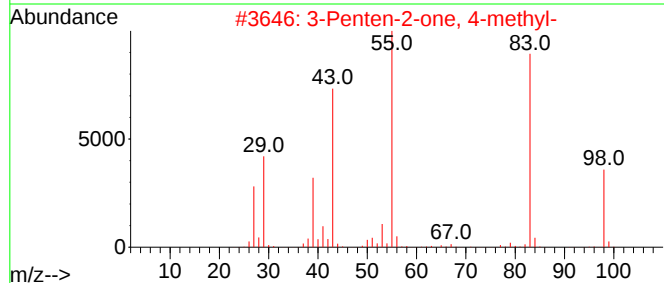
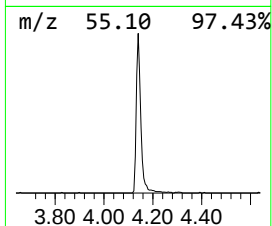
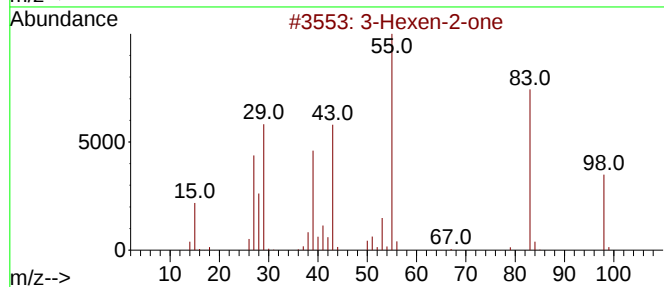
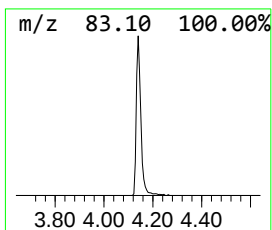
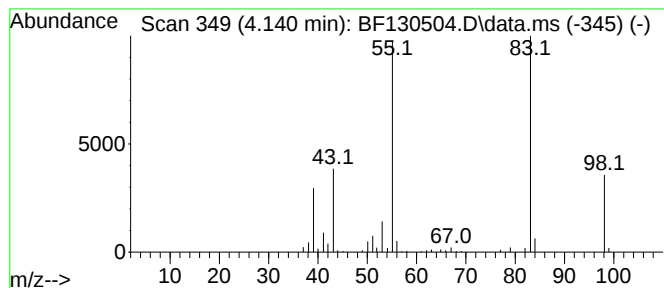
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 3-Hexen-2-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.140	6.76 ng	194478	1,4-Dichlorobenzene-d4	6.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Hexen-2-one	98	C6H10O	000763-93-9	91
2			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
3			2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	87
4			2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	86
5			2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86



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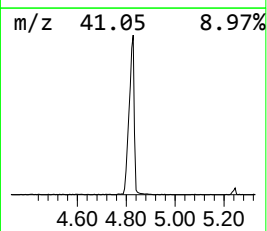
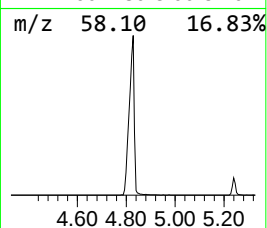
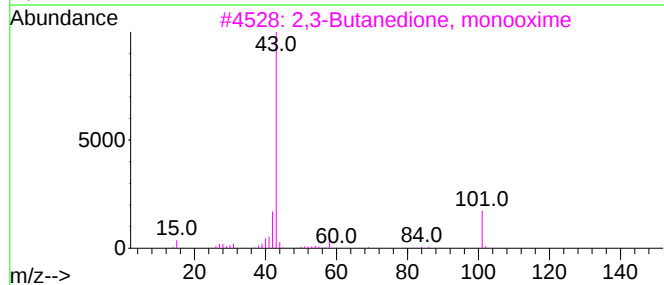
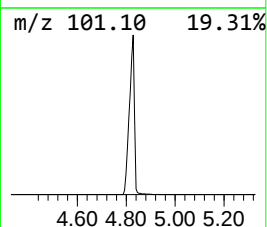
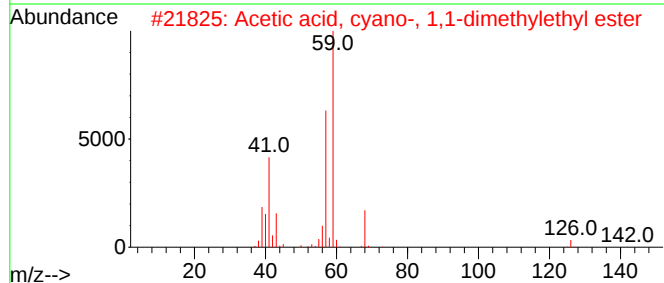
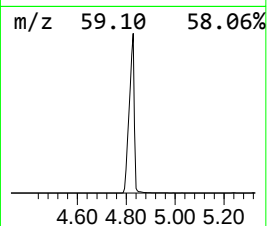
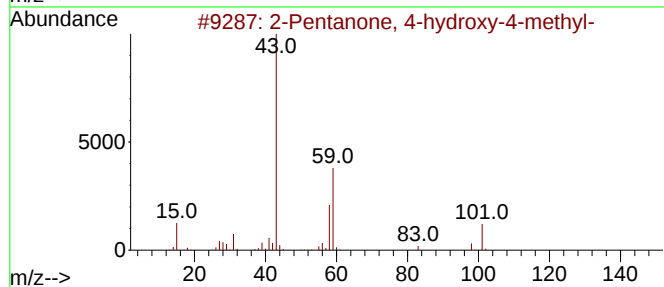
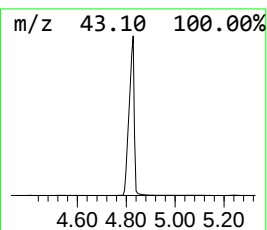
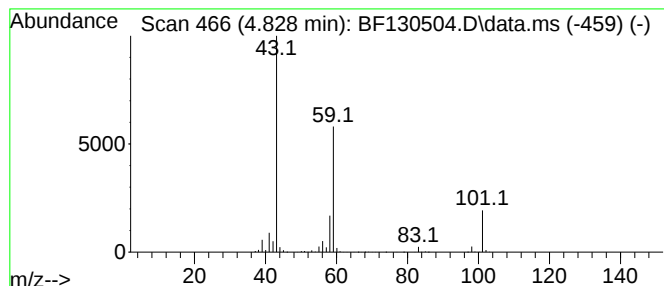
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.828	93.17 ng	2680120	1,4-Dichlorobenzene-d4	6.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Acetone	58	C3H6O	000067-64-1	10



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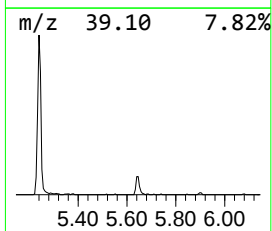
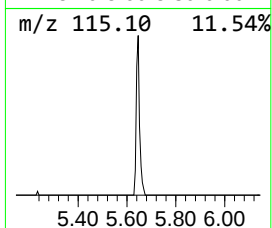
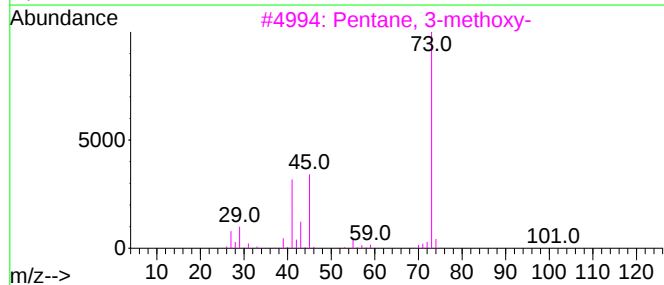
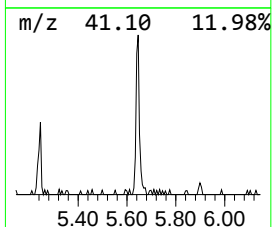
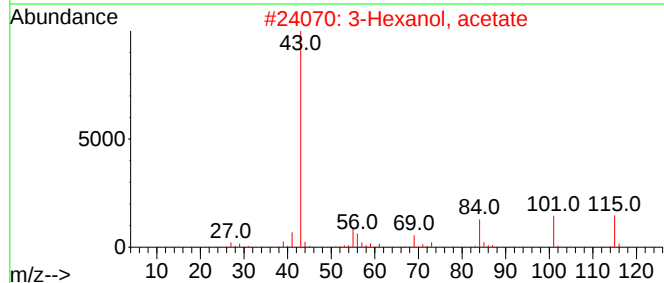
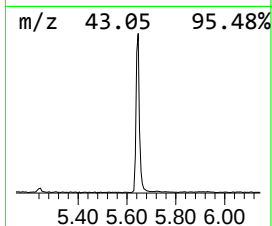
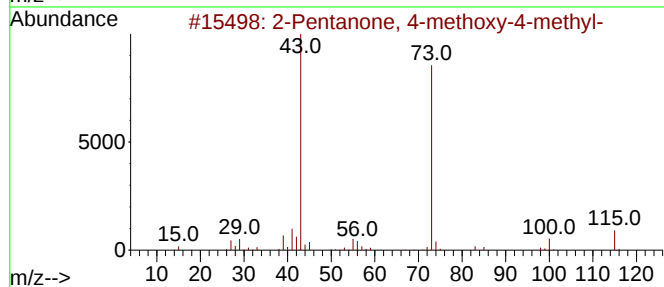
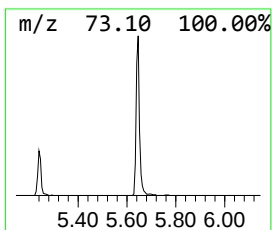
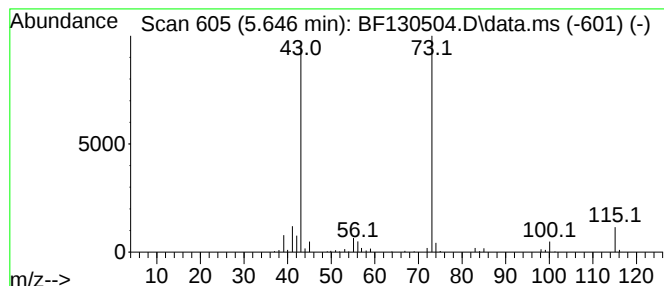
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-methoxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.646	5.10 ng	146833	1,4-Dichlorobenzene-d4	6.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	78
2			3-Hexanol, acetate	144	C8H16O2	040780-64-1	32
3			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	10
4			N-Ethylformamide	73	C3H7NO	000627-45-2	9
5			Hexane, 2-methyl-	100	C7H16	000591-76-4	9



