

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041620\
 Data File : BF120032.D
 Acq On : 16 Apr 2020 13:27
 Operator : MA/SJ
 Sample : L2229-13 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-32

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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-BF040820.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.322	546	550	563	rVB	606507	558394	31.31%	2.138%
2	5.575	590	593	599	rVB	170508	152425	8.55%	0.584%
3	6.351	722	725	733	rBV	642574	568513	31.88%	2.177%
4	6.563	754	761	765	rBV4	19237	27997	1.57%	0.107%
5	6.722	784	788	791	rBV	1057074	812514	45.56%	3.111%
6	6.875	811	814	818	rBV	595758	477484	26.78%	1.828%
7	7.281	880	883	887	rBV	450835	354506	19.88%	1.357%
8	8.010	1003	1007	1009	rBV	1275919	1040090	58.32%	3.982%
9	8.028	1009	1010	1015	rVB	342977	222853	12.50%	0.853%
10	8.722	1125	1128	1131	rVB	175078	127980	7.18%	0.490%
11	8.822	1142	1145	1148	rVB	121146	87534	4.91%	0.335%
12	9.086	1186	1190	1193	rBV	912814	678605	38.05%	2.598%
13	9.186	1201	1207	1210	rBV2	59223	74773	4.19%	0.286%
14	9.351	1228	1235	1238	rBV	46246	67289	3.77%	0.258%
15	9.422	1244	1247	1250	rBV	80298	75960	4.26%	0.291%
16	9.451	1250	1252	1254	rVV	54197	40365	2.26%	0.155%
17	9.480	1254	1257	1262	rVV	100324	104730	5.87%	0.401%
18	9.539	1265	1267	1273	rVB	34736	37754	2.12%	0.145%
19	9.622	1279	1281	1285	rVB	59046	50686	2.84%	0.194%
20	9.763	1299	1305	1308	rBV	1205043	1045024	58.60%	4.001%
21	9.798	1308	1311	1314	rVB	106804	102419	5.74%	0.392%
22	9.969	1336	1340	1343	rBV	261775	207225	11.62%	0.793%
23	10.175	1371	1375	1376	rBV	30405	27956	1.57%	0.107%
