

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135666.D
 Acq On : 09 Oct 2023 23:14
 Operator : CG\JU
 Sample : 04778-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

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-BF091123.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135666.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.957	485	488	501	rBV	159512	229596	11.32%	0.816%
2	5.369	555	558	579	rBV	1582968	1840289	90.72%	6.540%
3	6.004	664	666	670	rVB2	36903	33867	1.67%	0.120%
4	6.387	728	731	755	rBV	1944337	1897025	93.52%	6.742%
5	6.740	788	791	798	rVB	725921	647061	31.90%	2.300%
6	6.916	818	821	830	rVB	43562	44784	2.21%	0.159%
7	7.304	883	887	898	rBV	1318250	1170910	57.72%	4.161%
8	7.745	959	962	967	rBV2	26003	36893	1.82%	0.131%
9	8.016	1005	1008	1010	rBV	1017703	856911	42.24%	3.045%
10	8.040	1010	1012	1018	rVV	1209826	953308	47.00%	3.388%
11	8.092	1018	1021	1029	rVB2	54844	66186	3.26%	0.235%
12	8.734	1126	1130	1137	rBV	667242	580425	28.61%	2.063%
13	8.798	1137	1141	1143	rVV3	26988	40036	1.97%	0.142%
14	8.828	1143	1146	1154	rVB	390099	351694	17.34%	1.250%
15	9.092	1187	1191	1195	rBV	1971441	1775942	87.55%	6.312%
16	9.198	1206	1209	1219	rVB2	150570	165912	8.18%	0.590%
17	9.292	1219	1225	1230	rVB	67174	76447	3.77%	0.272%
18	9.363	1230	1237	1242	rBV	118616	175942	8.67%	0.625%
19	9.434	1245	1249	1252	rBV	169778	184954	9.12%	0.657%
20	9.463	1252	1254	1258	rVB	102288	86923	4.29%	0.309%
21	9.551	1266	1269	1275	rVB	85485	94395	4.65%	0.335%
22	9.639	1280	1284	1287	rVB	71146	69101	3.41%	0.246%
23	9.775	1299	1307	1310	rBV	1075092	951089	46.89%	3.380%
24	9.804	1310	1312	1317	rVB	837001	761464	37.54%	2.706%
25	9.881	1323	1325	1329	rVB	27970	32846	1.62%	0.117%
26	9.934	1329	1334	1336	rBV2	36441	42513	2.10%	0.151%
27	9.981	1339	1342	1346	rVV	587459	488165	24.07%	1.735%
28	10.022	1346	1349	1355	rVB2	48674	50737	2.50%	0.180%
29	10.092	1358	1361	1364	rBV2	43096	47608	2.35%	0.169%
30	10.122	1364	1366	1373	rVB2	34571	33099	1.63%	0.118%
31	10.181	1373	1376	1378	rBV4	34756	43052	2.12%	0.153%
32	10.204	1378	1380	1383	rVB	42547	33805	1.67%	0.120%
33	10.328	1397	1401	1407	rBV	850975	733899	36.18%	2.608%
34	10.392	1407	1412	1413	rVV	68051	83394	4.11%	0.296%
35	10.410	1413	1415	1418	rVV	100769	98125	4.84%	0.349%
36	10.457	1421	1423	1425	rVV	54313	47981	2.37%	0.171%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135666.D
 Acq On : 09 Oct 2023 23:14
 Operator : CG\JU
 Sample : 04778-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

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-BF091123.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.486	1425	1428	1431	rVB	105896	100043	4.93%	0.356%
38	10.569	1438	1442	1448	rBV	1244677	1146474	56.52%	4.074%
39	10.616	1448	1450	1453	rVB2	38997	33407	1.65%	0.119%
40	10.692	1458	1463	1466	rBV3	63530	87627	4.32%	0.311%

41	10.875	1490	1494	1497	rBV2	82697	87407	4.31%	0.311%
42	10.904	1497	1499	1503	rVV3	47224	40591	2.00%	0.144%
43	10.957	1506	1508	1511	rVB	38253	35044	1.73%	0.125%
44	11.028	1518	1520	1526	rVB2	35348	35004	1.73%	0.124%
45	11.128	1532	1537	1540	rBV4	59261	86588	4.27%	0.308%

46	11.163	1540	1543	1550	rVB	219317	211984	10.45%	0.753%
47	11.269	1558	1561	1563	rBV	873056	786329	38.77%	2.795%
48	11.298	1563	1566	1569	rVV	2317147	2028432	100.00%	7.209%
49	11.345	1569	1574	1578	rVV	326087	304856	15.03%	1.083%
50	11.386	1578	1581	1586	rVV3	53881	76118	3.75%	0.271%

51	11.510	1599	1602	1608	rBV	250010	216448	10.67%	0.769%
52	11.563	1608	1611	1614	rVV2	76148	60343	2.97%	0.214%
53	11.604	1616	1618	1624	rVB4	29862	36864	1.82%	0.131%
54	11.775	1644	1647	1649	rBV	187085	154712	7.63%	0.550%
55	11.804	1649	1652	1656	rVV	323136	279920	13.80%	0.995%

56	11.851	1658	1660	1663	rVV	68510	66333	3.27%	0.236%
57	11.886	1663	1666	1669	rVV	338066	329280	16.23%	1.170%
58	11.910	1669	1670	1673	rVB	101897	57409	2.83%	0.204%
59	11.969	1677	1680	1683	rBV2	45547	48348	2.38%	0.172%
60	12.075	1695	1698	1701	rBV	105549	95466	4.71%	0.339%

61	12.251	1726	1728	1732	rBV2	36715	31249	1.54%	0.111%
62	12.327	1738	1741	1744	rBV	60047	59710	2.94%	0.212%
63	12.363	1744	1747	1750	rVV2	63004	61124	3.01%	0.217%
64	12.492	1766	1769	1772	rBV	1311281	1073460	52.92%	3.815%
65	12.522	1772	1774	1778	rVB3	69678	73811	3.64%	0.262%

66	12.645	1792	1795	1797	rBV2	50171	44118	2.17%	0.157%
67	12.722	1802	1808	1814	rBV	943320	1008526	49.72%	3.584%
68	12.775	1815	1817	1822	rVB2	44084	44241	2.18%	0.157%
69	12.863	1826	1832	1836	rBV	1488161	1370936	67.59%	4.872%
70	12.945	1842	1846	1850	rBV2	52329	83720	4.13%	0.298%

71	13.027	1858	1860	1861	rBV	39335	33026	1.63%	0.117%
72	13.057	1862	1865	1868	rVV	143679	143312	7.07%	0.509%
73	13.098	1869	1872	1873	rVV	38011	32837	1.62%	0.117%
74	13.122	1873	1876	1879	rVV	153551	138365	6.82%	0.492%
75	13.157	1880	1882	1890	rVB3	72200	91493	4.51%	0.325%

76	13.257	1896	1899	1902	rBV2	33225	42944	2.12%	0.153%
----	--------	------	------	------	------	-------	-------	-------	--------

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135666.D
 Acq On : 09 Oct 2023 23:14
 Operator : CG\JU
 Sample : 04778-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

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-BF091123.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.286	1902	1904	1908	rVV2	31293	31367	1.55%	0.111%
78	13.439	1927	1930	1932	rBV2	46440	43166	2.13%	0.153%
79	13.680	1968	1971	1973	rBV	45280	40870	2.01%	0.145%
80	13.704	1973	1975	1978	rVB	34258	28429	1.40%	0.101%
81	13.733	1978	1980	1982	rBV	34689	37399	1.84%	0.133%
82	13.857	1998	2001	2002	rBV2	26971	30762	1.52%	0.109%
83	13.927	2009	2013	2016	rBV2	622737	772477	38.08%	2.745%
84	13.957	2016	2018	2026	rVB	239111	232721	11.47%	0.827%
85	14.039	2030	2032	2035	rVB	45800	34092	1.68%	0.121%
86	14.092	2038	2041	2047	rVB4	43642	49236	2.43%	0.175%
87	14.321	2078	2080	2084	rVB	34641	35482	1.75%	0.126%
88	14.398	2091	2093	2096	rBV2	31510	26342	1.30%	0.094%
89	14.980	2188	2192	2195	rBV	128392	183139	9.03%	0.651%
90	15.086	2208	2210	2213	rVB2	25623	23416	1.15%	0.083%
91	15.280	2239	2243	2246	rVB	67958	83156	4.10%	0.296%
92	15.345	2250	2254	2259	rVV	97092	127053	6.26%	0.452%
93	15.398	2259	2263	2276	rVB	438916	636655	31.39%	2.263%
94	15.845	2336	2339	2344	rVB5	19990	28682	1.41%	0.102%
95	16.904	2514	2519	2524	rBV	27474	49574	2.44%	0.176%
96	17.345	2590	2594	2596	rBV5	19438	27336	1.35%	0.097%
97	17.480	2613	2617	2627	rVB8	19812	52275	2.58%	0.186%