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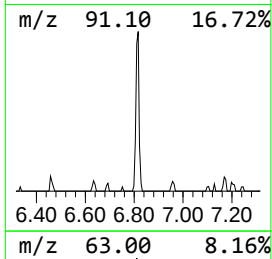
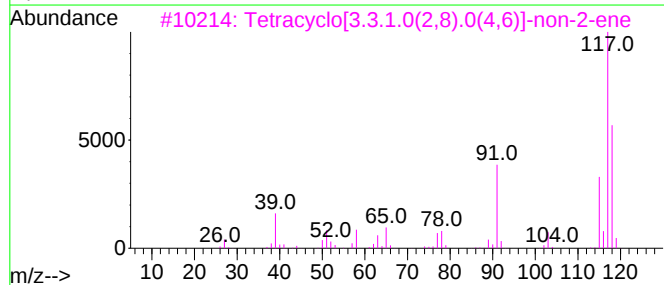
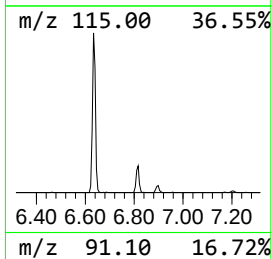
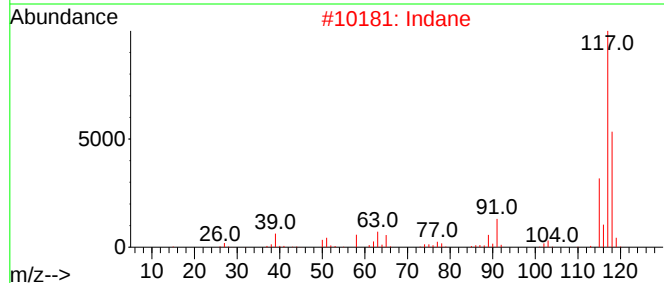
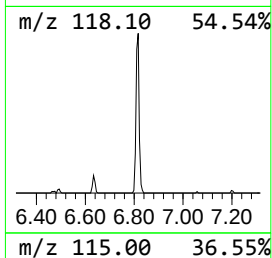
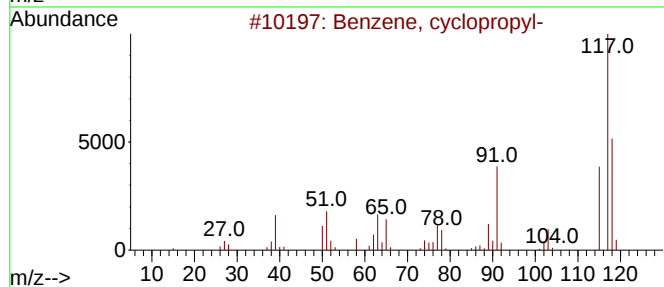
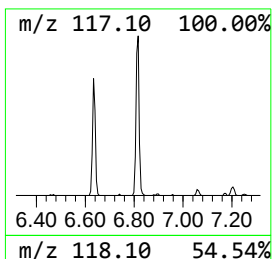
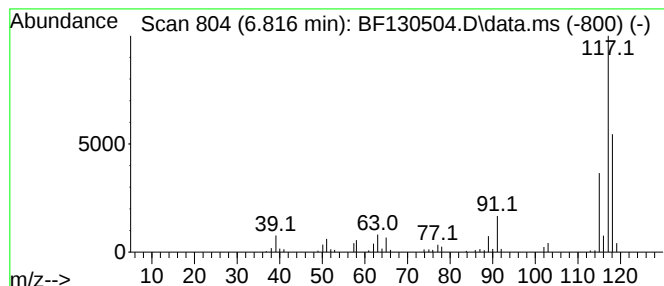
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, cyclopropyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.816	3.29 ng	94572	1,4-Dichlorobenzene-d4	6.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
2			Indane	118	C9H10	000496-11-7	93
3			Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4			Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5			Deltacyclene	118	C9H10	007785-10-6	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
Operator : CG\JU
Sample : N4943-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930

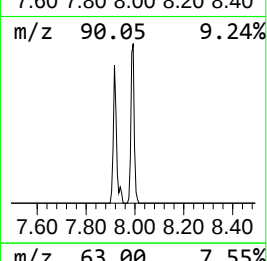
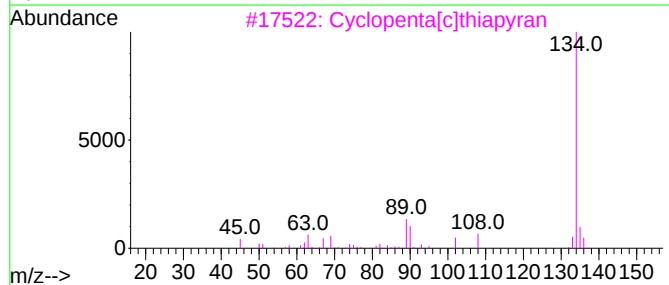
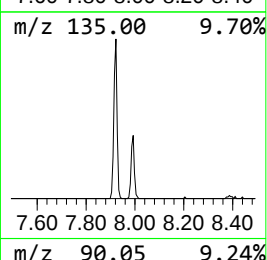
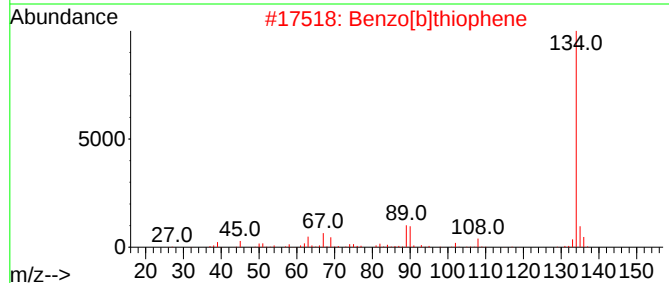
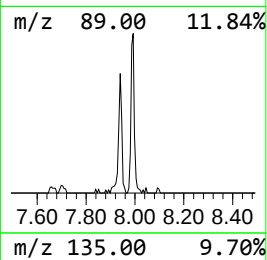
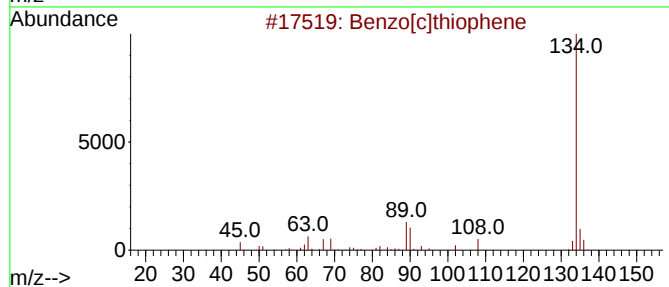
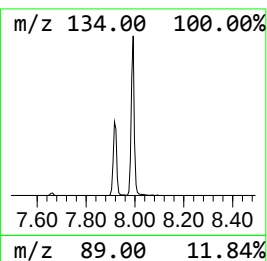
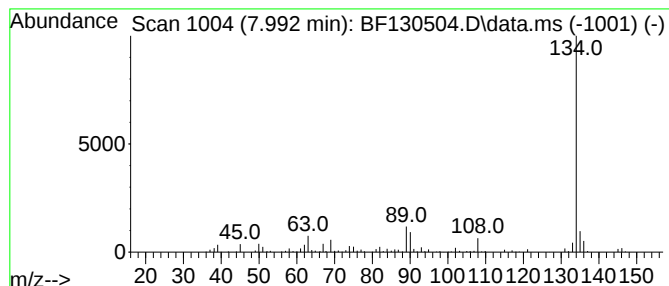
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzo[c]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.992	4.12 ng	174913	Naphthalene-d8	7.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2			Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3			Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4			Thiazolidin-4-one, 5-benzylideno...	287	C13H9N3OS2	351062-07-2	50
5			1H,1'H-2,2'-Biimidazole	134	C6H6N4	000492-98-8	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
Operator : CG\JU
Sample : N4943-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930