24	10.204	1378	1380	1384	rVB2	35524	26649	1.49%	0.102%
25	10.310	1395	1398	1404	rVB	167297	149133	8.36%	0.571%
26	10.469	1422	1425	1429	rVB	75816	64240	3.60%	0.246%
27	10.551	1435	1439	1443	rVV	400385	358969	20.13%	1.374%
28	10.598	1443	1447	1451	rVB4	21531	26477	1.48%	0.101%
29	10.680	1458	1461	1468	rBV2	64708	84803	4.76%	0.325%
30	10.863	1486	1492	1494	rBV3	39264	69440	3.89%	0.266%
31	10.886	1494	1496	1500	rVV2	30629	36998	2.07%	0.142%
32	11.057	1521	1525	1529	rVB	279989	247918	13.90%	0.949%
33	11.104	1529	1533	1535	rVV3	36837	52533	2.95%	0.201%
34	11.145	1538	1540	1548	rVB	147728	139553	7.83%	0.534%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.251	1554	1558	1560	rBV	1047019	927866	52.03%	3.553%
36	11.274	1560	1562	1565	rVV	2109974	1701765	95.43%	6.516%
37	11.327	1565	1571	1574	rVB	231812	240524	13.49%	0.921%
38	11.357	1574	1576	1580	rBV3	31432	38066	2.13%	0.146%
39	11.480	1592	1597	1600	rBV2	84088	85063	4.77%	0.326%
40	11.551	1606	1609	1611	rVB2	65789	50290	2.82%	0.193%
41	11.580	1611	1614	1622	rVB3	58459	66127	3.71%	0.253%
42	11.663	1626	1628	1633	rVB2	25153	27586	1.55%	0.106%
43	11.704	1633	1635	1638	rBV2	28673	28524	1.60%	0.109%
44	11.751	1640	1643	1646	rBV	201451	191048	10.71%	0.732%
45	11.780	1646	1648	1653	rVB	367591	325925	18.28%	1.248%
46	11.827	1653	1656	1659	rBV	70318	57387	3.22%	0.220%
47	11.863	1659	1662	1664	rBV	246428	245235	13.75%	0.939%
48	11.886	1664	1666	1670	rVB	159330	132910	7.45%	0.509%
49	11.963	1676	1679	1680	rBV	32669	26912	1.51%	0.103%
50	12.051	1691	1694	1696	rBV	173089	153382	8.60%	0.587%