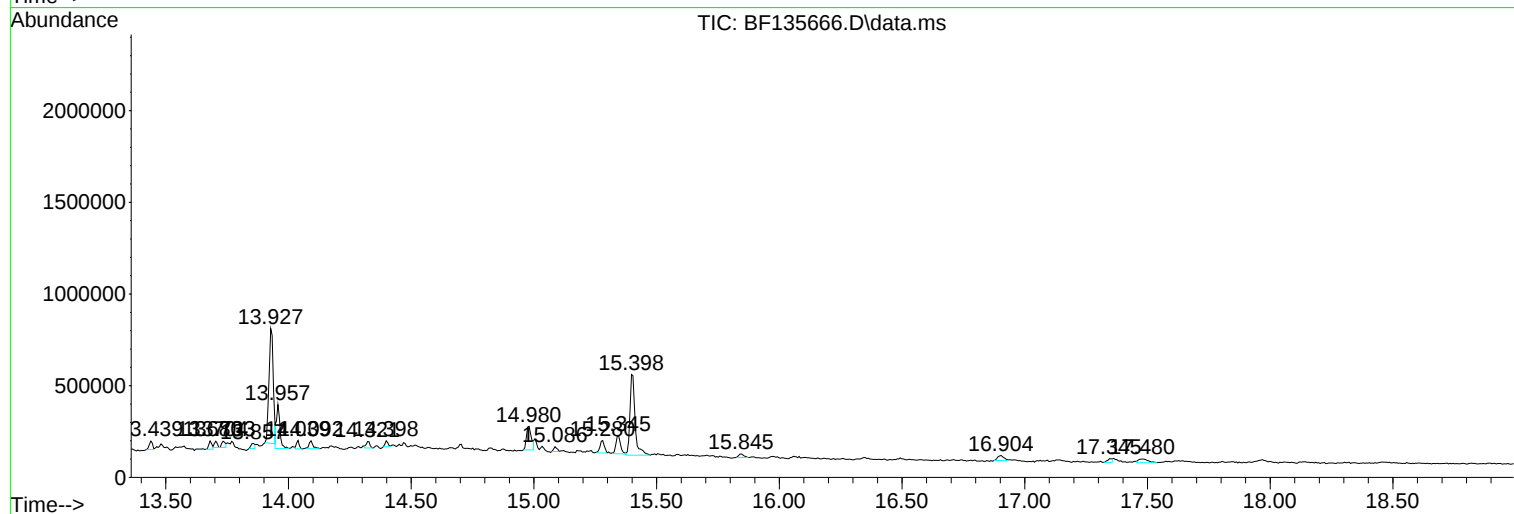
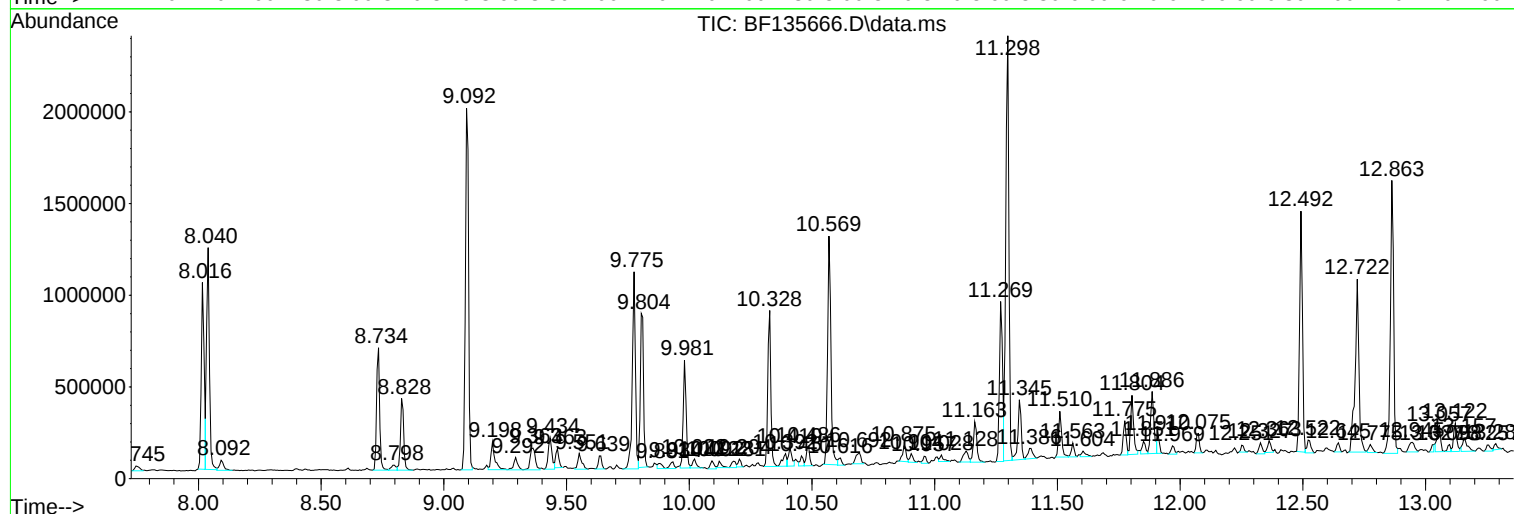
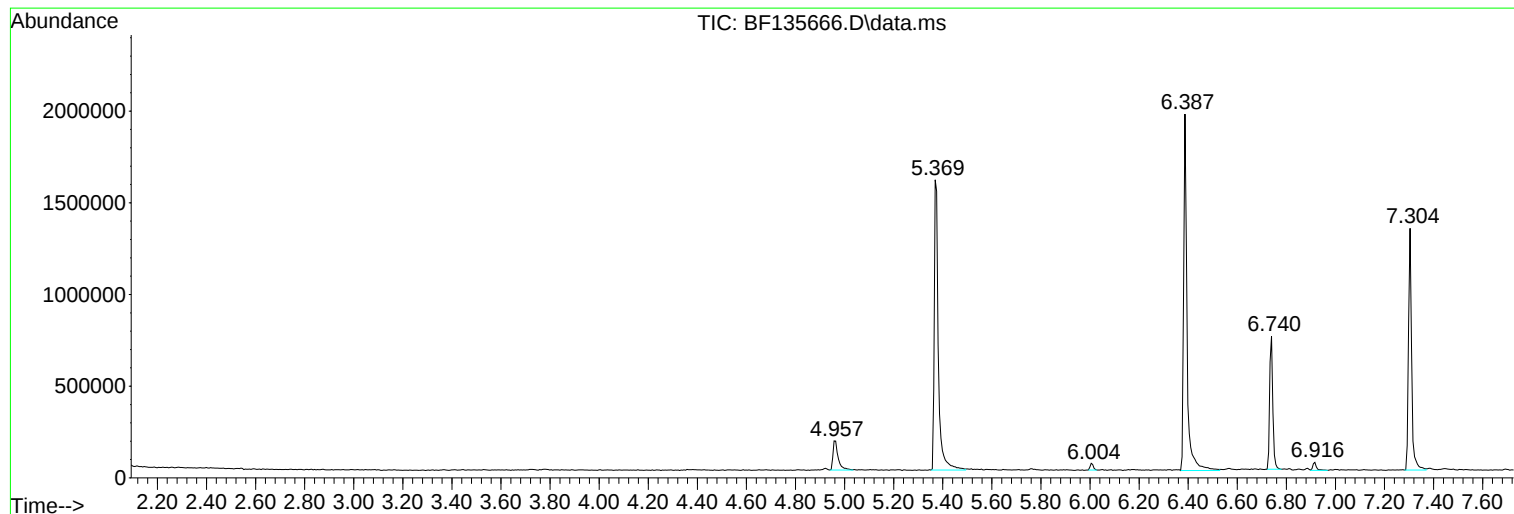
Sum of corrected areas: 28137906

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

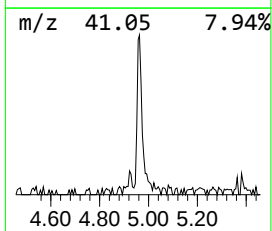
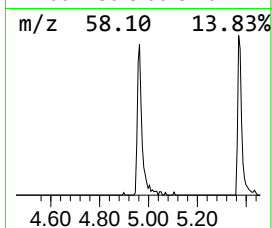
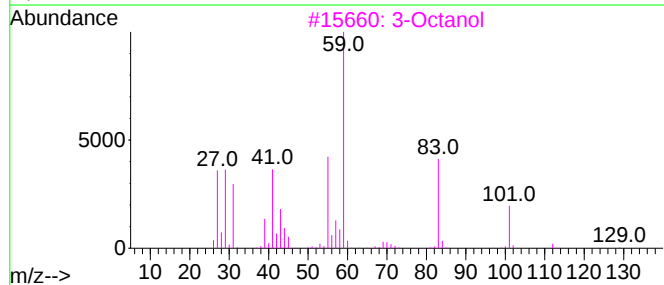
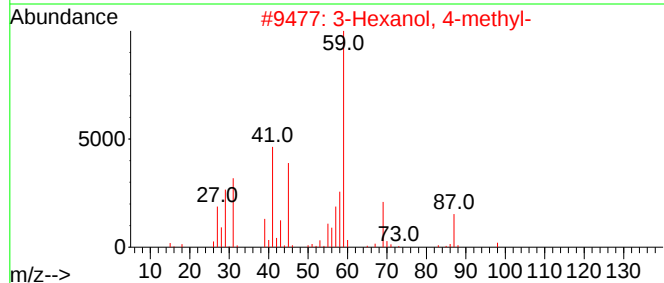
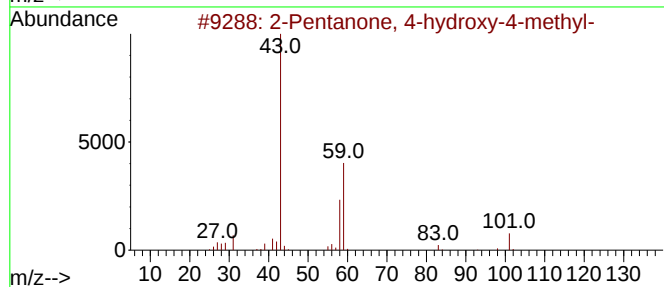
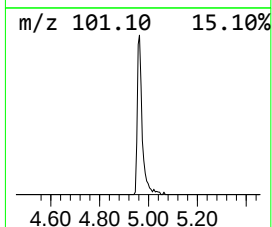
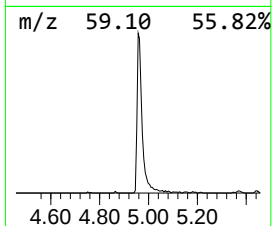
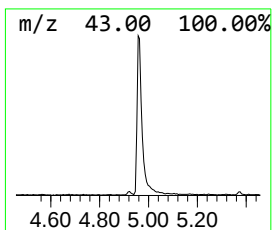
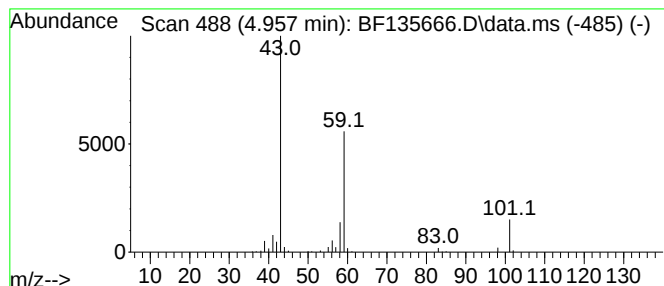
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.957	7.10 ng	229596	1,4-Dichlorobenzene-d4	6.740

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3		3-Octanol	130	C8H18O	000589-98-0	33
4		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