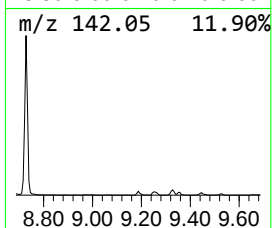
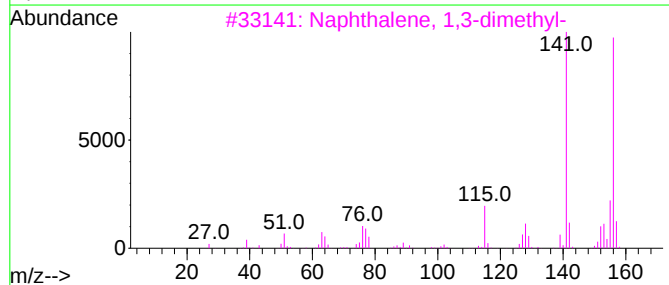
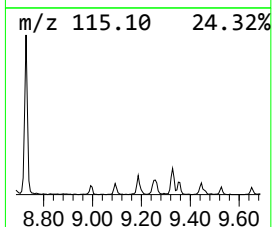
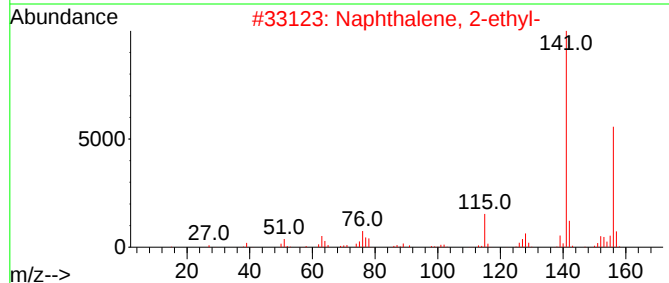
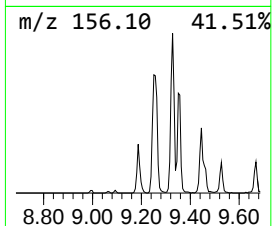
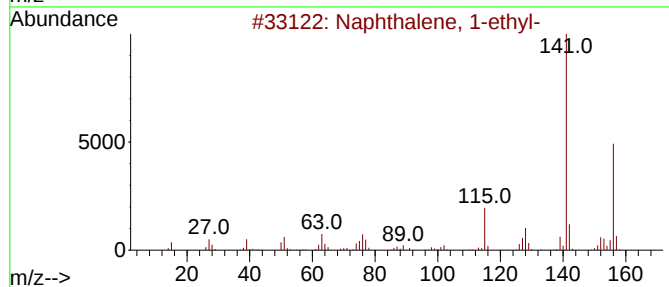
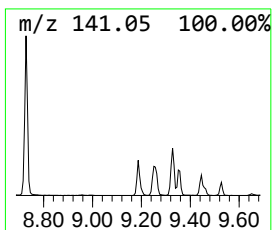
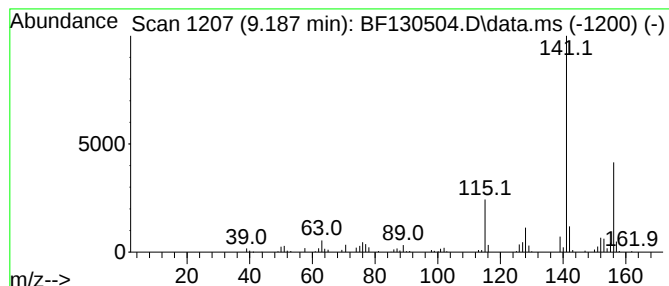
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.187	3.03 ng	140633	Acenaphthene-d10	9.669

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
4			2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59
5			2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
Operator : CG\JU
Sample : N4943-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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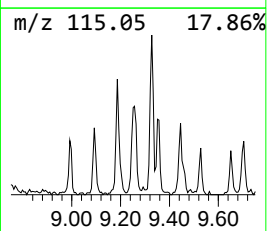
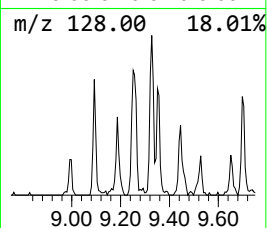
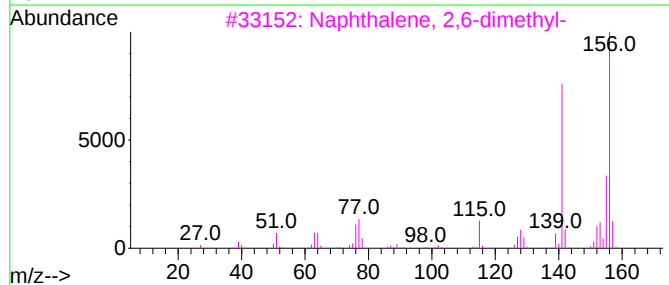
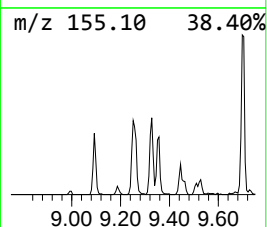
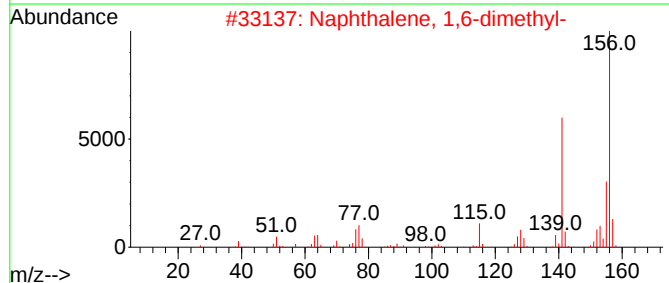
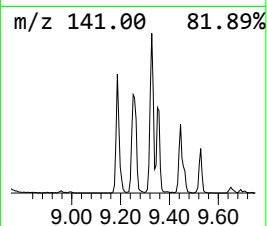
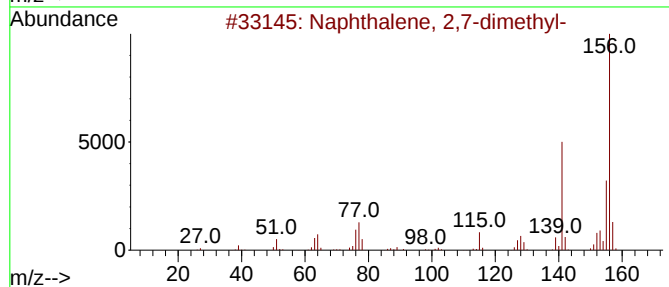
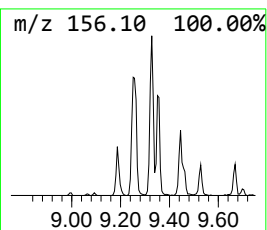
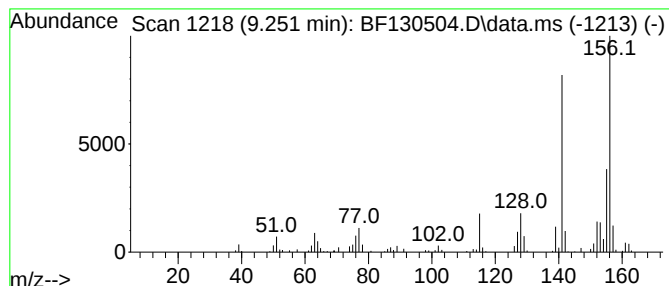
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.251	6.34 ng	294124	Acenaphthene-d10	9.669

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
Operator : CG\JU
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Misc :
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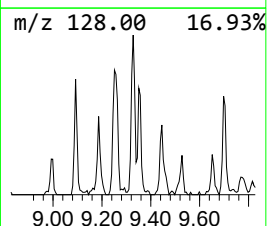
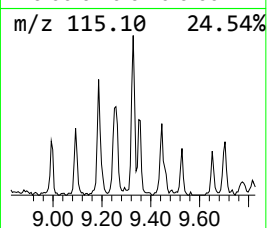
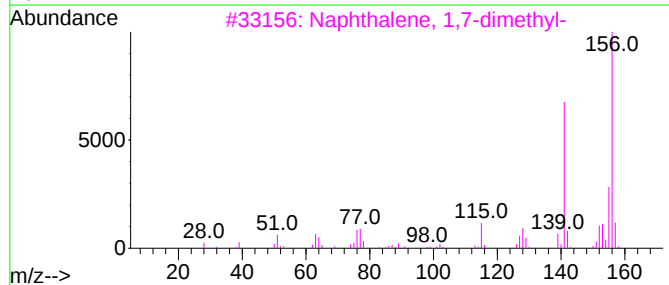
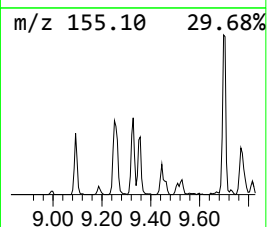
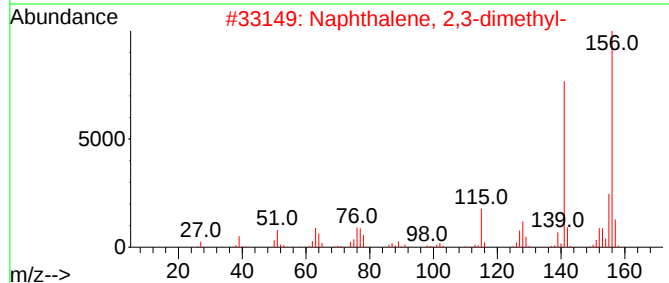
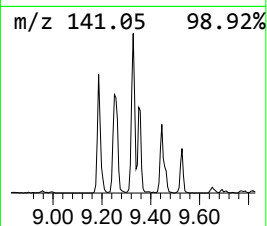
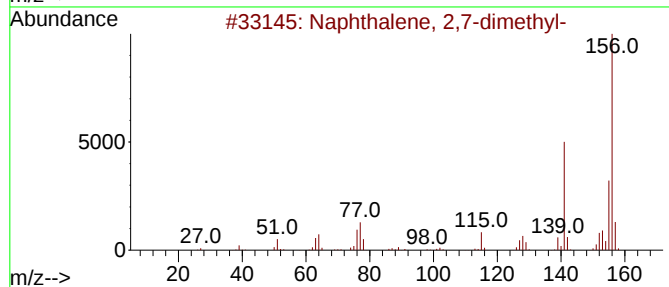
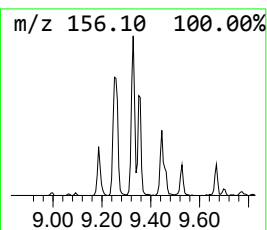
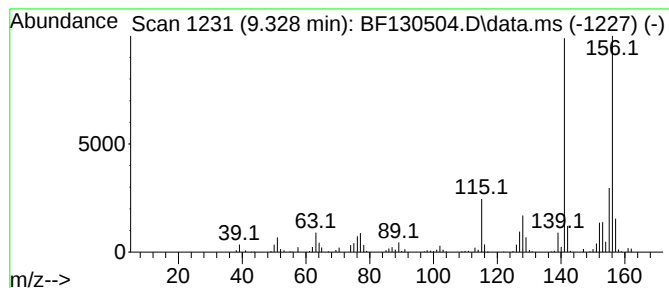
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.328	5.93 ng	275493	Acenaphthene-d10	9.669