51	12.074	1696	1698	1702	rVB	175545	148511	8.33%	0.569%
52	12.198	1713	1719	1722	rBV3	59061	71522	4.01%	0.274%
53	12.227	1722	1724	1726	rVV	41328	33338	1.87%	0.128%
54	12.251	1726	1728	1731	rVB2	40693	31546	1.77%	0.121%
55	12.304	1734	1737	1740	rVV2	151090	169312	9.49%	0.648%
56	12.339	1740	1743	1748	rVV3	68299	126785	7.11%	0.485%
57	12.386	1748	1751	1756	rVB2	140942	135629	7.61%	0.519%
58	12.469	1761	1765	1768	rVV	2065282	1783320	100.00%	6.828%
59	12.510	1768	1772	1774	rVV3	66789	84734	4.75%	0.324%
60	12.574	1778	1783	1785	rVV4	71644	113034	6.34%	0.433%
61	12.616	1788	1790	1794	rVV	71552	83895	4.70%	0.321%
62	12.692	1797	1803	1806	rVV2	1487322	1620712	90.88%	6.206%
63	12.745	1810	1812	1816	rVV2	72856	81340	4.56%	0.311%
64	12.810	1820	1823	1825	rVV	112896	102741	5.76%	0.393%
65	12.839	1825	1828	1834	rVB	574803	556526	31.21%	2.131%
66	12.910	1836	1840	1844	rVV3	95001	144608	8.11%	0.554%
67	12.974	1848	1851	1852	rVV3	23459	27304	1.53%	0.105%
68	12.998	1852	1855	1856	rVV3	93835	102716	5.76%	0.393%
69	13.021	1856	1859	1862	rVB	163290	158912	8.91%	0.608%
70	13.086	1867	1870	1873	rVB	109003	90760	5.09%	0.348%
71	13.121	1873	1876	1880	rBV	168919	176141	9.88%	0.674%

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 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

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72	13.216	1889	1892	1895	rBV	99433	89414	5.01%	0.342%
73	13.245	1895	1897	1902	rBV2	70541	71270	4.00%	0.273%
74	13.527	1942	1945	1950	rBV	180671	180813	10.14%	0.692%
75	13.639	1960	1964	1967	rBV2	145513	189038	10.60%	0.724%
76	13.668	1967	1969	1971	rVV	149888	122044	6.84%	0.467%