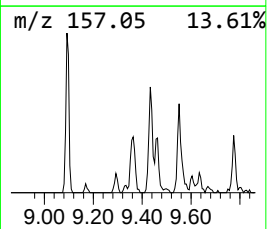
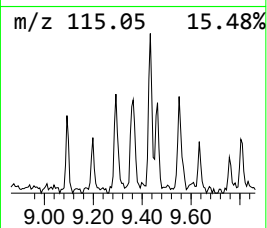
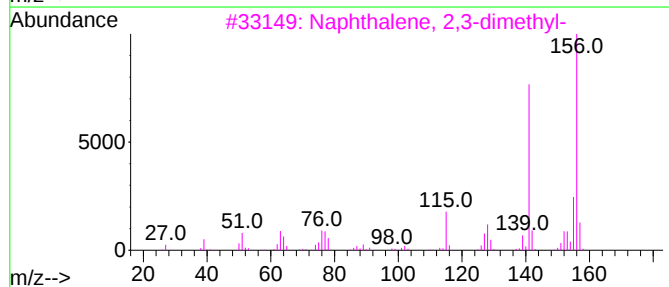
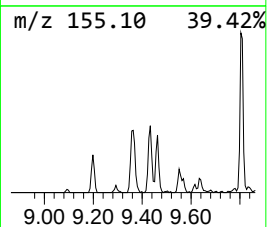
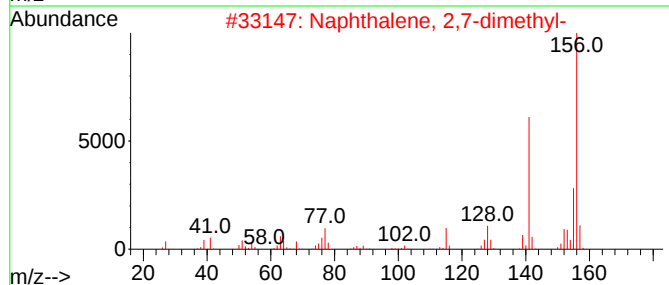
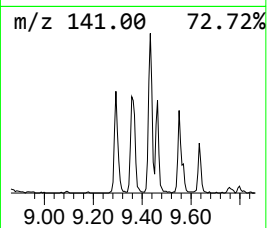
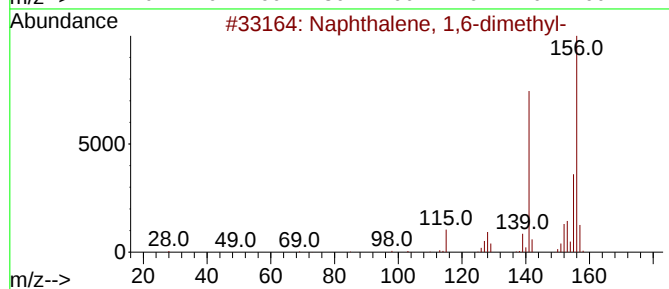
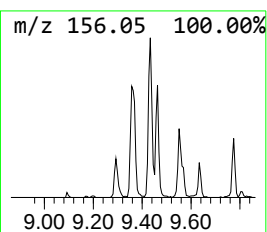
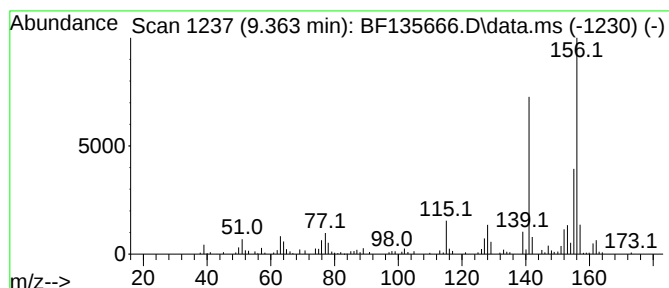
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.363	3.70 ng	175942	Acenaphthene-d10	9.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

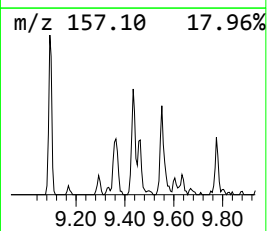
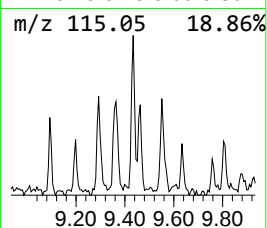
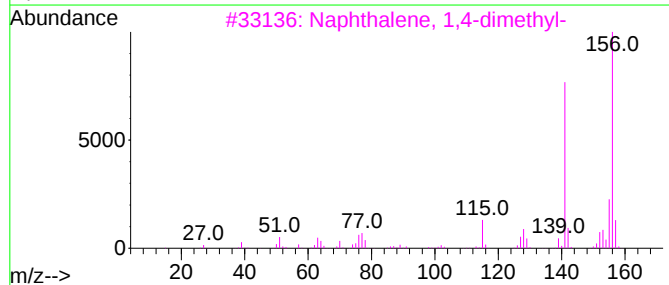
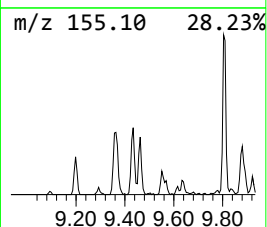
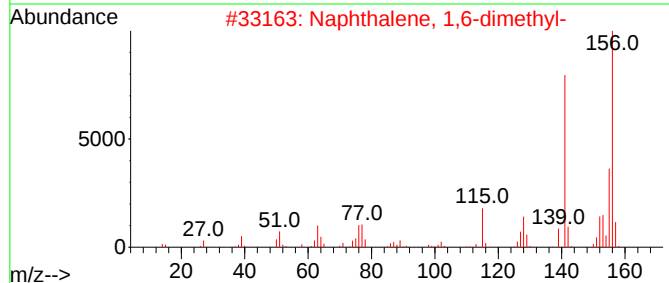
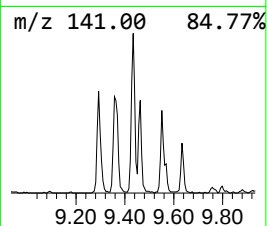
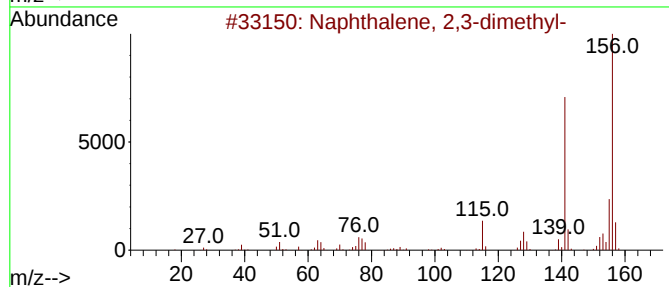
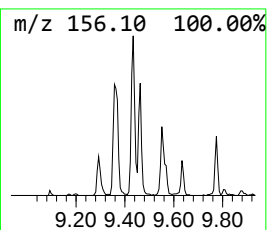
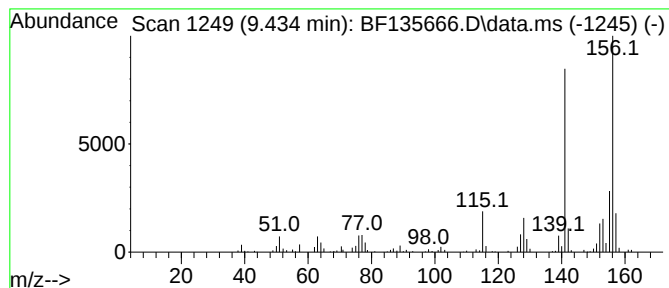
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.434	3.89 ng	184954	Acenaphthene-d10	9.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

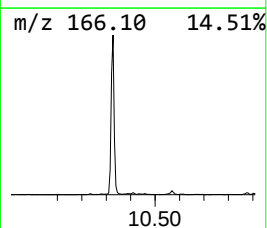
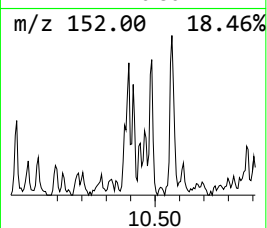
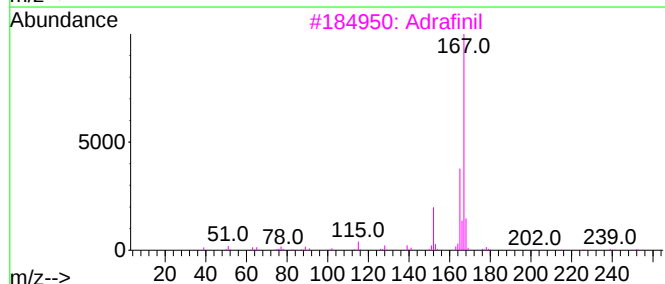
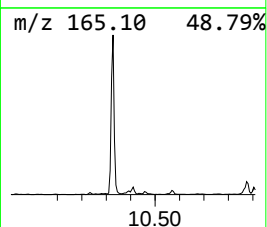
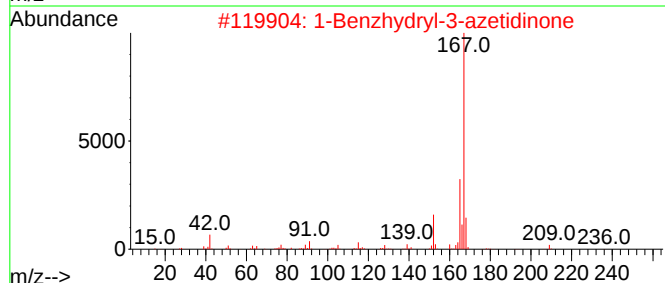
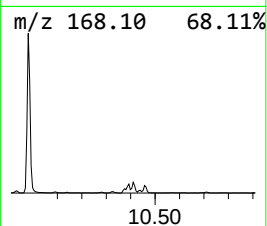
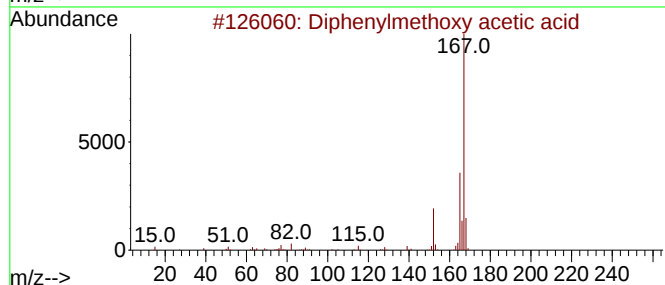
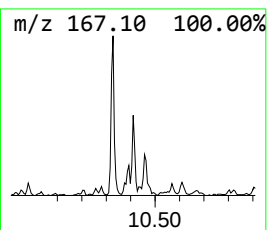
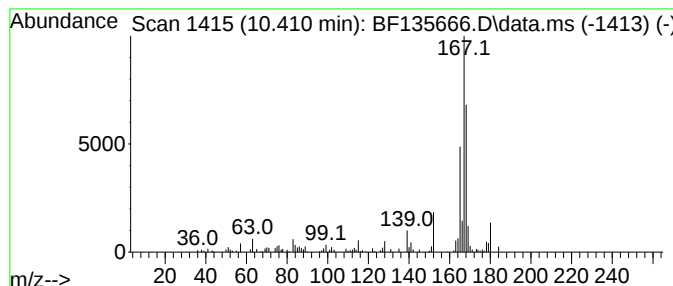
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Diphenylmethoxy acetic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.410	2.06 ng	98125	Acenaphthene-d10	9.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Diphenylmethoxy acetic acid	242	C15H14O3	021409-25-6	53
2			1-Benzhydryl-3-azetidinone	237	C16H15NO	040320-60-3	53
3			Adrafinil	289	C15H15NO3S	063547-13-7	53
4			Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	53
5			Acetamide, 2,2-diphenyl-N-(2-ben...	345	C23H23NO2	329919-60-0	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