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-002-0930

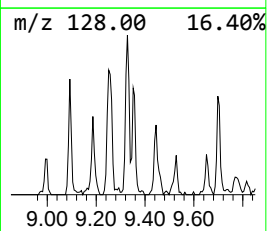
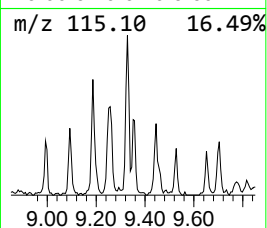
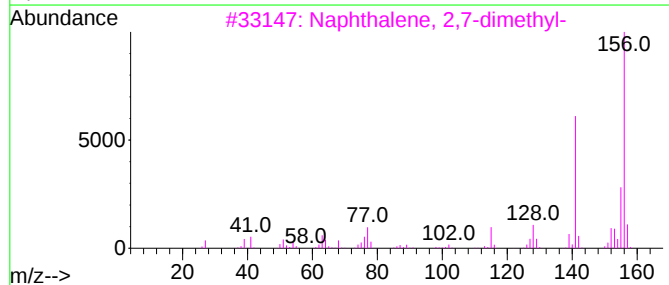
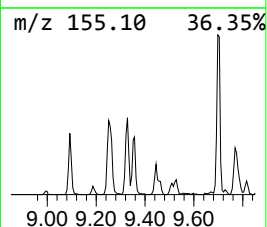
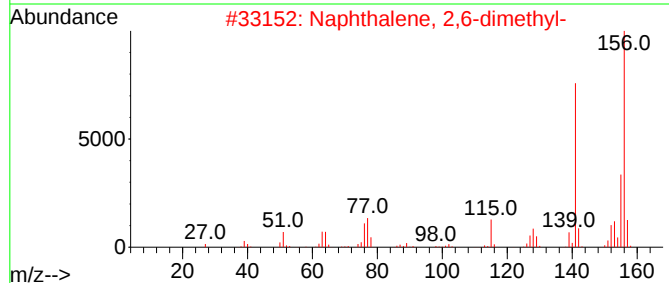
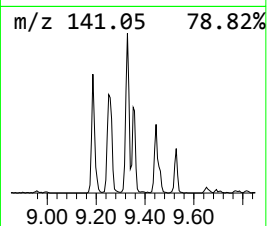
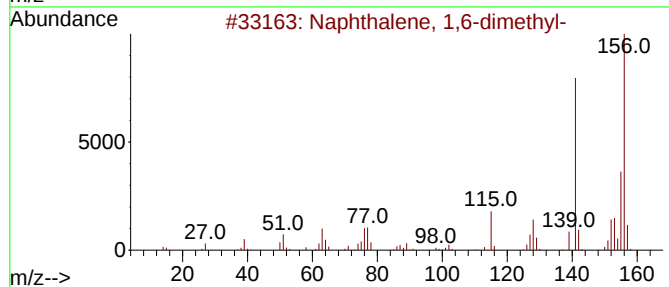
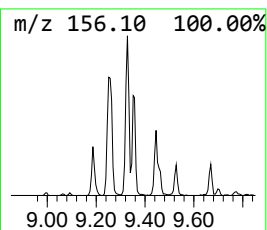
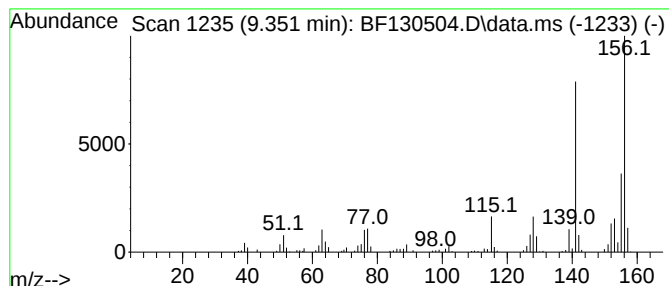
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.351	3.58 ng	166401	Acenaphthene-d10	9.669

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
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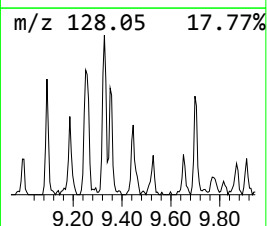
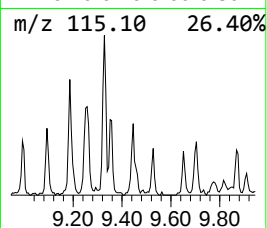
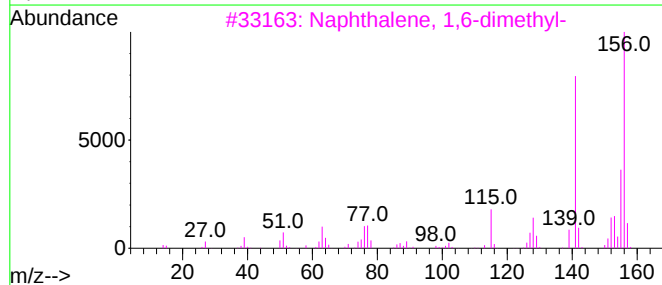
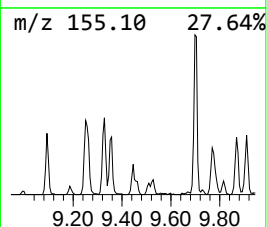
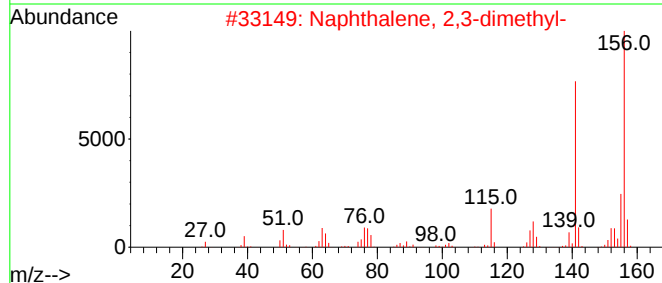
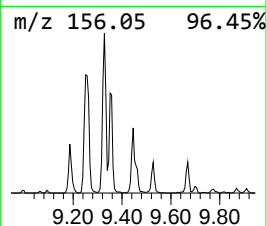
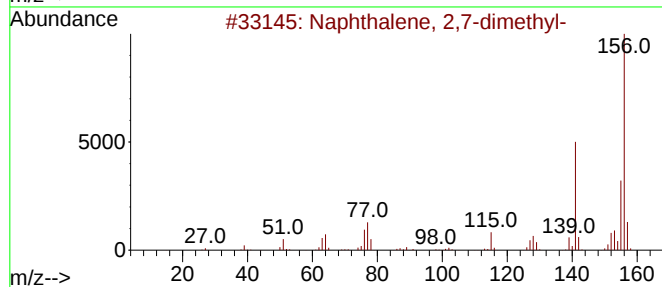
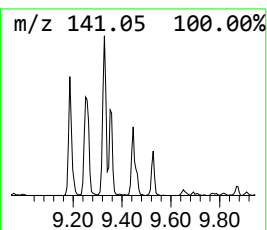
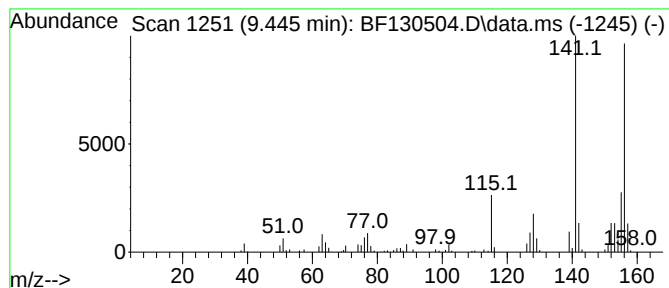
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 1,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.445	3.02 ng	140017	Acenaphthene-d10	9.669

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
Operator : CG\JU
Sample : N4943-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-002-0930

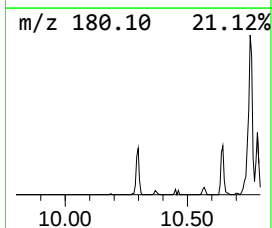
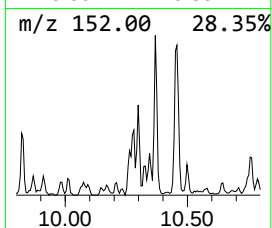
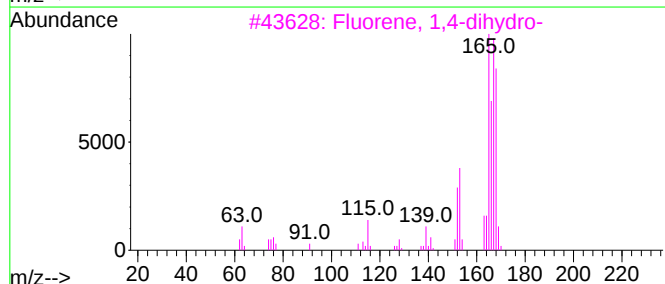
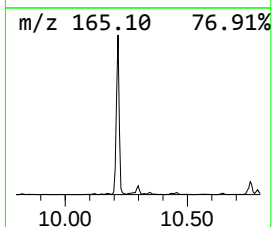
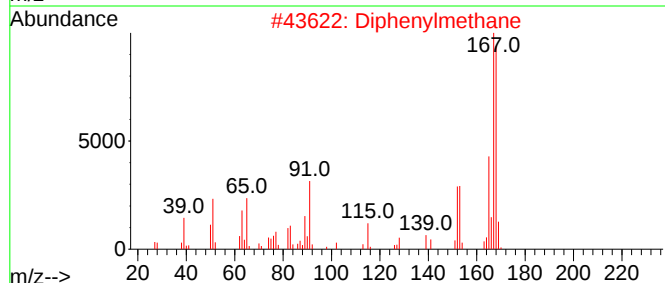
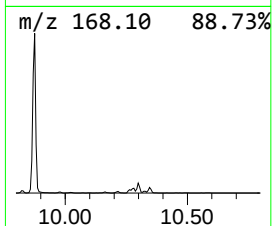
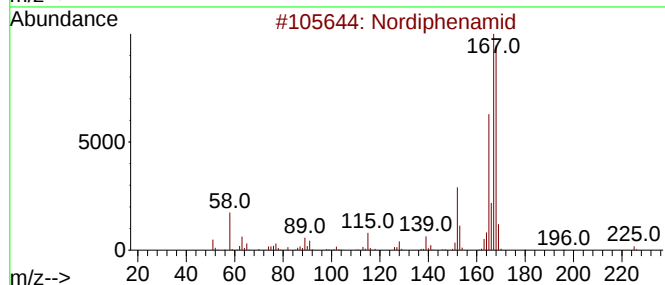
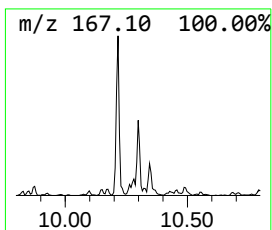
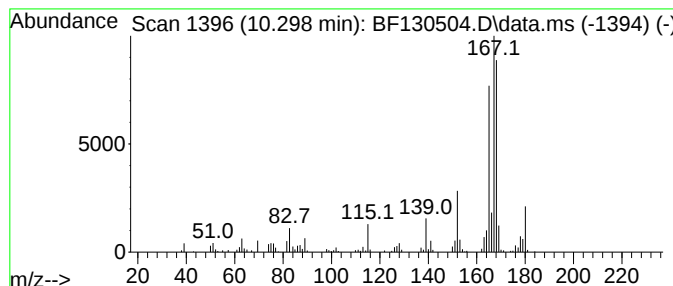
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Nordiphenamid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.298	3.79 ng	175876	Acenaphthene-d10	9.669