77	13.692	1971	1973	1978	rVV2	95596	126129	7.07%	0.483%
78	13.733	1978	1980	1984	rVB	108203	111418	6.25%	0.427%
79	13.886	2002	2006	2009	rBV2	986063	1404230	78.74%	5.377%
80	13.915	2009	2011	2018	rVB	815559	781104	43.80%	2.991%
81	13.998	2023	2025	2027	rVB	64561	45922	2.58%	0.176%
82	14.104	2041	2043	2044	rBV	39567	29052	1.63%	0.111%
83	14.186	2054	2057	2063	rBV8	92101	107586	6.03%	0.412%
84	14.233	2063	2065	2068	rBV4	85656	91983	5.16%	0.352%
85	14.280	2071	2073	2076	rVB	131149	88945	4.99%	0.341%
86	14.315	2076	2079	2082	rVB2	122171	116194	6.52%	0.445%
87	14.374	2086	2089	2091	rVB3	111382	109480	6.14%	0.419%
88	14.404	2091	2094	2095	rBV	70950	65621	3.68%	0.251%
89	14.674	2138	2140	2147	rVB3	114264	151998	8.52%	0.582%
90	14.874	2171	2174	2176	rBV	147394	133675	7.50%	0.512%
91	14.910	2176	2180	2188	rVB	623769	1081615	60.65%	4.141%
92	14.992	2191	2194	2196	rBV2	92776	108408	6.08%	0.415%
93	15.198	2225	2229	2235	rVB	379938	459792	25.78%	1.761%
94	15.257	2235	2239	2245	rBV	360169	437390	24.53%	1.675%
95	15.315	2245	2249	2252	rBV	517394	617470	34.62%	2.364%
96	15.768	2323	2326	2330	rBV2	109320	157382	8.83%	0.603%
97	15.986	2360	2363	2369	rVB2	98508	146673	8.22%	0.562%
98	16.704	2480	2485	2495	rVB2	167582	353335	19.81%	1.353%
99	16.939	2520	2525	2531	rBV7	62193	163156	9.15%	0.625%
100	17.121	2551	2556	2564	rVB	123380	233877	13.11%	0.896%

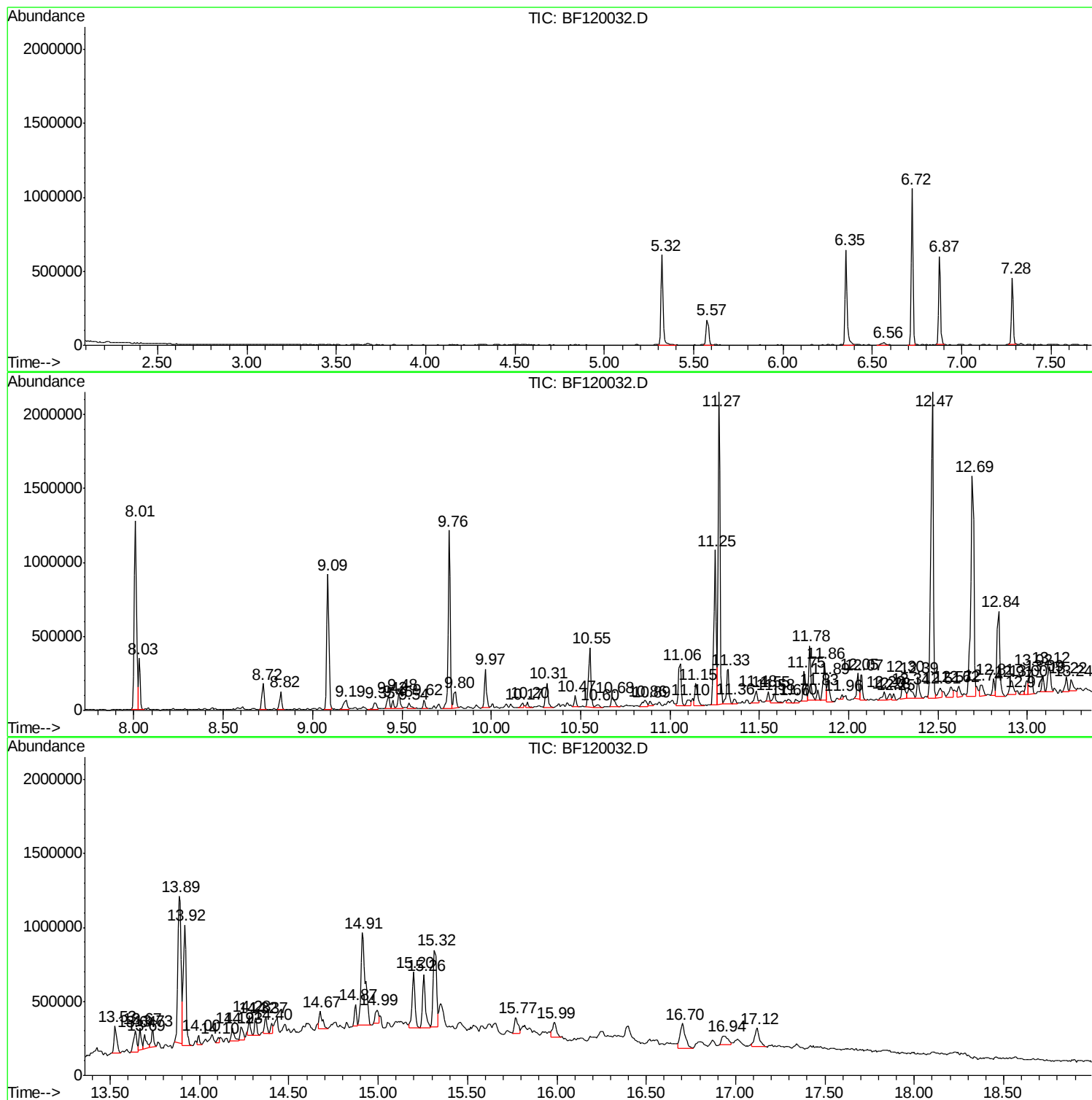
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ClientSampled :
TP-32

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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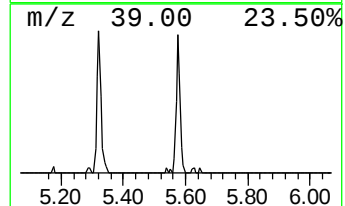