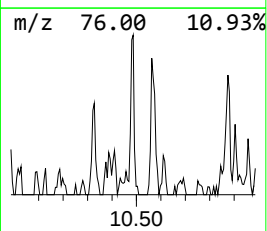
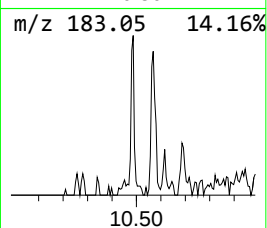
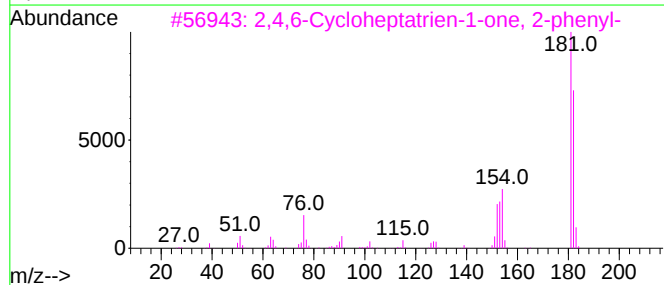
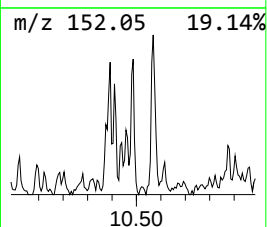
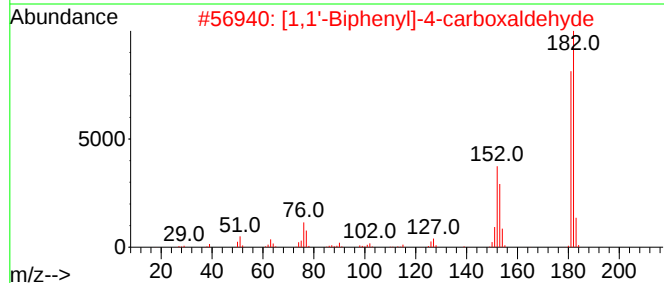
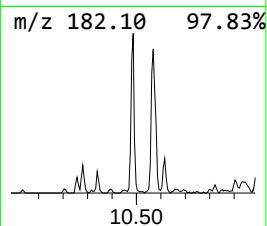
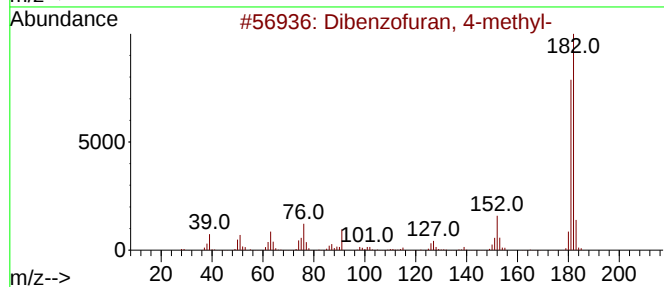
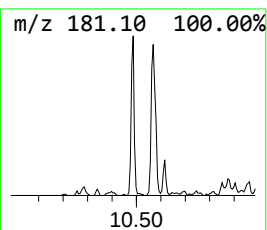
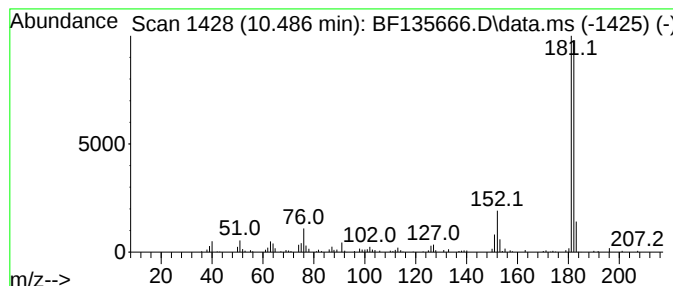
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.486	2.10 ng	100043	Acenaphthene-d10	9.775

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3			2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4			9H-Fluoren-3-ol	182	C13H10O	006344-67-8	83
5			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

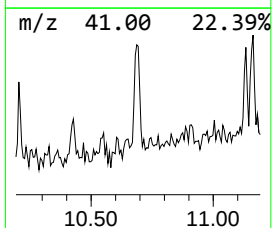
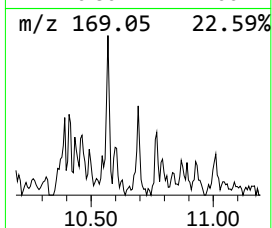
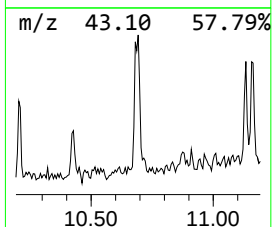
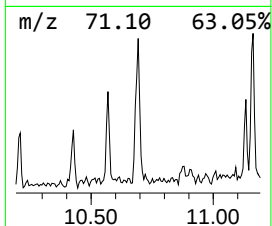
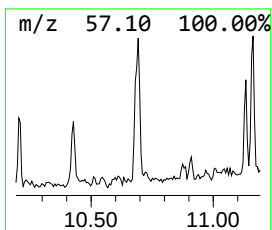
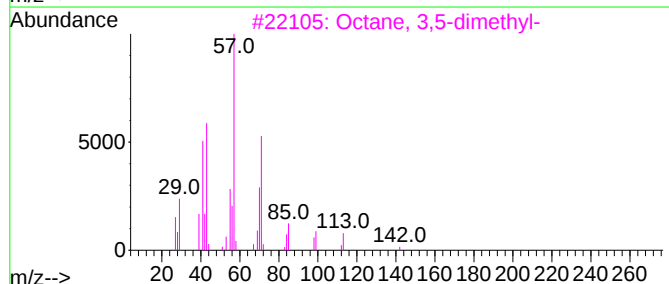
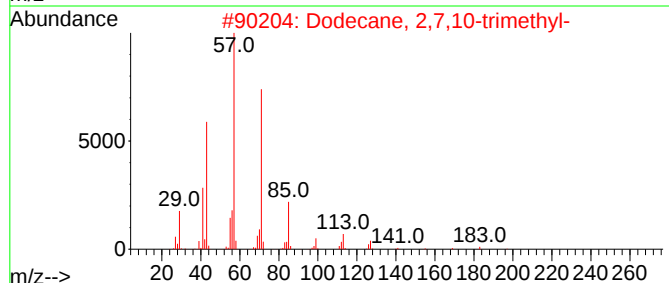
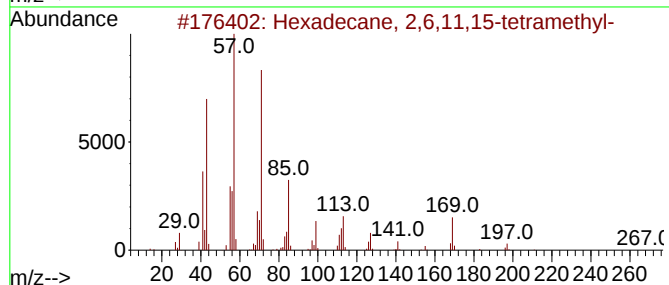
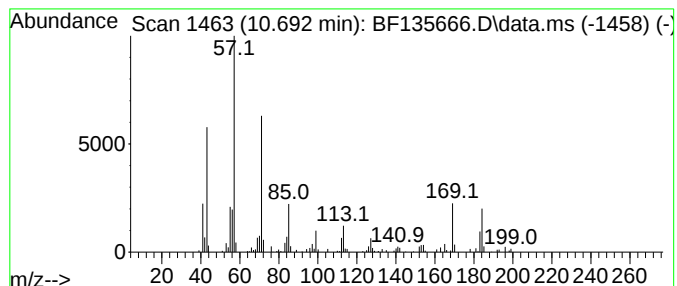
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane, 2,6,11,15-tetra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.692	2.23 ng	87627	Phenanthrene-d10		11.269	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-		282	C20H42	000504-44-9	58
2	Dodecane, 2,7,10-trimethyl-		212	C15H32	074645-98-0	52
3	Octane, 3,5-dimethyl-		142	C10H22	015869-93-9	49
4	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	49
5	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

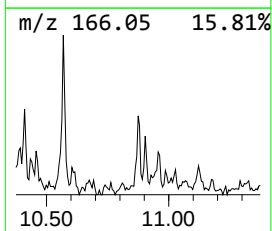
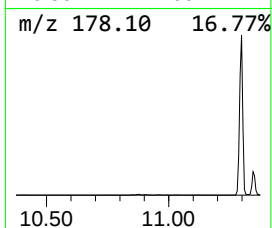
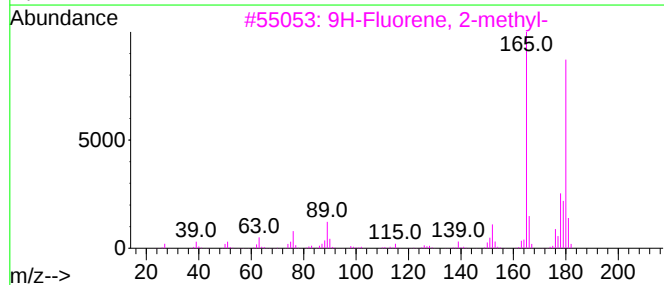
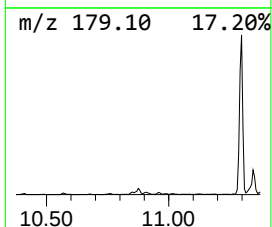
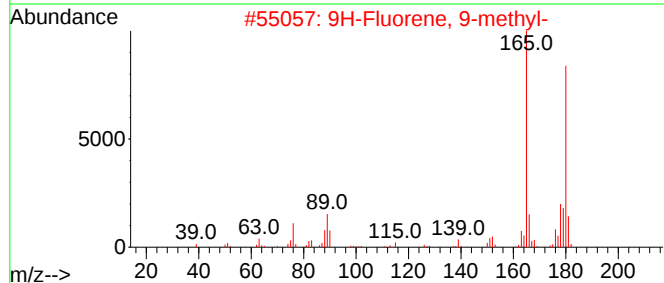
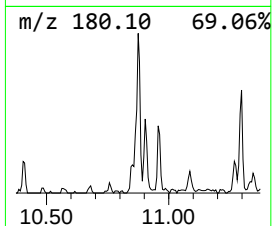
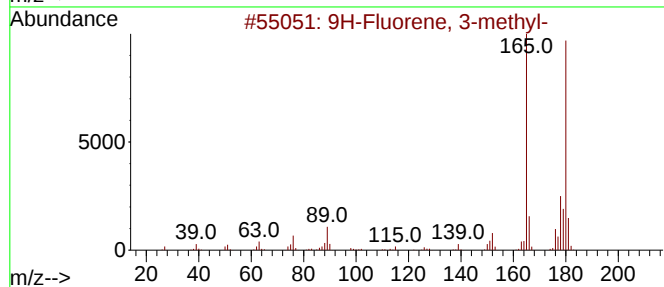
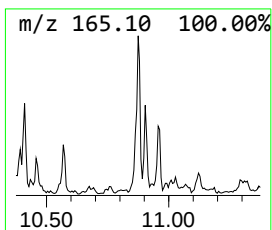
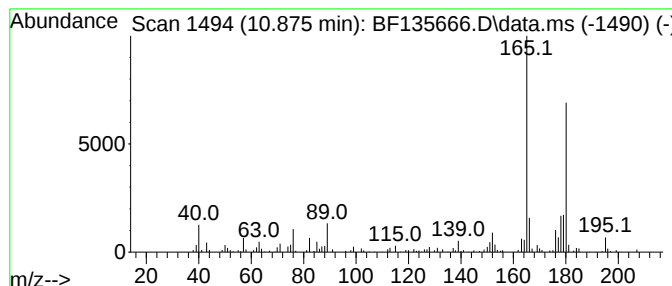
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.875	2.22 ng	87407	Phenanthrene-d10	11.269

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-			180	C14H12	002523-39-9	91
2	9H-Fluorene, 9-methyl-			180	C14H12	002523-37-7	91
3	9H-Fluorene, 2-methyl-			180	C14H12	001430-97-3	91
4	9H-Fluorene, 4-methyl-			180	C14H12	001556-99-6	87
5	9H-Fluorene, 1-methyl-			180	C14H12	001730-37-6	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