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nordiphenamid	225	C15H15NO	000954-21-2	87
2			Diphenylmethane	168	C13H12	000101-81-5	64
3			Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	49
4			1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	47
5			Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
Operator : CG\JU
Sample : N4943-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

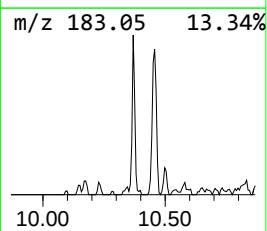
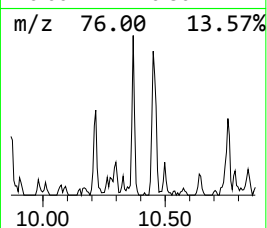
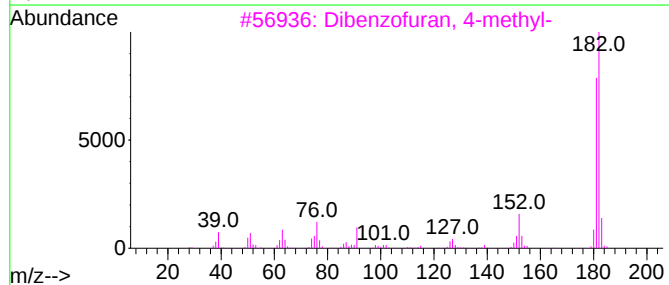
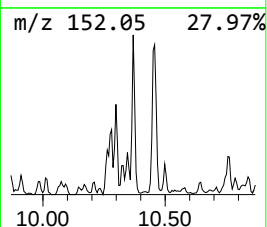
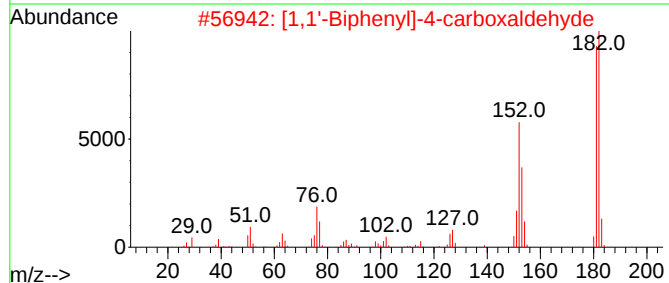
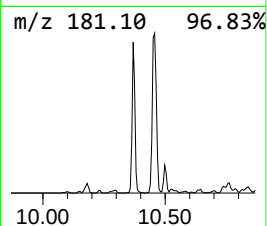
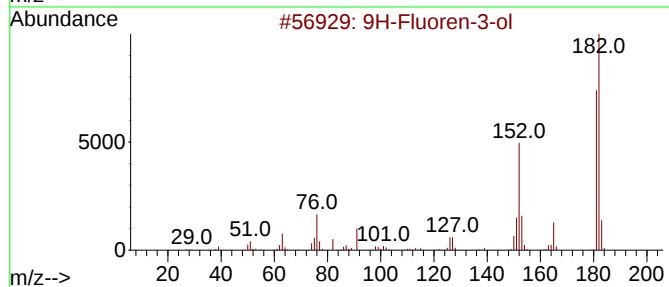
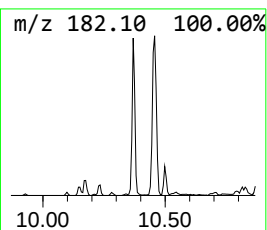
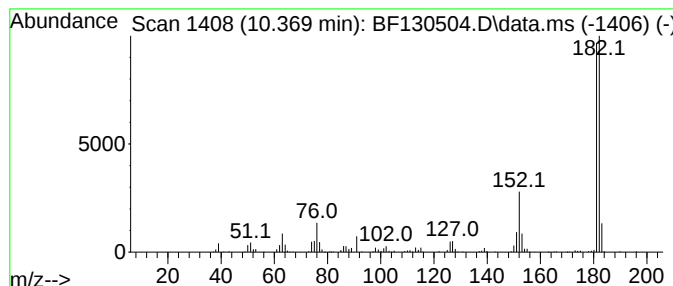
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 9H-Fluoren-3-ol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.		
10.369	5.18 ng	240513	Acenaphthene-d10		9.669		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-3-ol	182	C13H10O	006344-67-8	91
2			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3			Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
4			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
5			3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
Operator : CG\JU
Sample : N4943-03
Misc :
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Instrument :
BNA_F
ClientSampleId :
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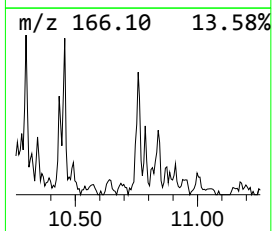
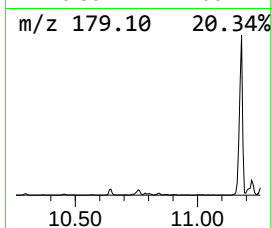
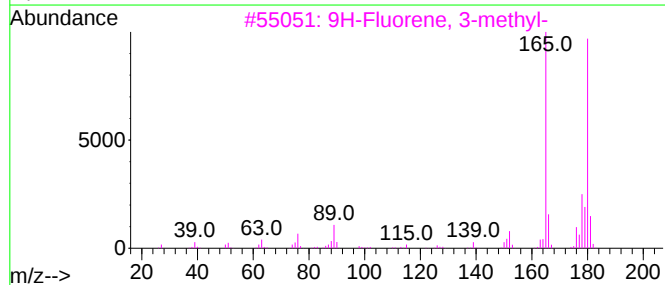
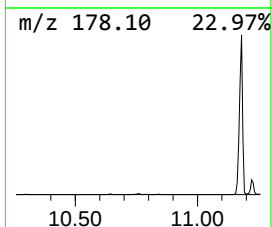
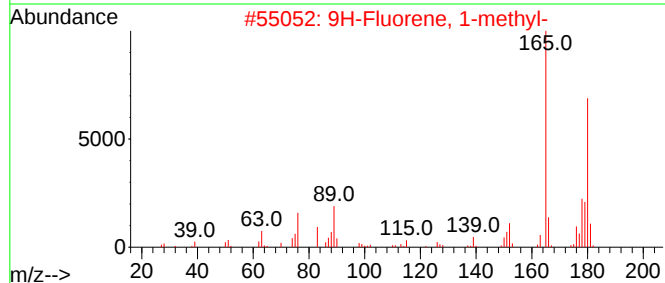
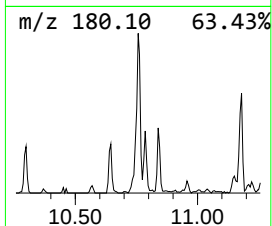
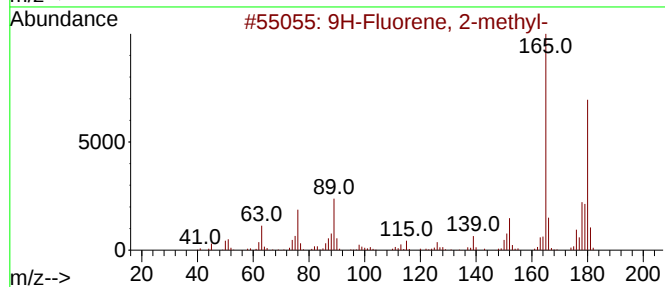
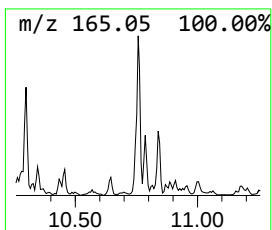
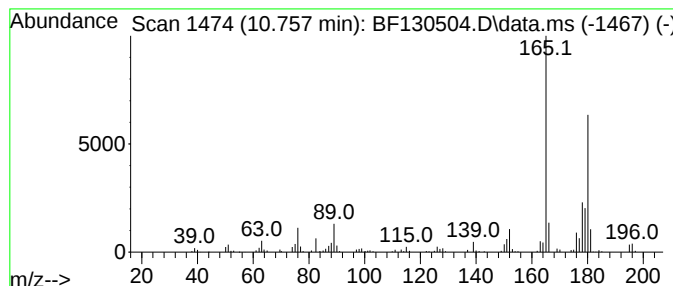
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 9H-Fluorene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.757	6.26 ng	213953	Phenanthrene-d10	11.151