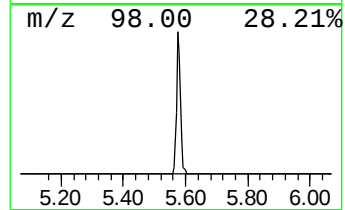
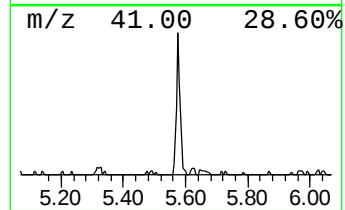
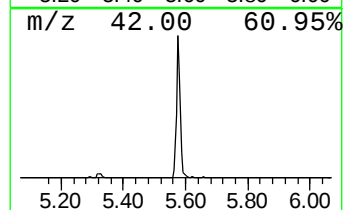
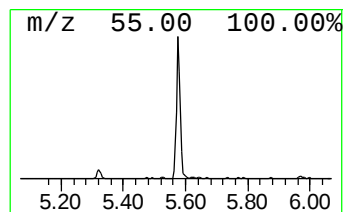
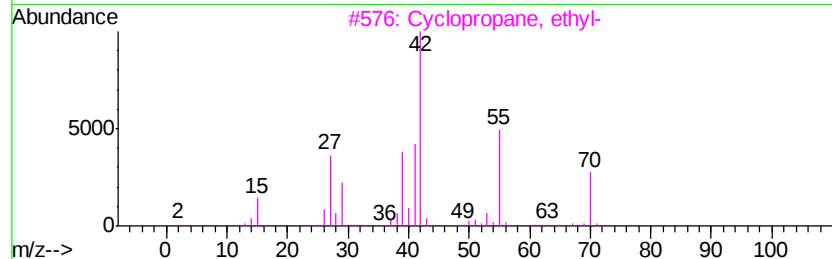
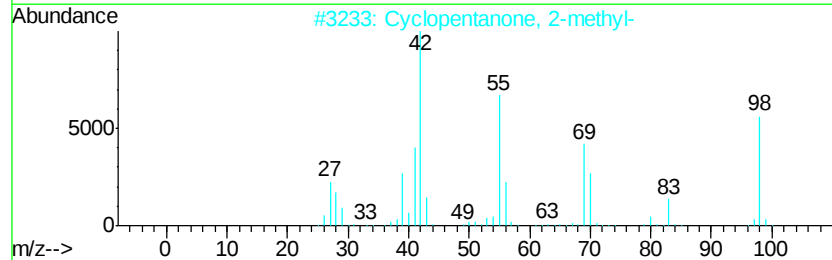
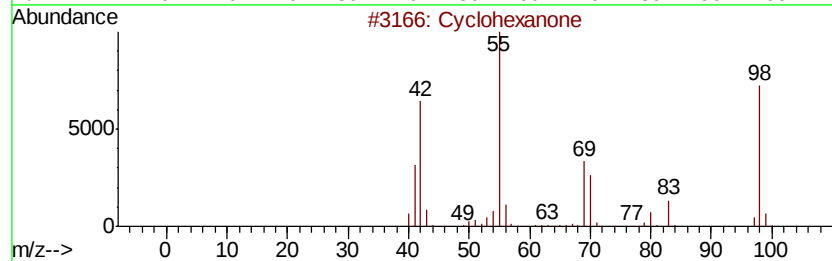
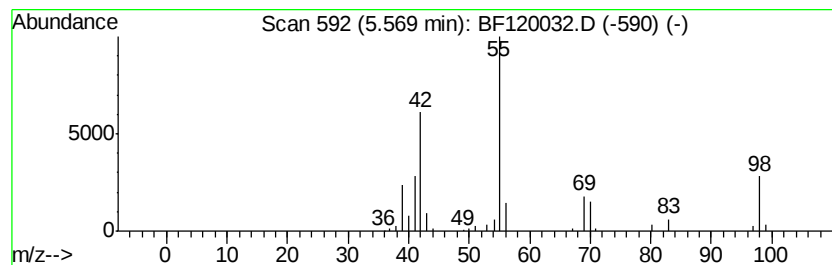
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Cyclohexanone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.57	3.75 ng	152425	1,4-Dichlorobenzene-d4	6.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone	98	C6H10O	000108-94-1	90
2			Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	83
3			Cyclopropane, ethyl-	70	C5H10	001191-96-4	38
4			2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	37
5			6-Oxa-bicyclo[3.1.0]hexan-3-one	98	C5H6O2	074017-10-0	35



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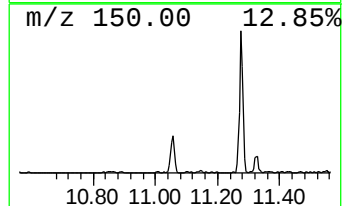
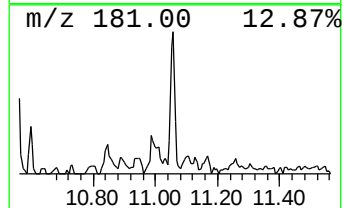
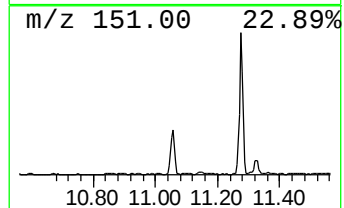
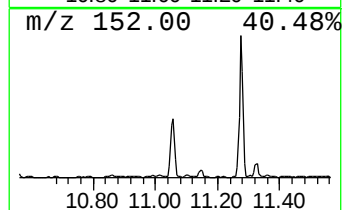
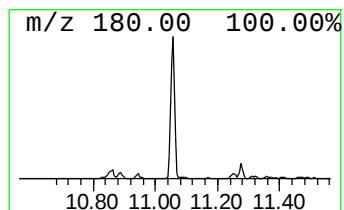
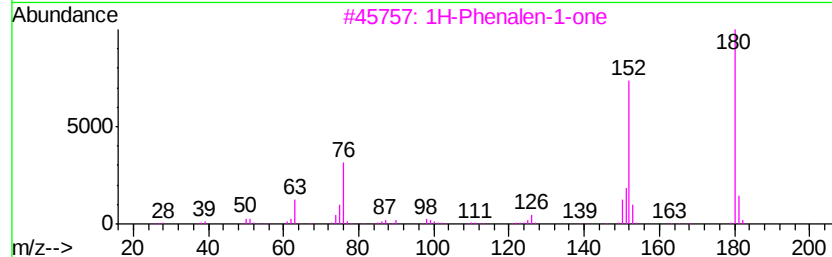
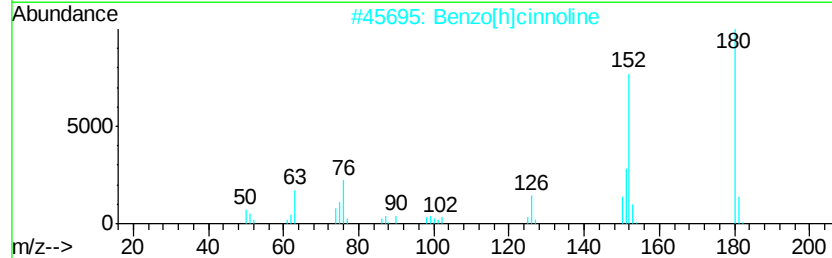
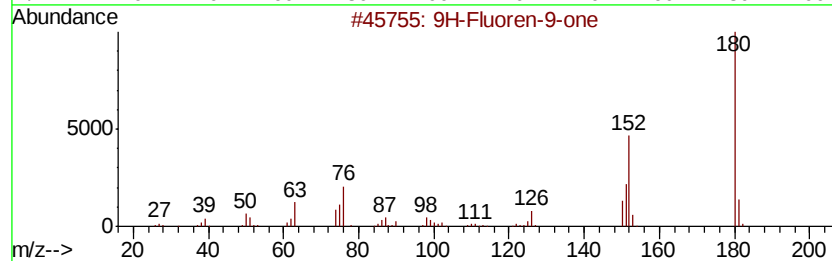
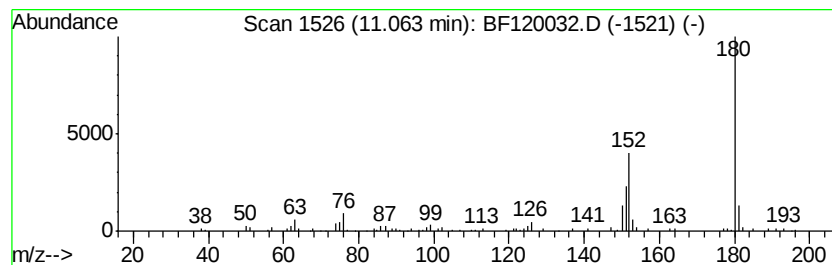
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluoren-9-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	5.34 ng	247918	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one		180	C13H8O	000486-25-9	93
2	Benzo[h]cinnoline		180	C12H8N2	000230-31-9	90
3	1H-Phenalen-1-one		180	C13H8O	000548-39-0	78