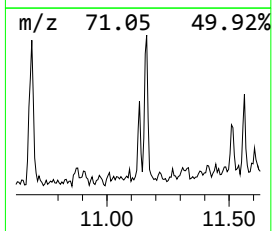
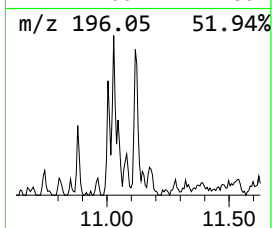
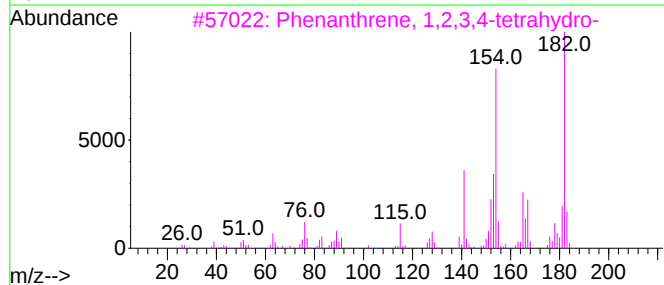
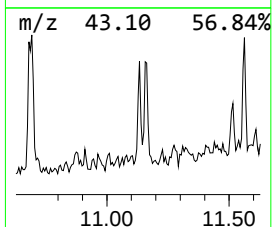
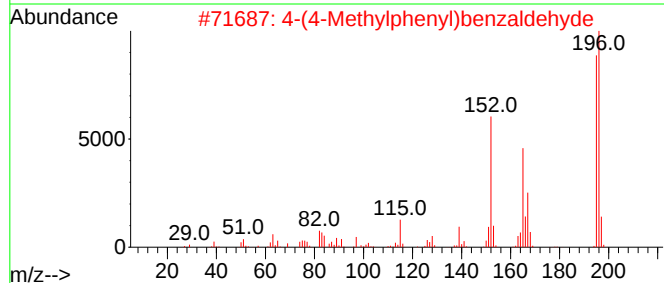
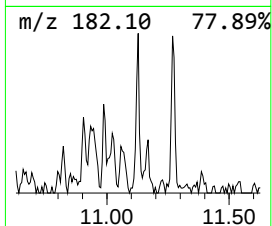
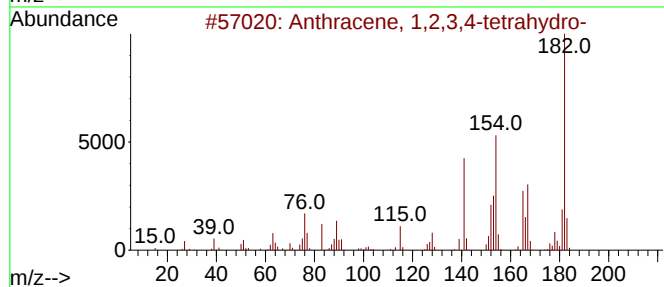
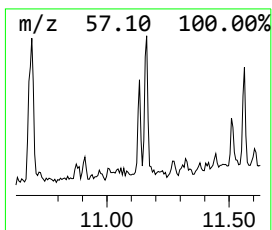
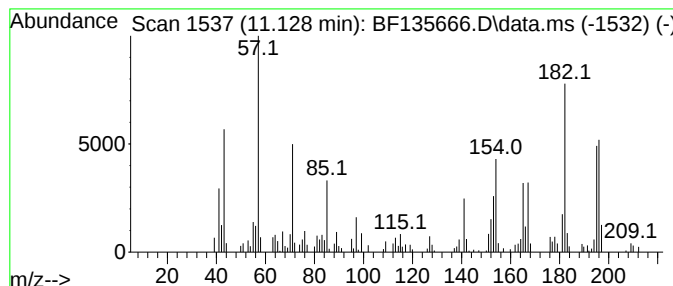
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.128	2.20 ng	86588	Phenanthrene-d10		11.269	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-		182	C14H14	002141-42-6	89
2	4-(4-Methylphenyl)benzaldehyde		196	C14H12O	036393-42-7	50
3	Phenanthrene, 1,2,3,4-tetrahydro-		182	C14H14	001013-08-7	45
4	3,3'-Dimethylbiphenyl		182	C14H14	000612-75-9	38
5	4,4'-Dimethylbiphenyl		182	C14H14	000613-33-2	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

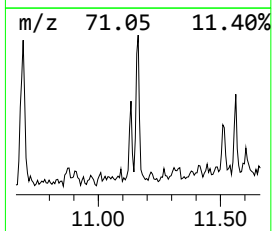
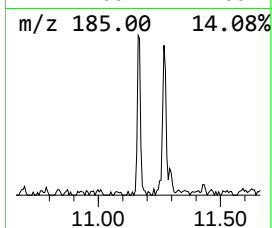
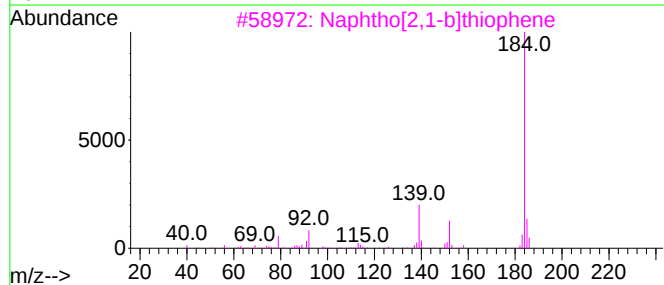
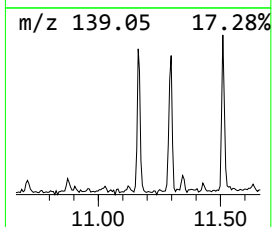
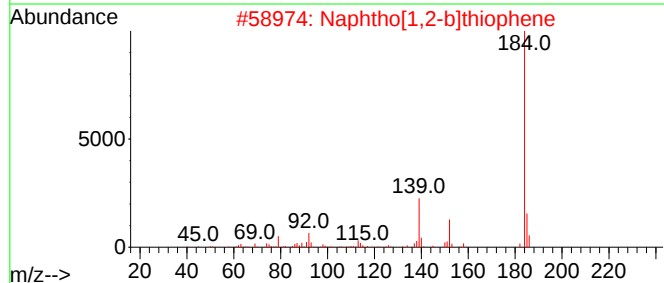
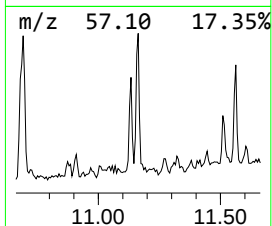
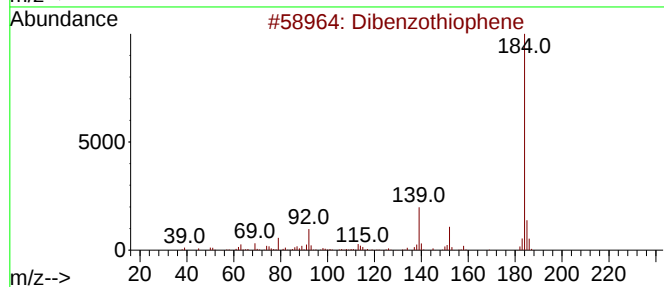
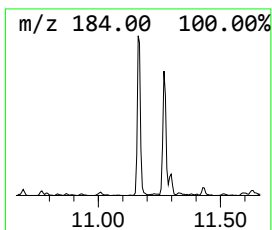
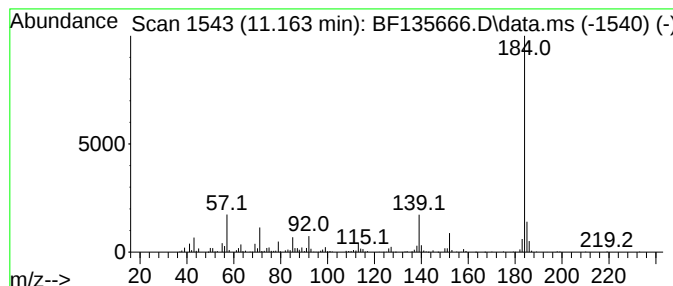
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	5.39 ng	211984	Phenanthrene-d10	11.269

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	95
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

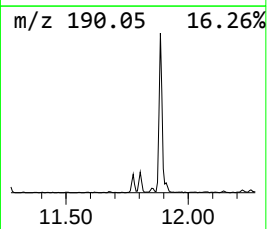
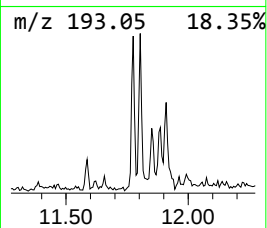
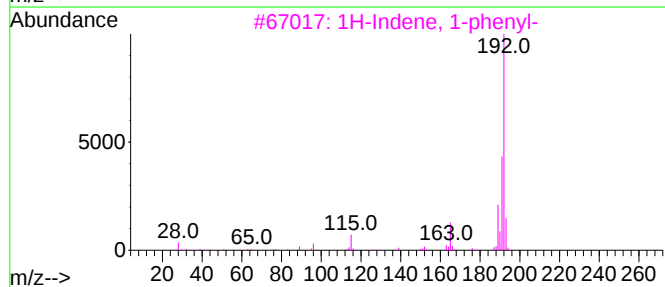
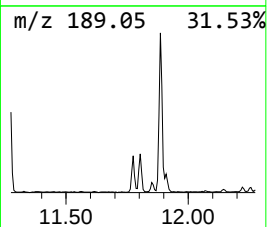
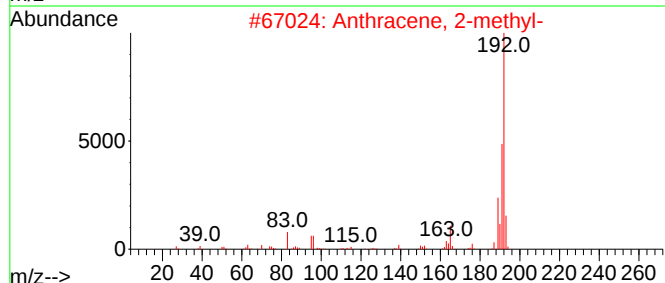
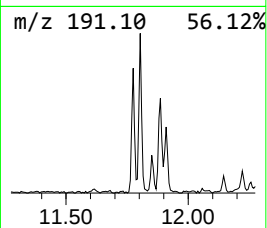
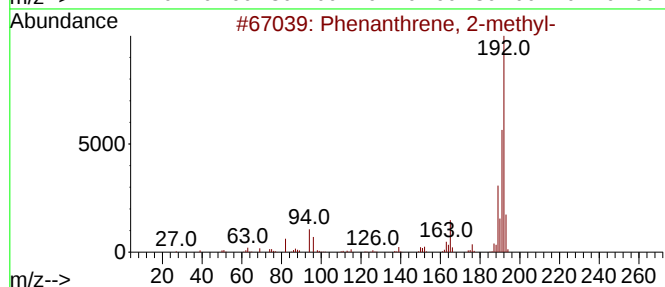
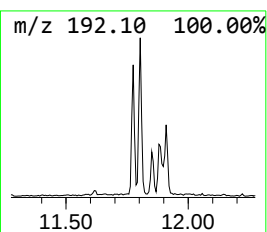
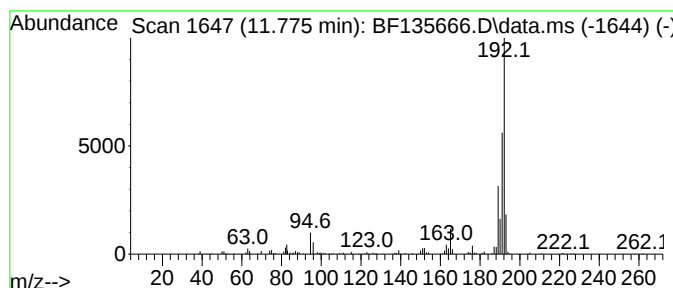
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	3.94 ng	154712	Phenanthrene-d10	11.269