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5			4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
Operator : CG\JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
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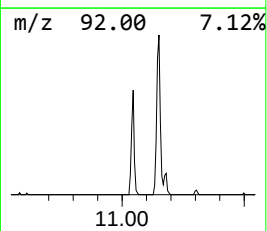
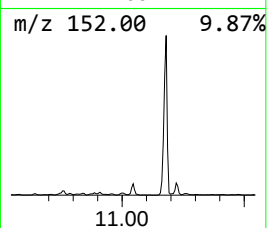
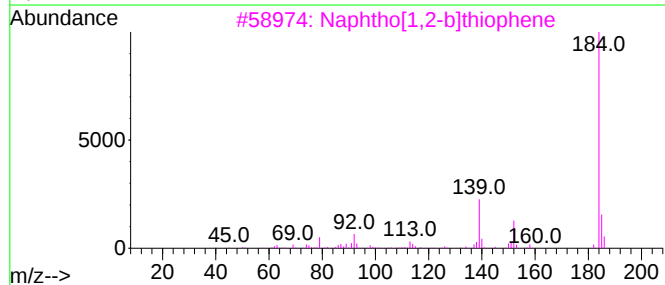
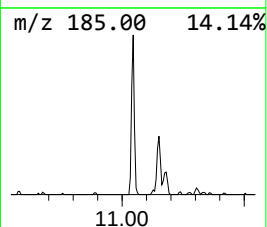
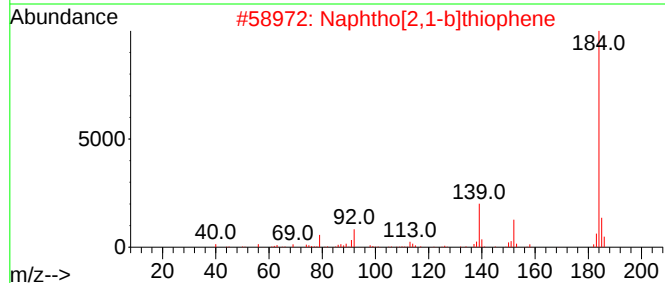
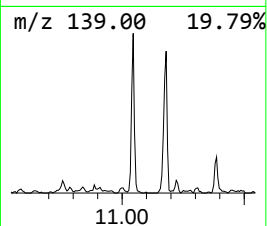
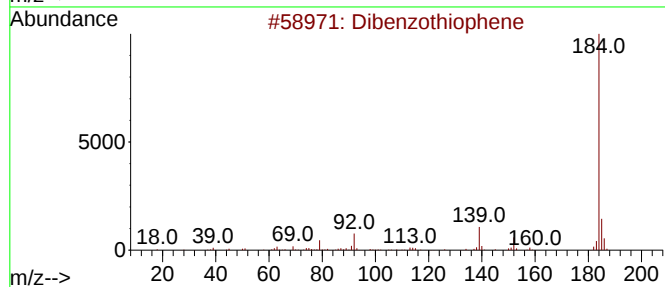
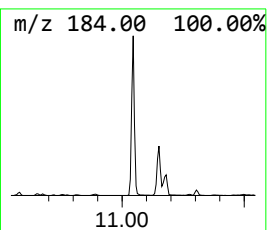
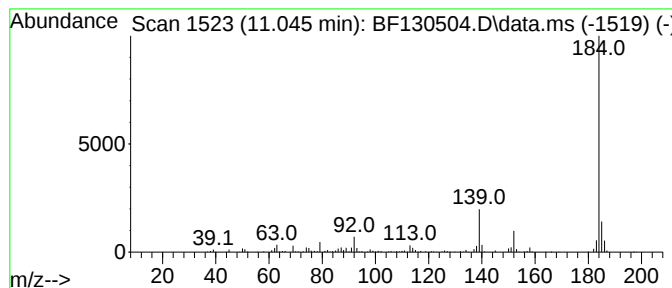
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Dibenzothiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.045	9.10 ng	310910	Phenanthrene-d10	11.151

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	97
2			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
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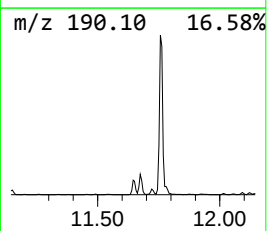
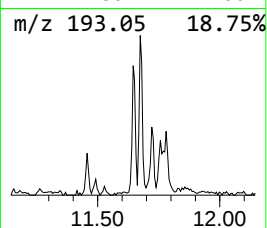
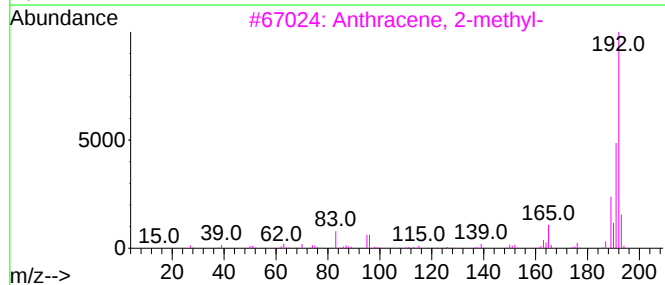
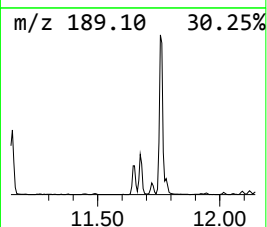
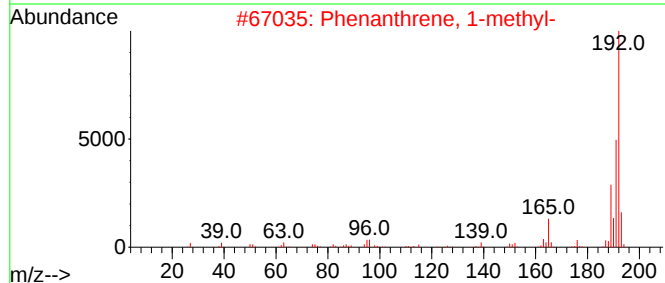
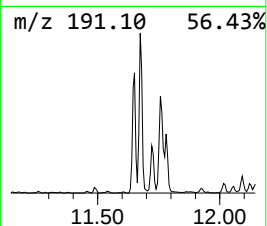
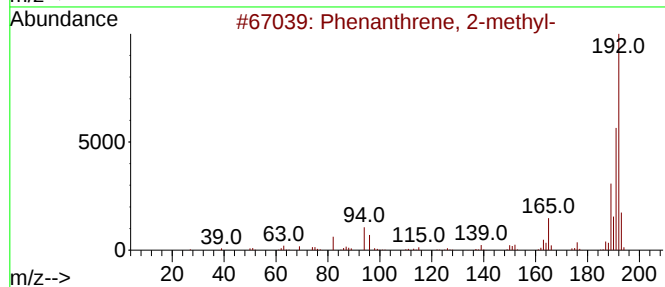
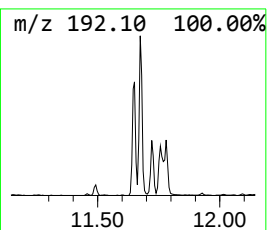
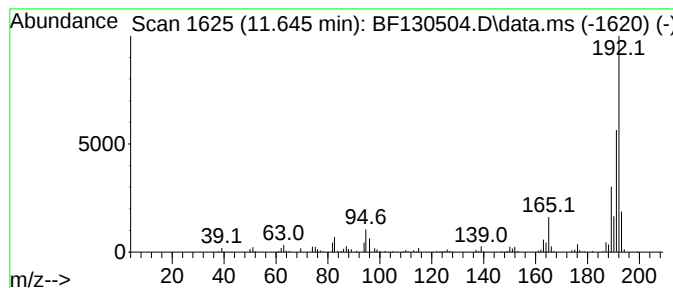
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.645	6.83 ng	233416	Phenanthrene-d10	11.151

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
Operator : CG\JU
Sample : N4943-03
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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
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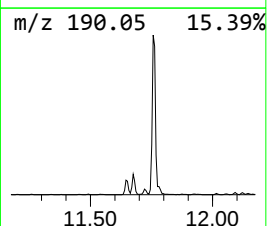
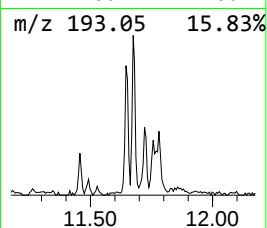
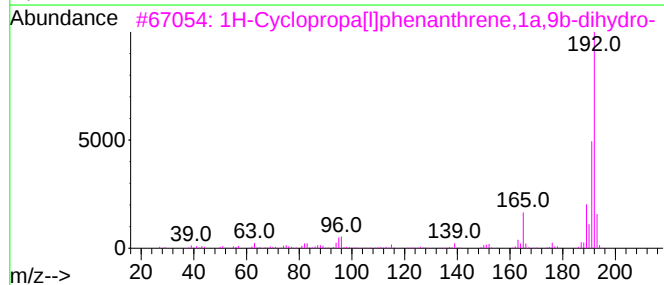
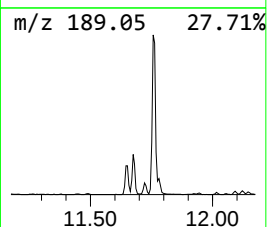
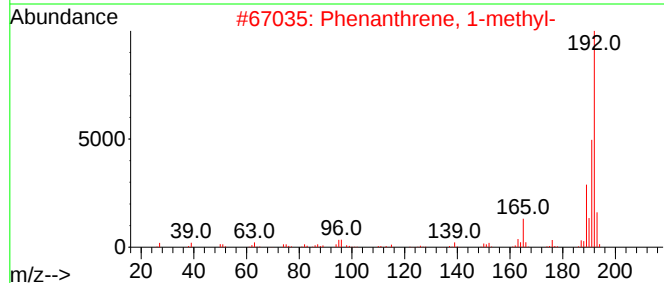
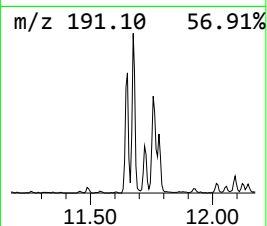
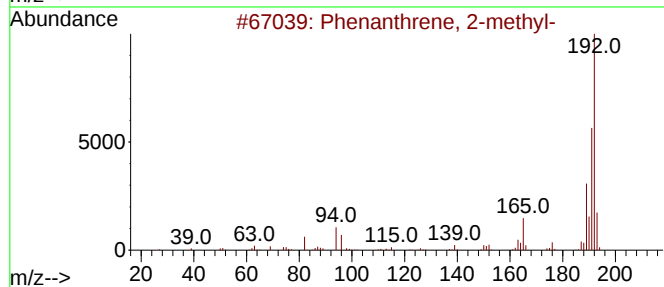
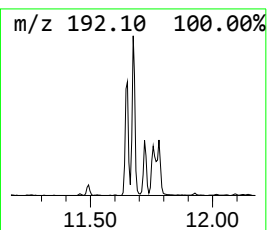
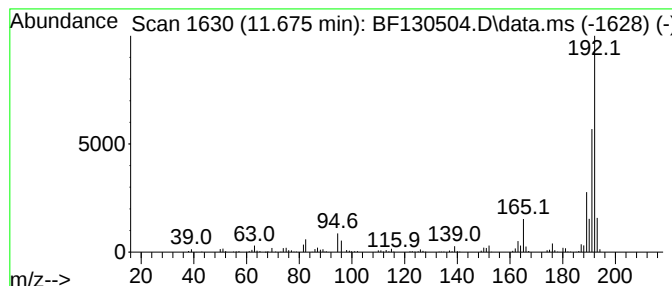
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.675	8.06 ng	275479	Phenanthrene-d10	11.151