4	1,1'-Biphenyl, 4-ethenyl-		180	C14H12	002350-89-2	45
5	Phenanthrene, 9,10-dihydro-		180	C14H12	000776-35-2	38



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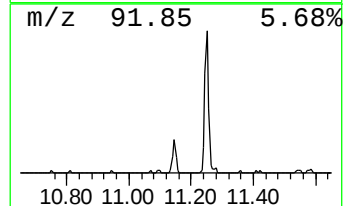
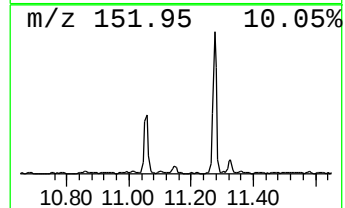
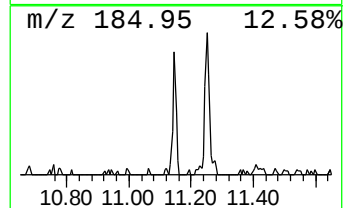
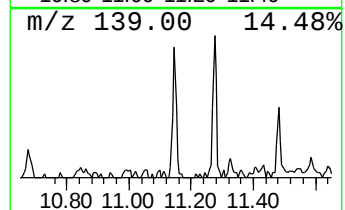
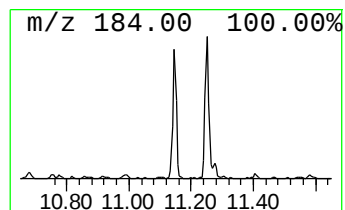
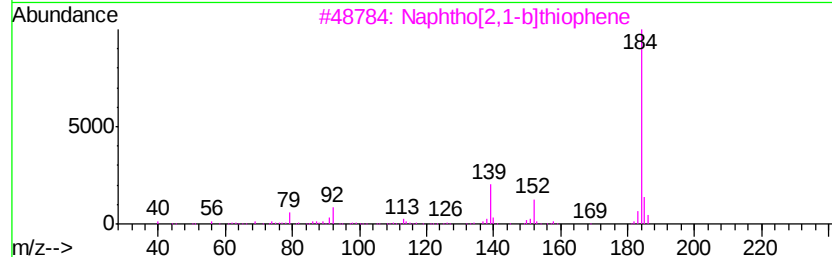
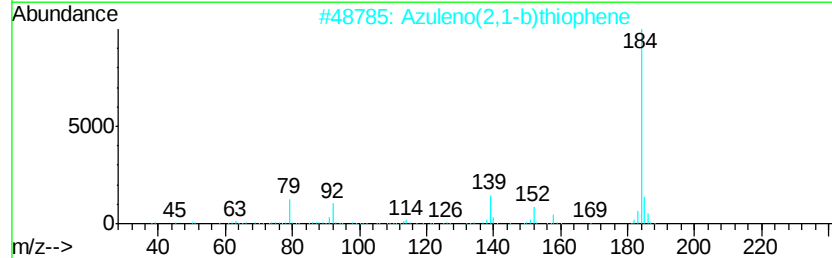
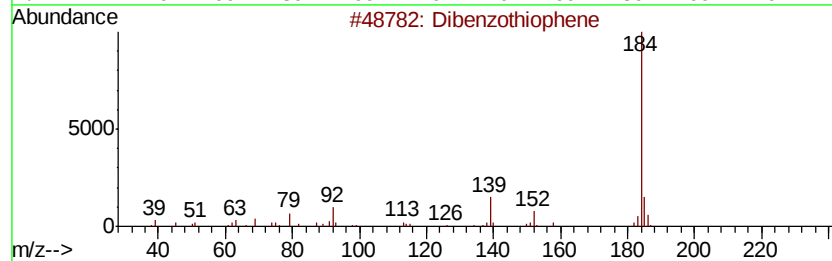
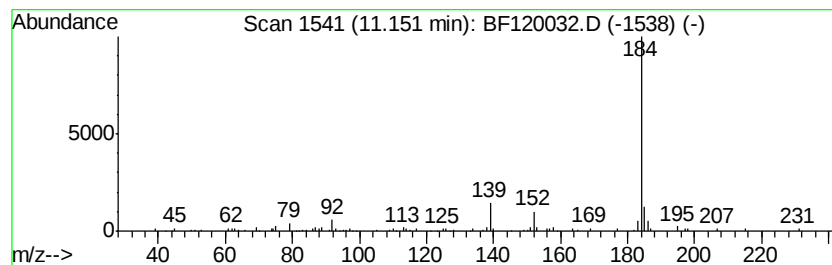
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	3.01 ng	139553	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5		Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
Acq On : 16 Apr 2020 13:27
Operator : MA/SJ
Sample : L2229-13 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-32

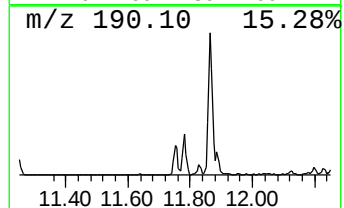
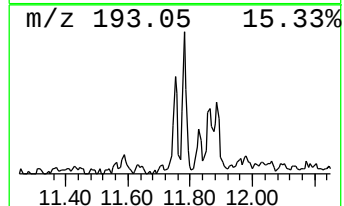
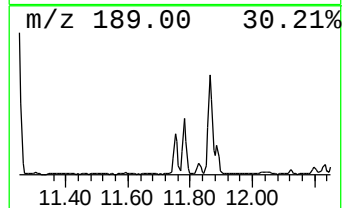
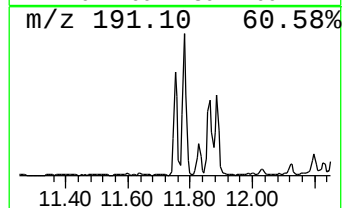
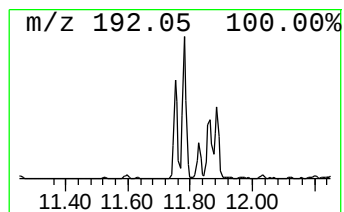
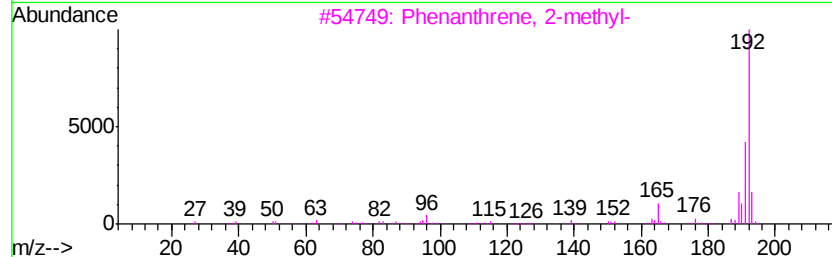
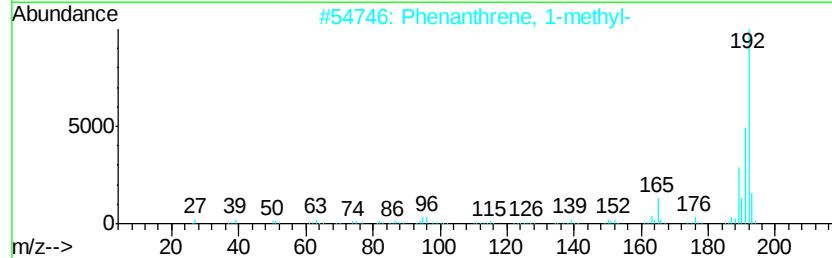
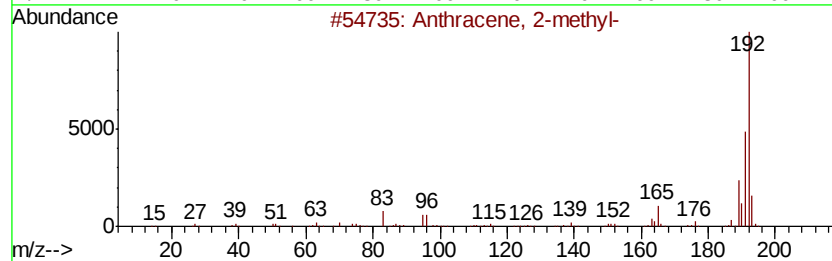
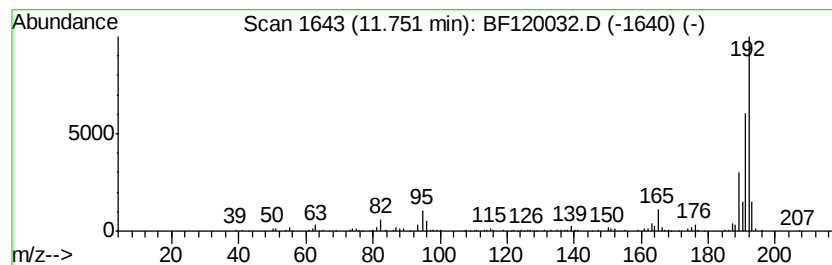
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	4.12 ng	191048	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
Acq On : 16 Apr 2020 13:27
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ClientSampleId :
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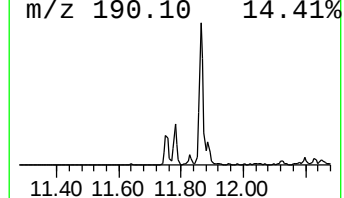
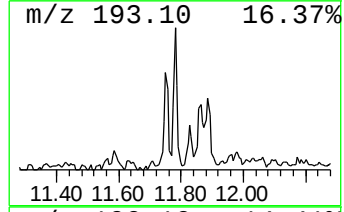
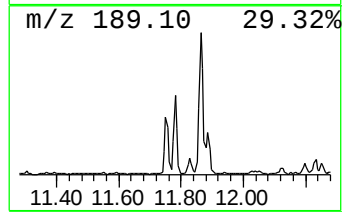