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

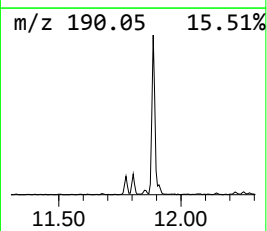
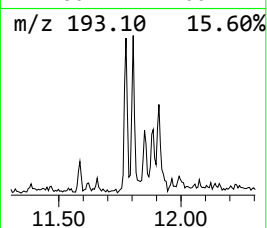
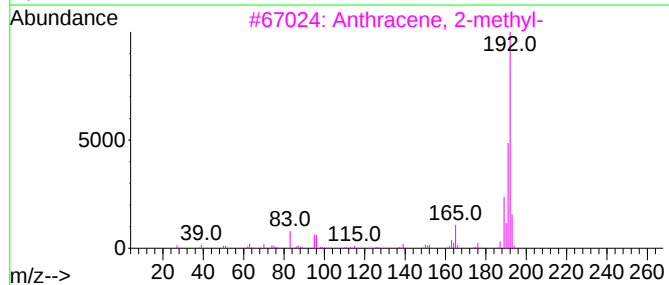
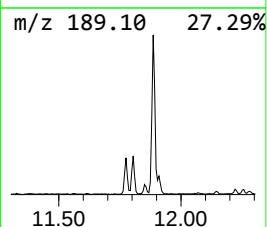
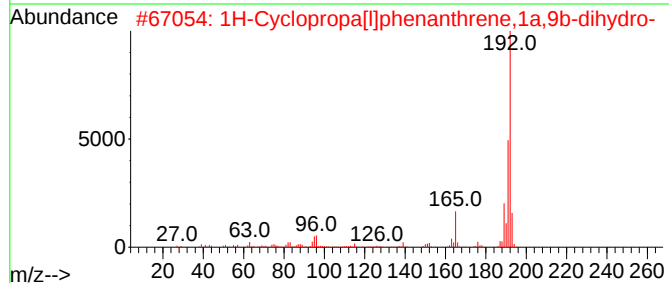
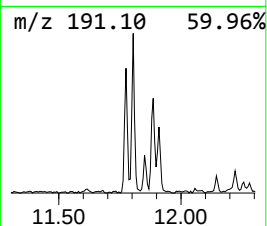
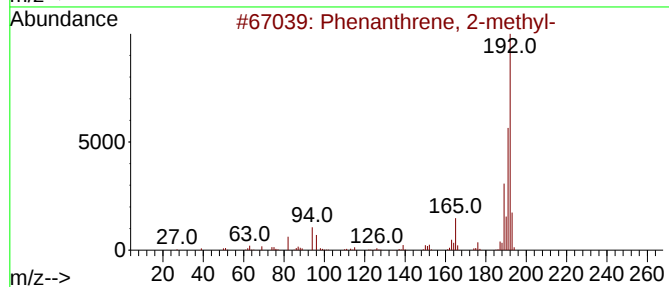
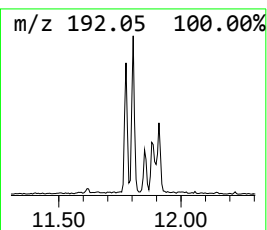
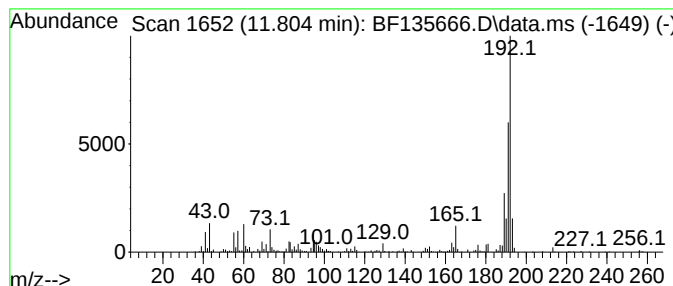
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.804	7.12 ng	279920	Phenanthrene-d10	11.269	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

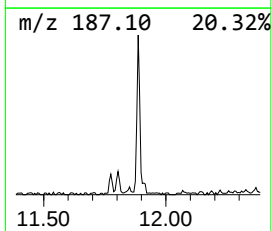
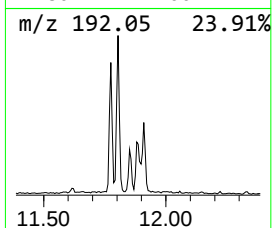
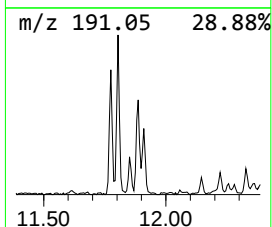
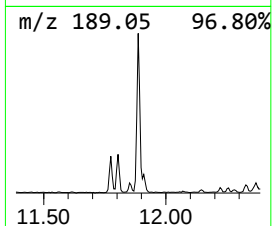
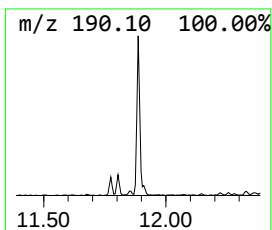
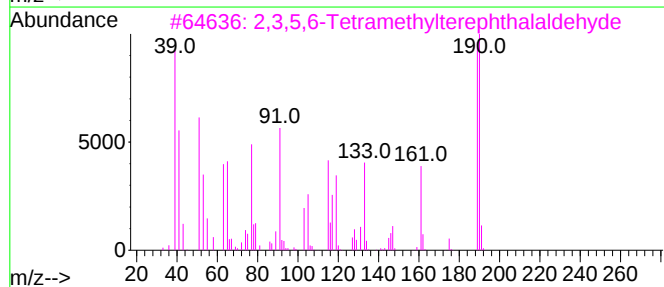
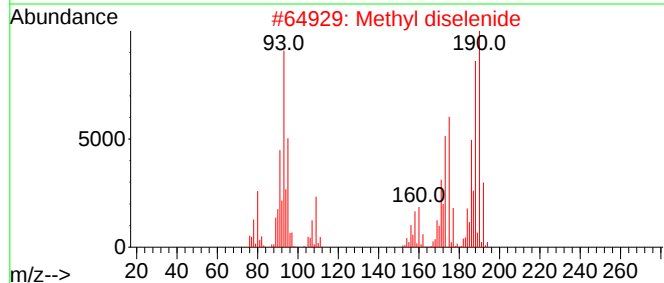
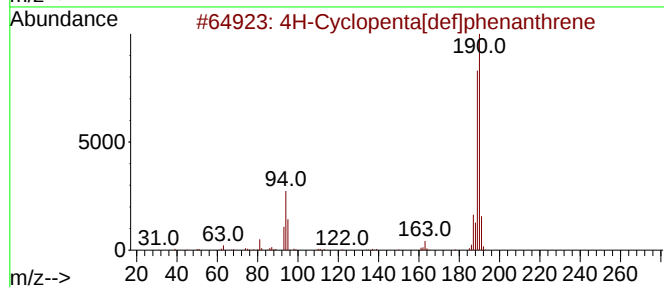
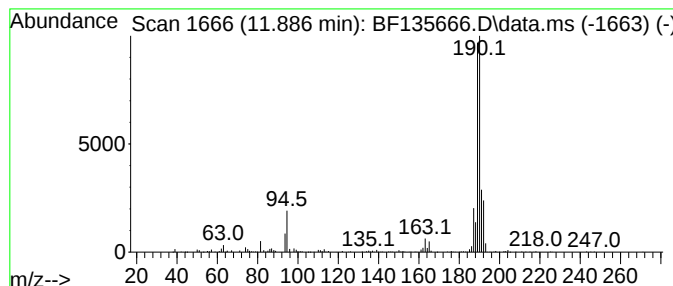
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.886	8.38 ng	329280	Phenanthrene-d10	11.269	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

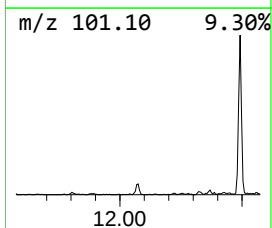
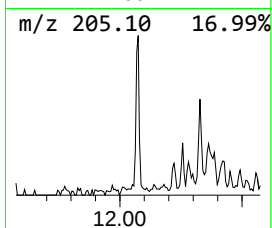
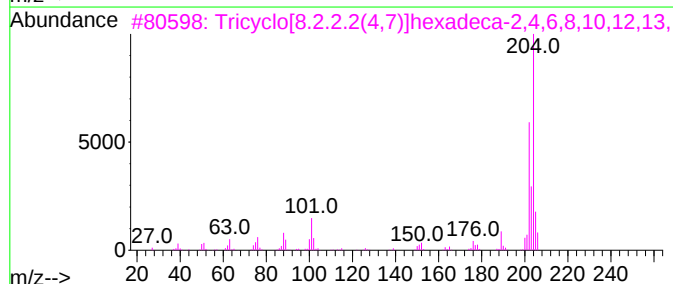
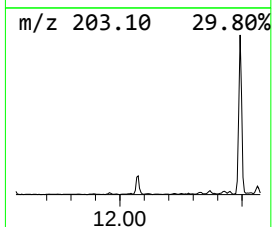
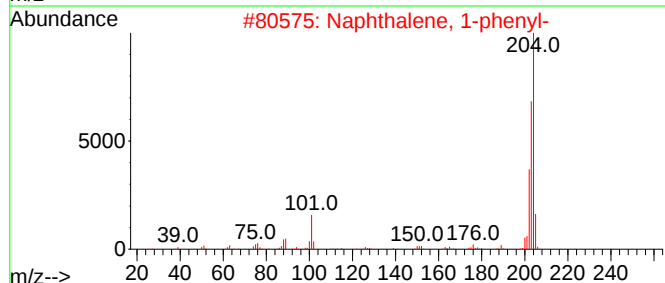
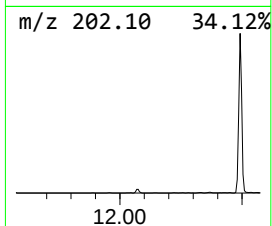
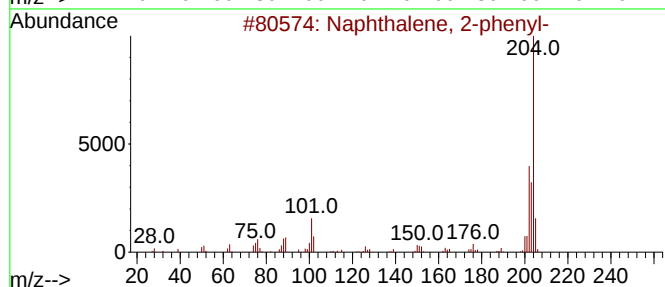
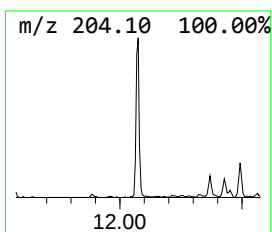
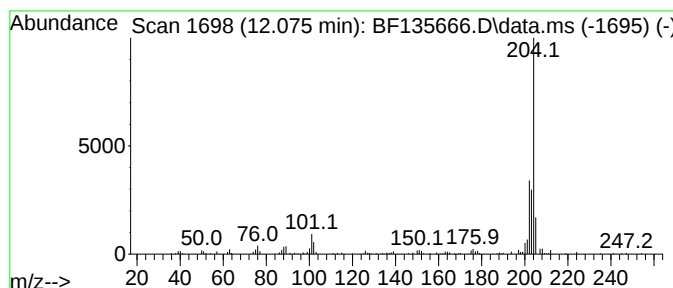
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.075	2.43 ng	95466	Phenanthrene-d10	11.269	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