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
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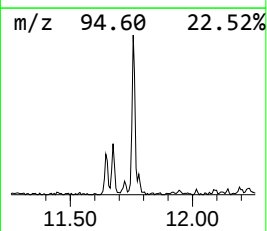
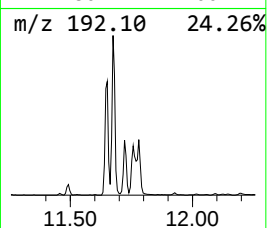
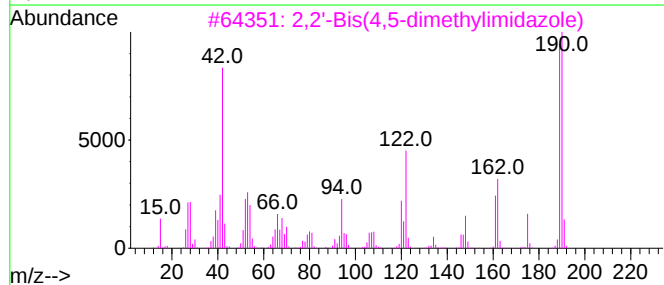
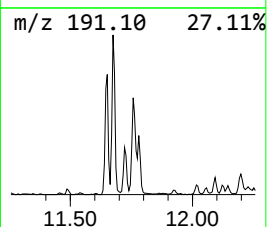
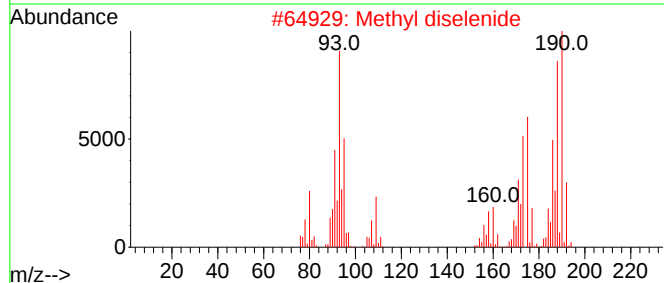
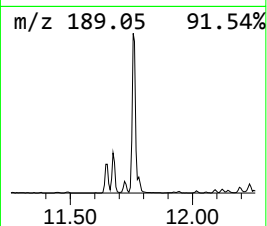
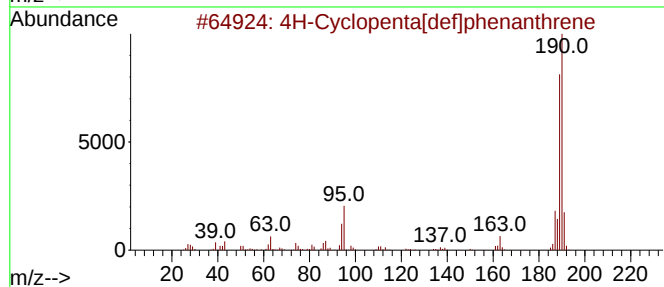
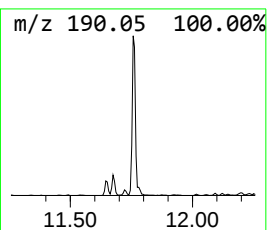
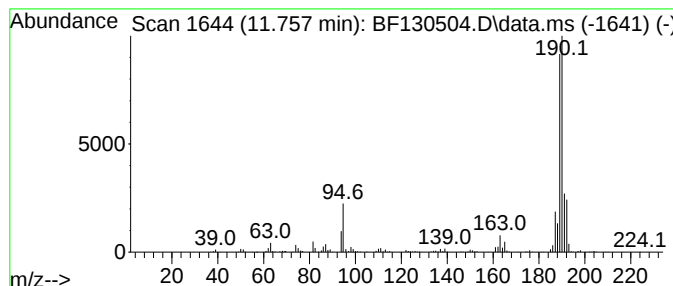
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.757	13.60 ng	464653	Phenanthrene-d10	11.151

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		Methyl diselenide	190	C2H6Se2	007101-31-7	55
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	33
5		Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
Operator : CG\JU
Sample : N4943-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930

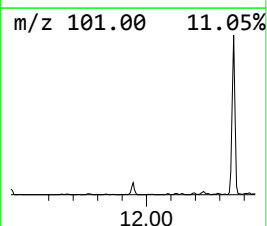
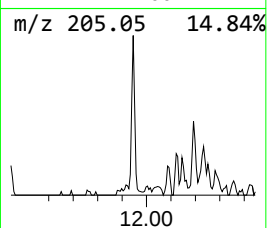
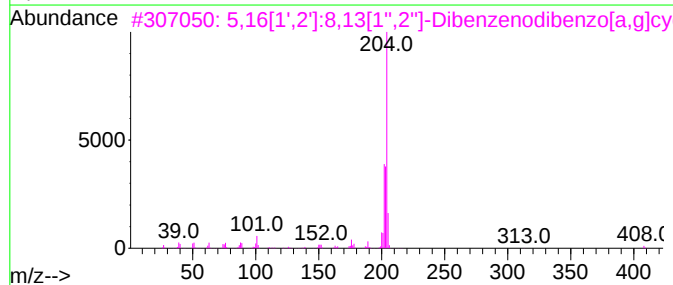
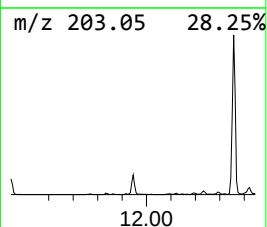
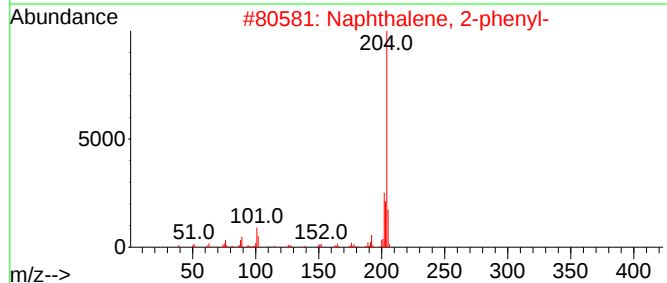
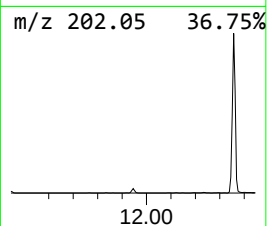
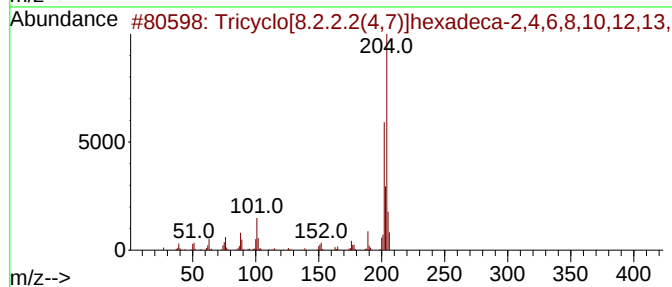
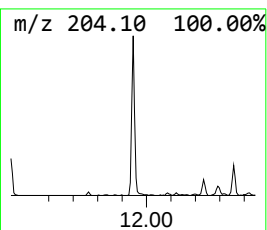
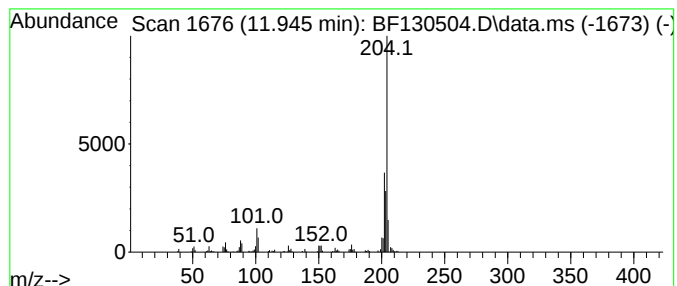
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	3.71 ng	126587	Phenanthrene-d10	11.151

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	87
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
3			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	62
5			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
Operator : CG\JU
Sample : N4943-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930