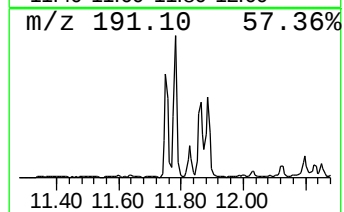
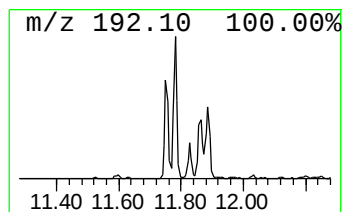
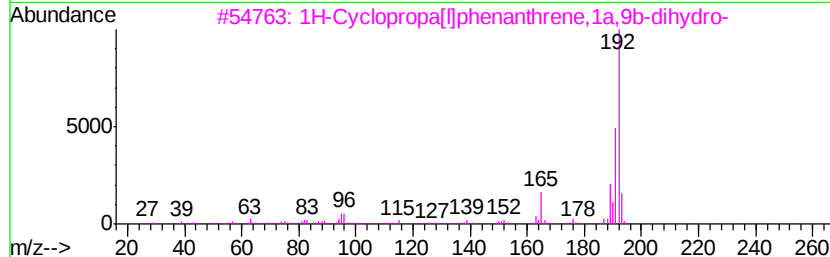
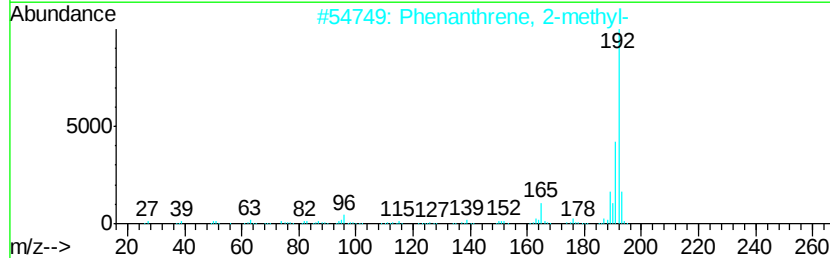
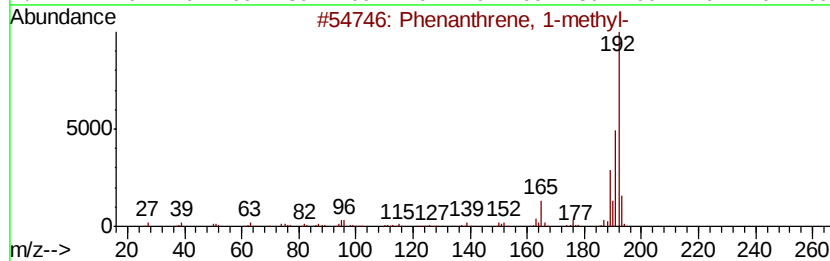
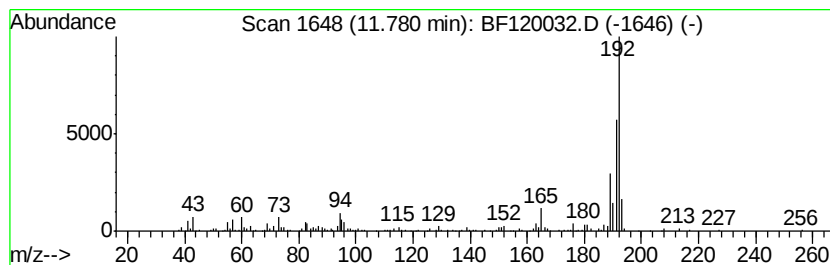
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	7.03 ng	325925	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
Acq On : 16 Apr 2020 13:27
Operator : MA/SJ
Sample : L2229-13 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

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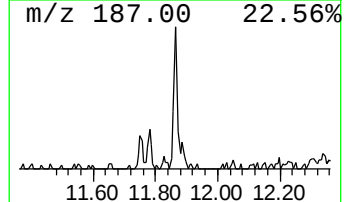
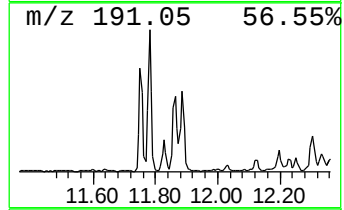
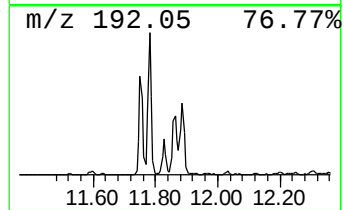
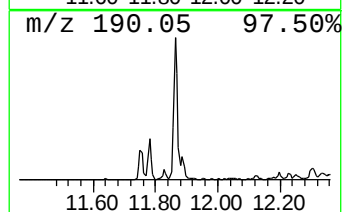
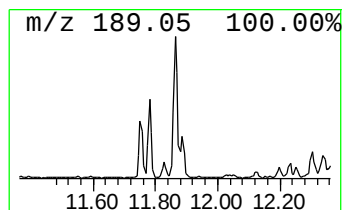
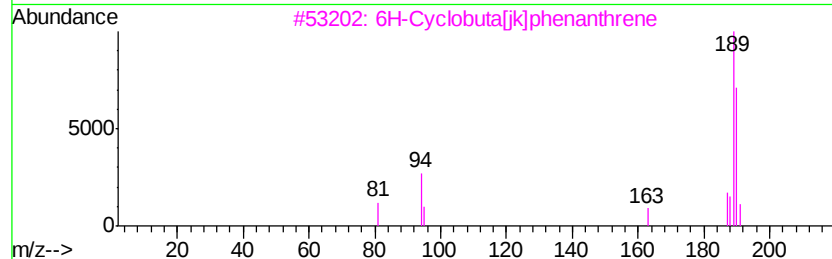
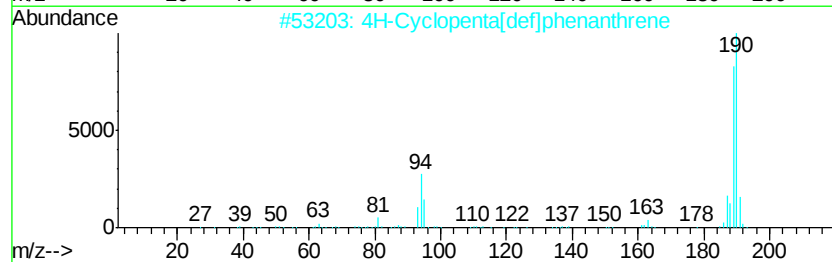
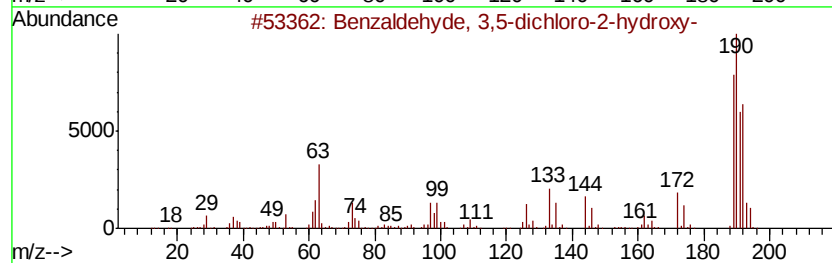
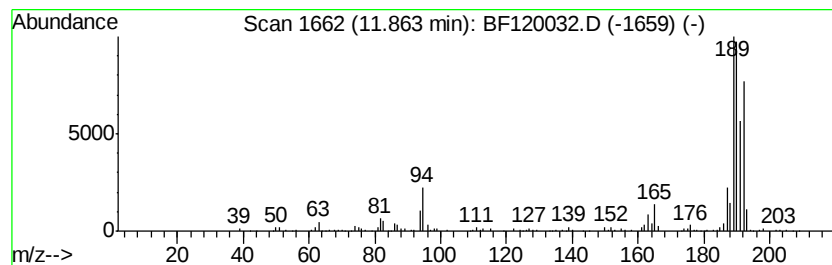
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.29 ng	245235	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzaldehydve, 3,5-dichloro-2-hvd...	190	C7H4Cl2O2	000090-60-8	72
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3		6H-Cyclobuta[fik]phenanthrene	190	C15H10	083469-43-6	49
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
Acq On : 16 Apr 2020 13:27
Operator : MA/SJ
Sample : L2229-13 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

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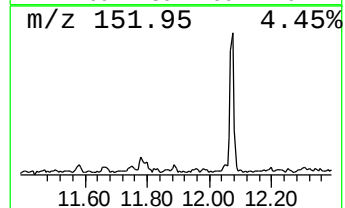
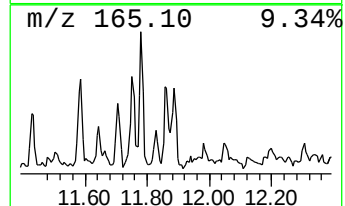
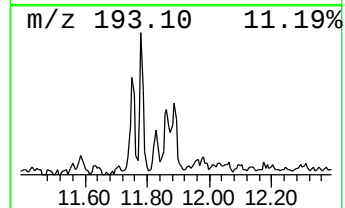