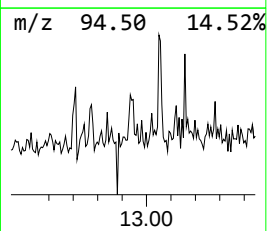
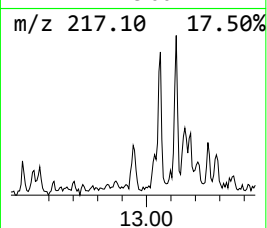
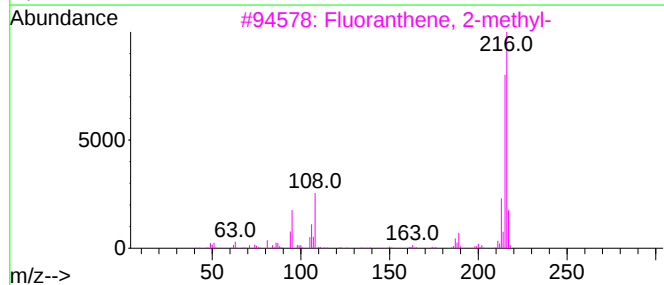
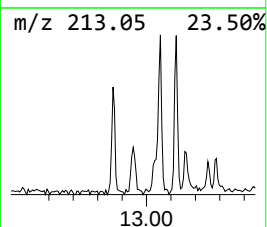
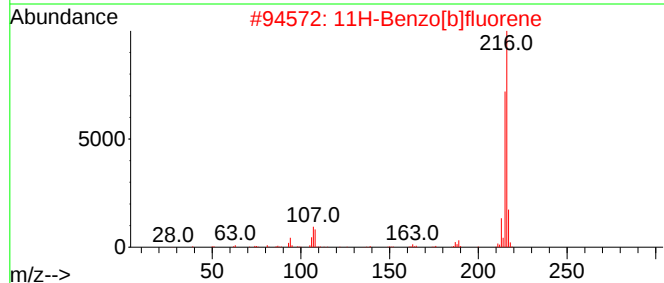
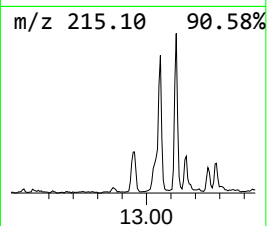
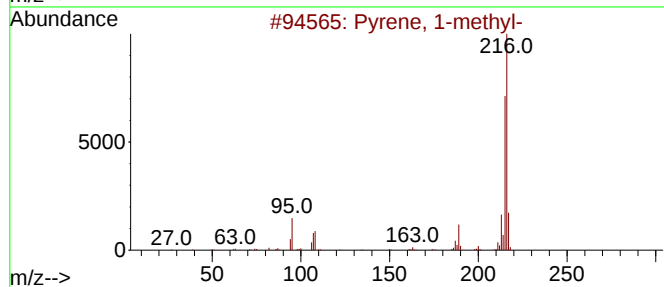
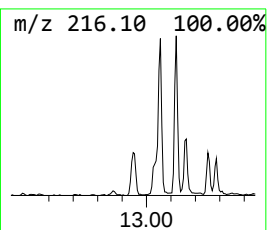
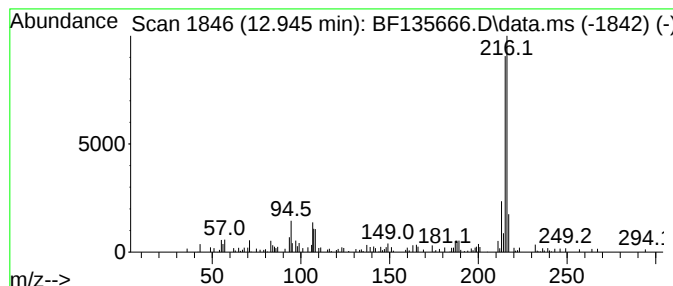
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.945	2.17 ng	83720	Chrysene-d12	13.933

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	90
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

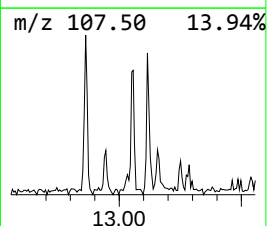
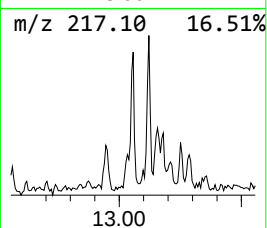
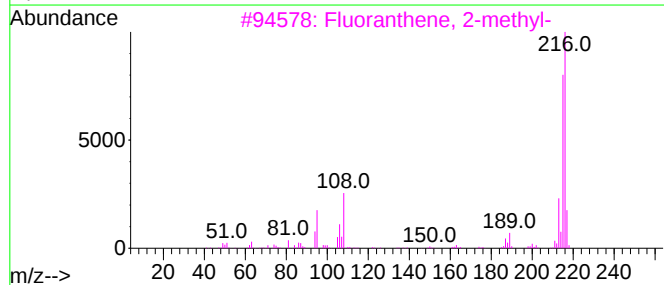
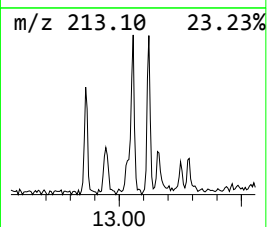
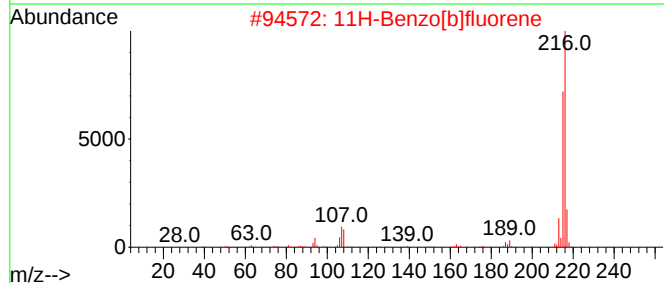
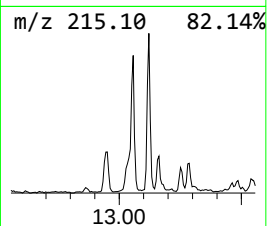
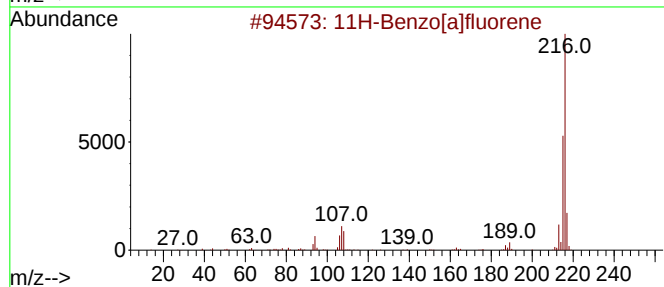
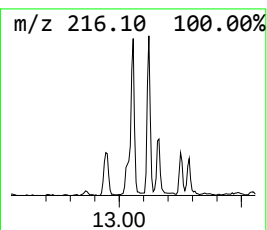
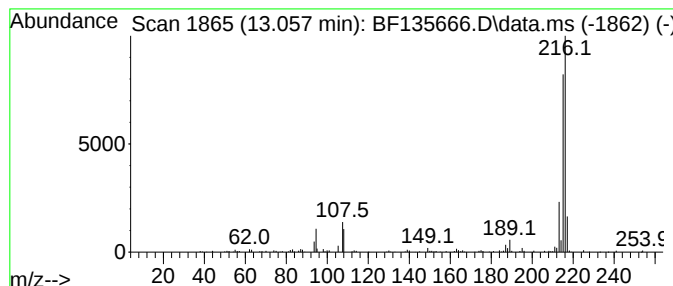
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.057	3.71 ng	143312	Chrysene-d12	13.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5			3-Trifluoromethylcinnamic acid	216	C10H7F3O2	000779-89-5	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

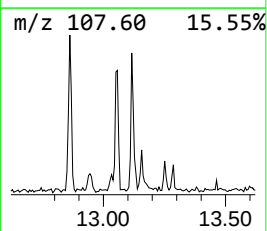
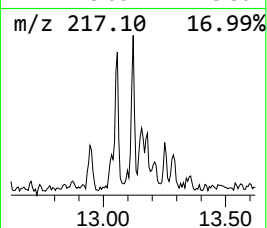
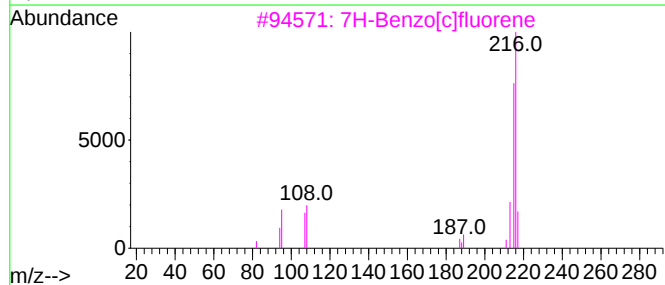
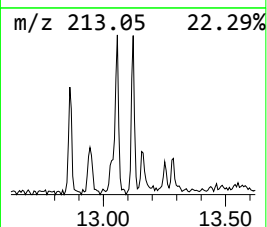
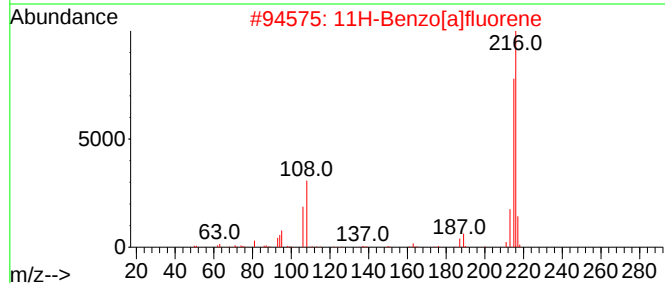
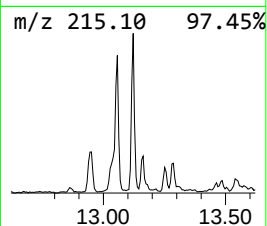
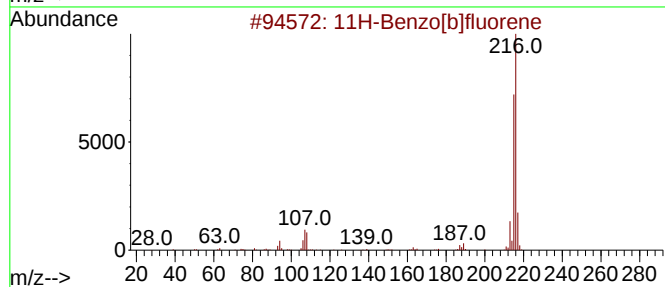
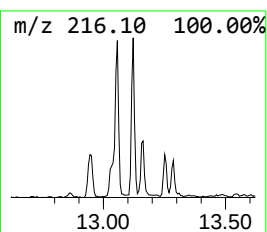
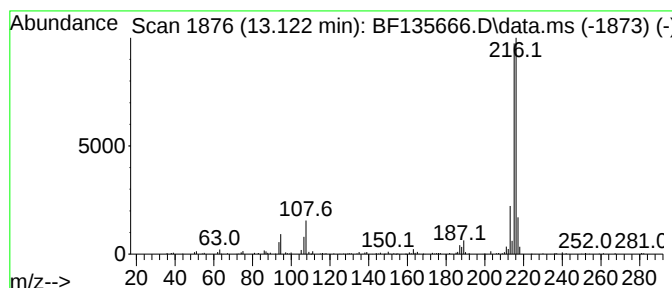
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	3.58 ng	138365	Chrysene-d12	13.933