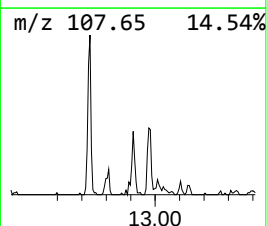
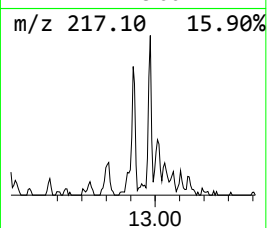
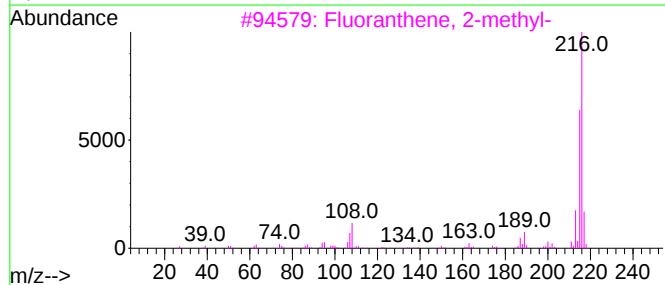
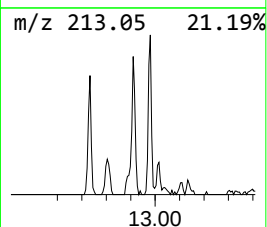
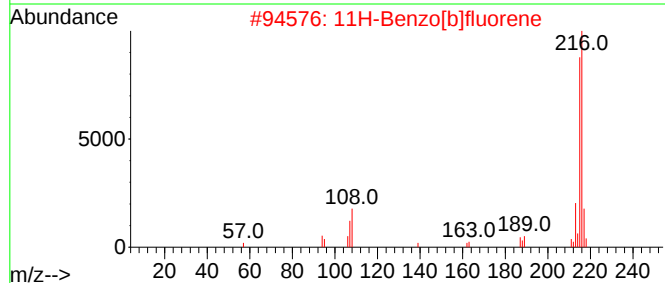
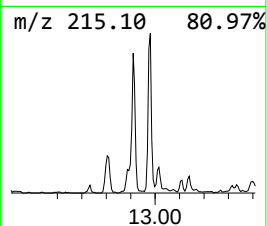
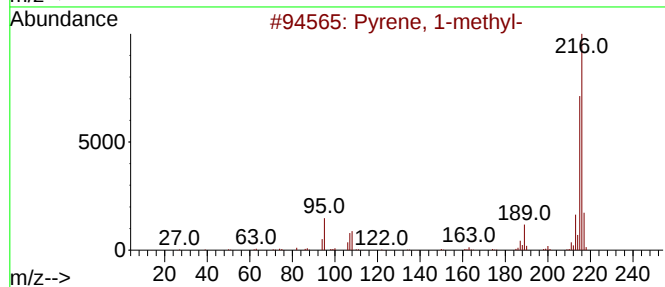
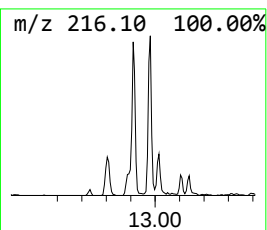
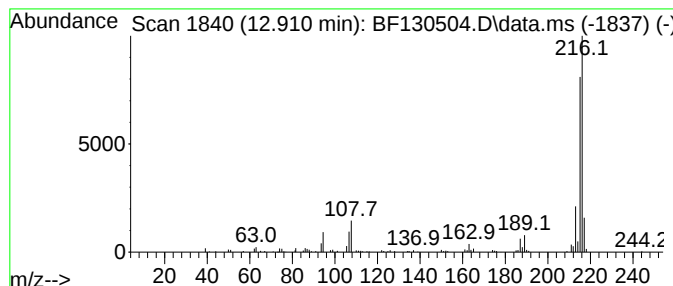
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.910	4.53 ng	138893	Chrysene-d12	13.780

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
Data File : BF130504.D
Acq On : 03 Oct 2022 18:00
Operator : CG\JU
Sample : N4943-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-002-0930

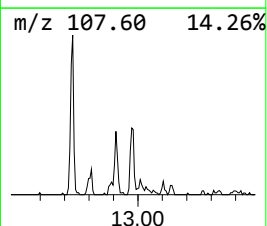
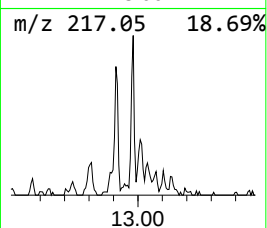
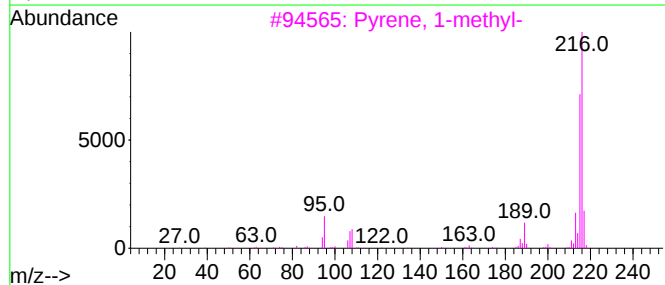
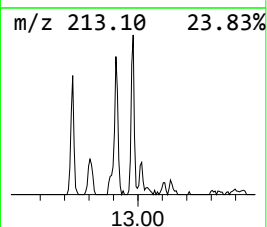
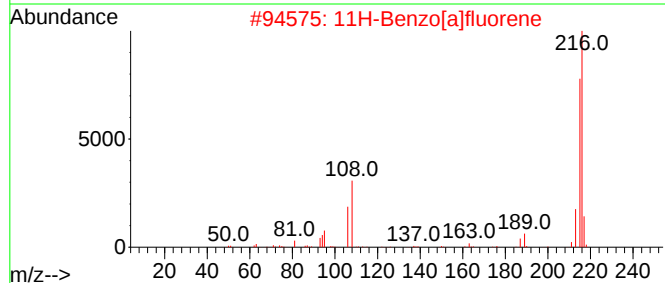
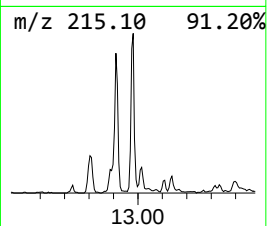
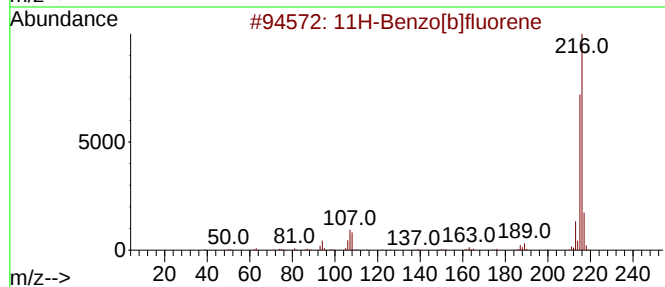
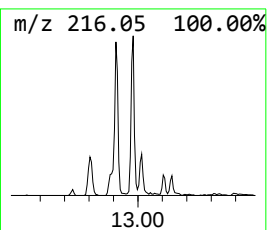
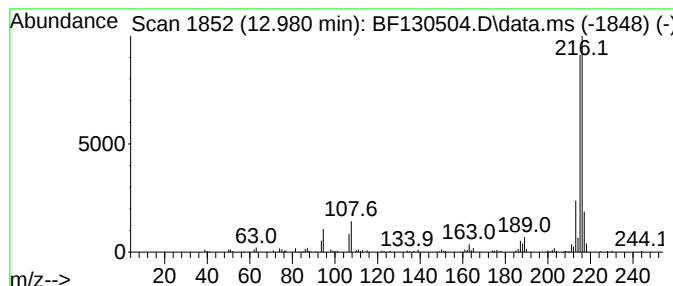
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.980	4.81 ng	147314	Chrysene-d12	13.780

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100322\
 Data File : BF130504.D
 Acq On : 03 Oct 2022 18:00
 Operator : CG\JU
 Sample : N4943-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-002-0930

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
3-Hexen-2-one	4.140	6.8	ng	194478	1	6.634	575294	20.0
2-Pentanone, 4-...	4.828	93.2	ng	2680120	1	6.634	575294	20.0
2-Pentanone, 4-...	5.646	5.1	ng	146833	1	6.634	575294	20.0
Benzene, cyclop...	6.816	3.3	ng	94572	1	6.634	575294	20.0
Benzo[c]thiophene	7.992	4.1	ng	174913	2	7.916	849936	20.0
Naphthalene, 1-...	9.187	3.0	ng	140633	3	9.669	928540	20.0
Naphthalene, 2,...	9.251	6.3	ng	294124	3	9.669	928540	20.0
Naphthalene, 2,...	9.328	5.9	ng	275493	3	9.669	928540	20.0
Naphthalene, 1,...	9.351	3.6	ng	166401	3	9.669	928540	20.0
Naphthalene, 1,...	9.445	3.0	ng	140017	3	9.669	928540	20.0
Nordiphenamid	10.298	3.8	ng	175876	3	9.669	928540	20.0
9H-Fluoren-3-ol	10.369	5.2	ng	240513	3	9.669	928540	20.0
9H-Fluorene, 2-...	10.757	6.3	ng	213953	4	11.151	683300	20.0
Dibenzothiophene	11.045	9.1	ng	310910	4	11.151	683300	20.0
Phenanthrene, 2...	11.645	6.8	ng	233416	4	11.151	683300	20.0
Phenanthrene, 1...	11.675	8.1	ng	275479	4	11.151	683300	20.0
4H-Cyclopenta[d...	11.757	13.6	ng	464653	4	11.151	683300	20.0
Tricyclo[8.2.2....	11.945	3.7	ng	126587	4	11.151	683300	20.0
Pyrene, 1-methyl-	12.910	4.5	ng	138893	5	13.780	612674	20.0
11H-Benzo[b]flu...	12.980	4.8	ng	147314	5	13.780	612674	20.0