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

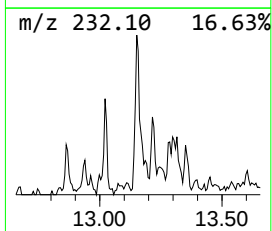
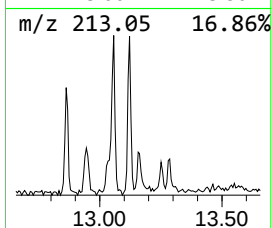
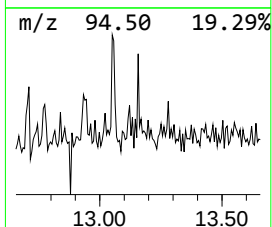
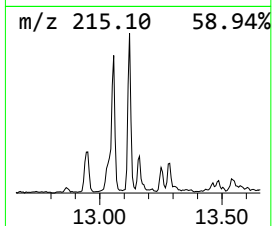
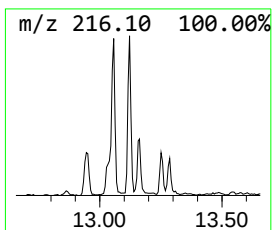
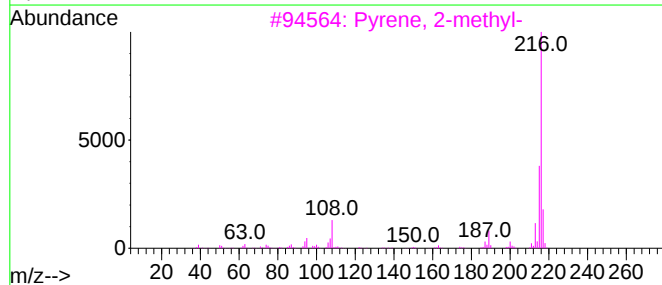
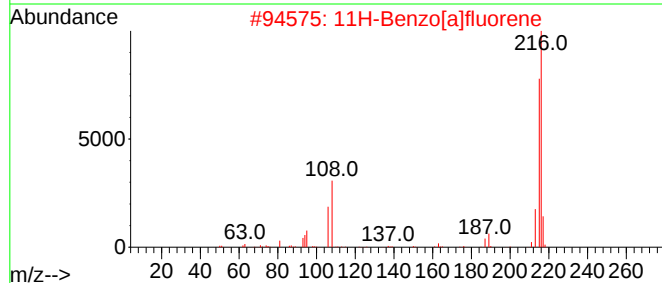
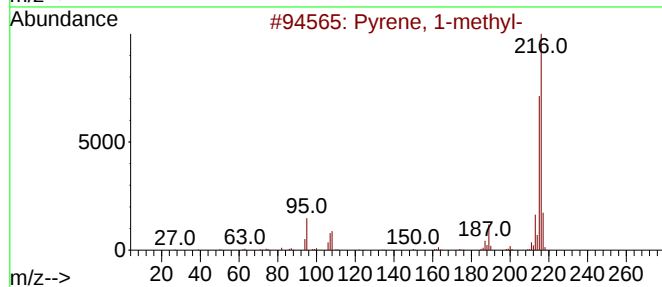
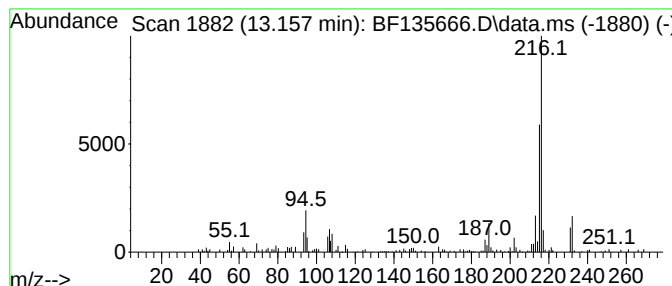
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.157	2.37 ng	91493	Chrysene-d12	13.933	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

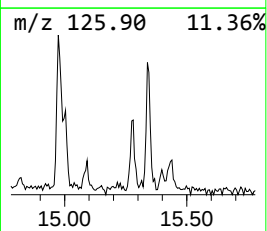
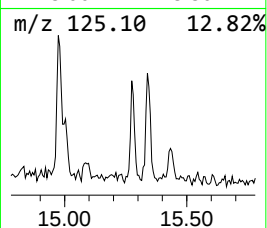
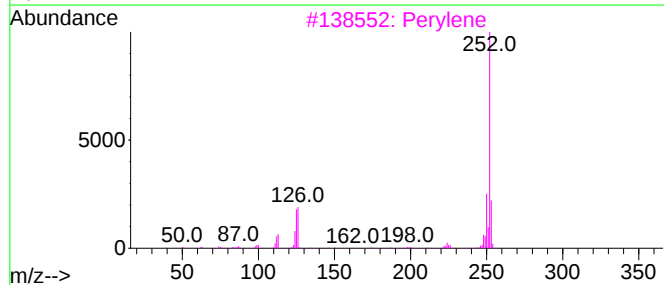
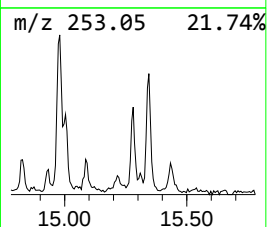
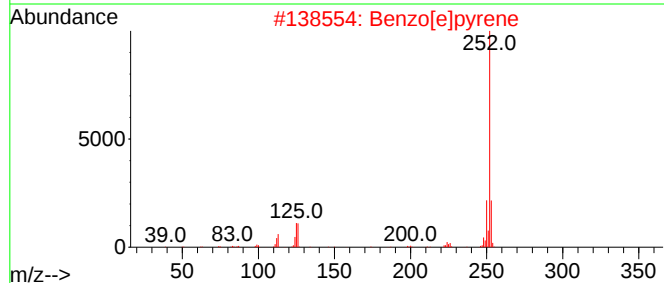
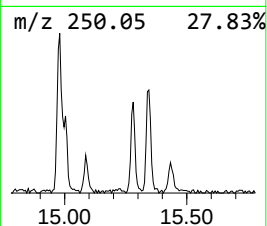
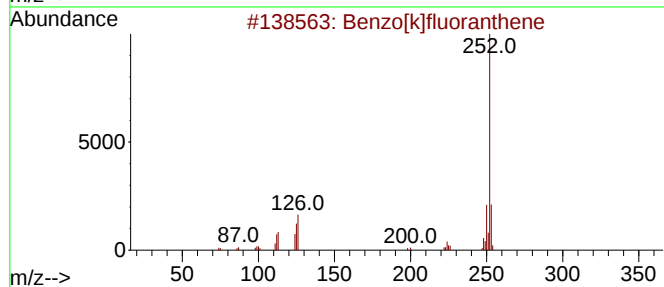
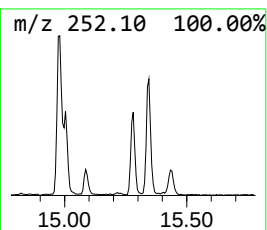
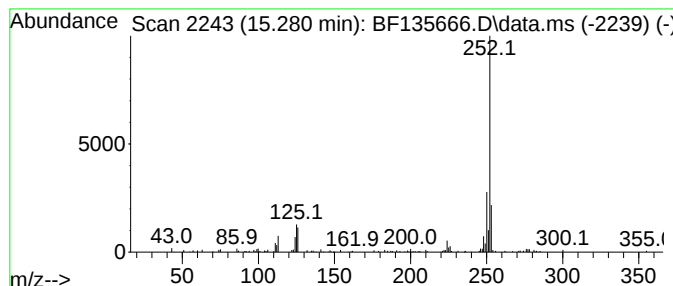
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	2.61 ng	83156	Perylene-d12	15.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2			Benzo[e]pyrene	252	C20H12	000192-97-2	93
3			Perylene	252	C20H12	000198-55-0	90
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135666.D
Acq On : 09 Oct 2023 23:14
Operator : CG\JU
Sample : 04778-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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
2-Pentanone, 4-...	4.957	7.1	ng	229596	1	6.740	647061	20.0
Naphthalene, 1,...	9.363	3.7	ng	175942	3	9.775	951089	20.0
Naphthalene, 2,...	9.434	3.9	ng	184954	3	9.775	951089	20.0
Diphenylmethoxy...	10.410	2.1	ng	98125	3	9.775	951089	20.0
Dibenzofuran, 4...	10.486	2.1	ng	100043	3	9.775	951089	20.0
Hexadecane, 2,6...	10.692	2.2	ng	87627	4	11.269	786329	20.0
9H-Fluorene, 3-...	10.875	2.2	ng	87407	4	11.269	786329	20.0
Anthracene, 1,2...	11.128	2.2	ng	86588	4	11.269	786329	20.0
Dibenzothiophene	11.163	5.4	ng	211984	4	11.269	786329	20.0
Phenanthrene, 2...	11.775	3.9	ng	154712	4	11.269	786329	20.0
1H-Cyclopropa[1...	11.804	7.1	ng	279920	4	11.269	786329	20.0
4H-Cyclopenta[d...	11.886	8.4	ng	329280	4	11.269	786329	20.0
Naphthalene, 2-...	12.075	2.4	ng	95466	4	11.269	786329	20.0
Pyrene, 1-methyl-	12.945	2.2	ng	83720	5	13.933	772477	20.0
11H-Benzo[a]flu...	13.057	3.7	ng	143312	5	13.933	772477	20.0
11H-Benzo[b]flu...	13.121	3.6	ng	138365	5	13.933	772477	20.0
Pyrene, 2-methyl-	13.157	2.4	ng	91493	5	13.933	772477	20.0
Benzo[e]pyrene	15.280	2.6	ng	83156	6	15.398	636655	20.0