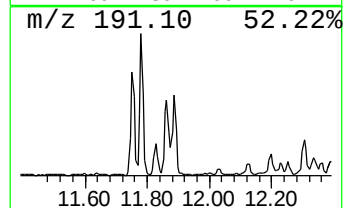
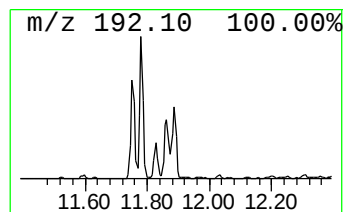
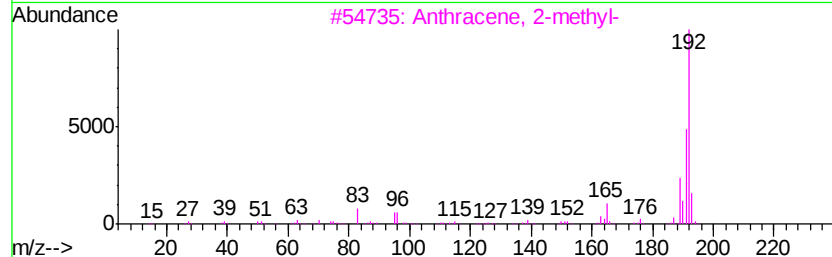
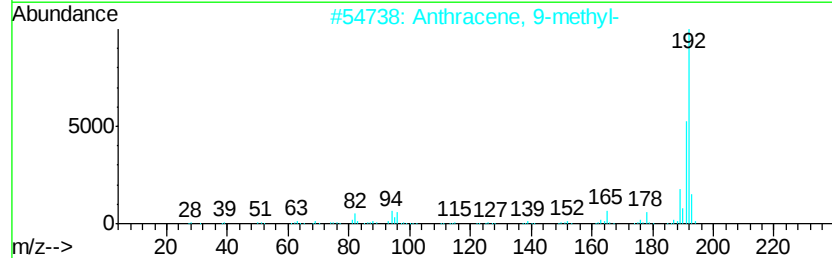
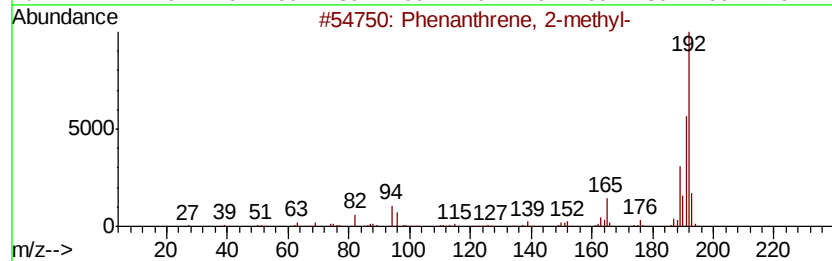
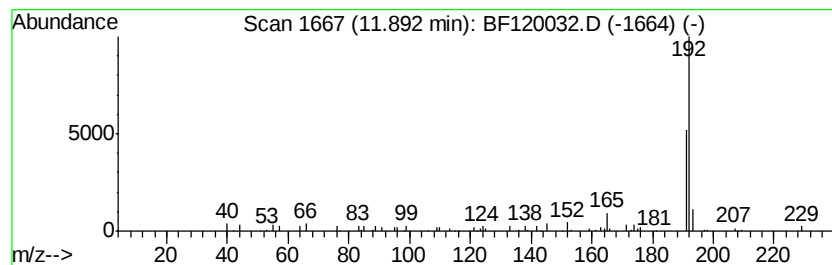
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.86 ng	132910	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5		3,4-Methylenedioxycinnamic acid	192	C10H8O4	002373-80-0	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
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Sample : L2229-13 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

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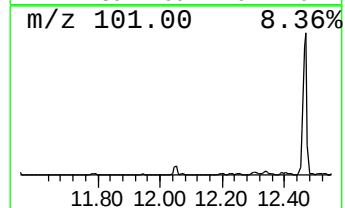
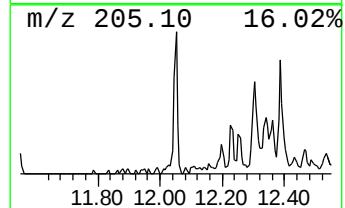
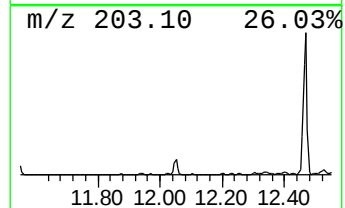
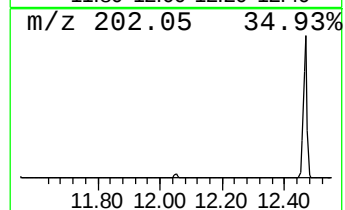
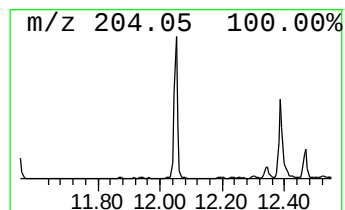
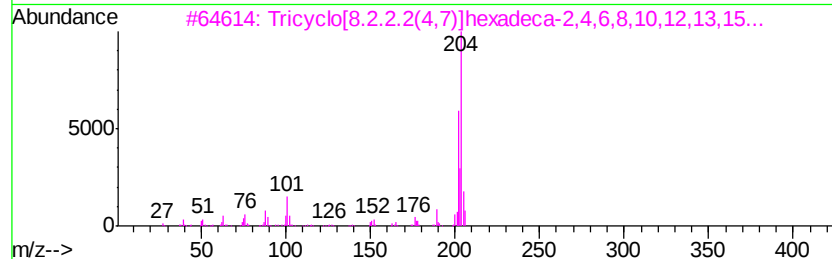
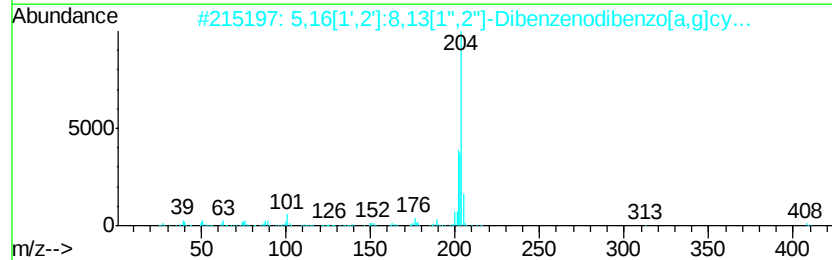
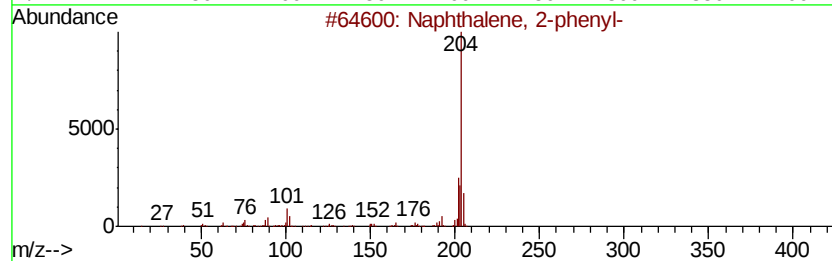
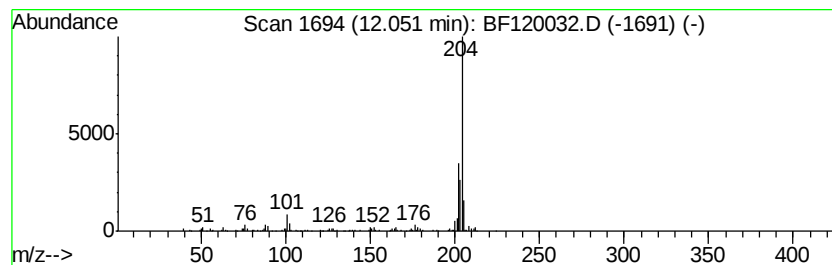
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	3.31 ng	153382	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
Acq On : 16 Apr 2020 13:27
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ALS Vial : 40 Sample Multiplier: 1

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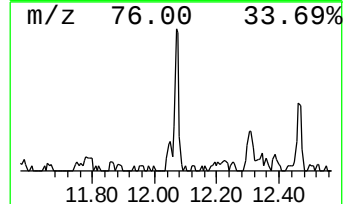
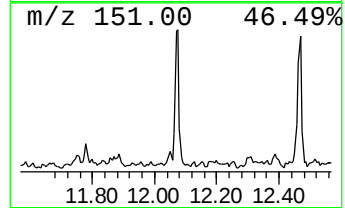
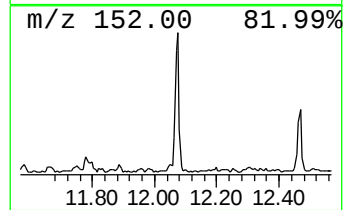
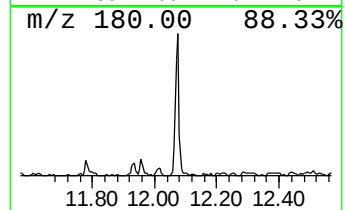
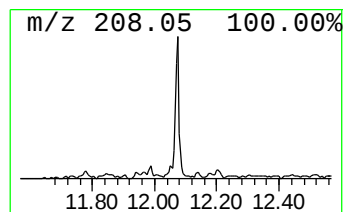
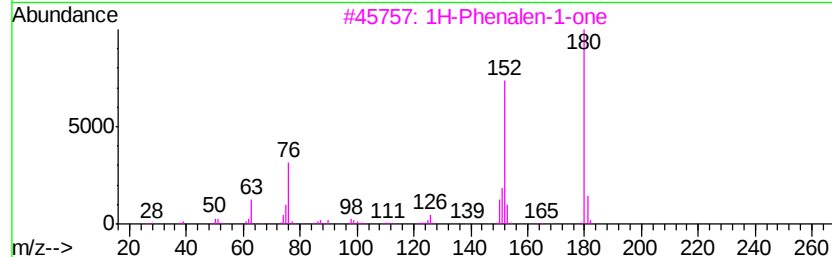
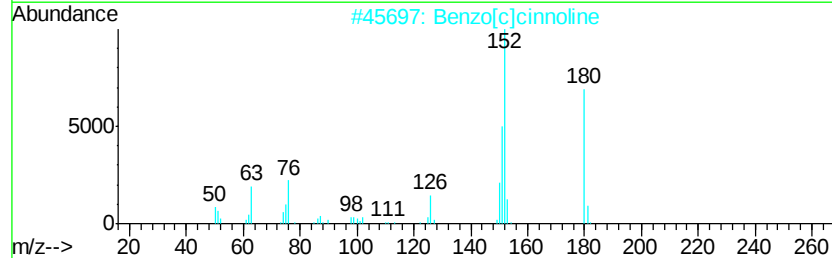
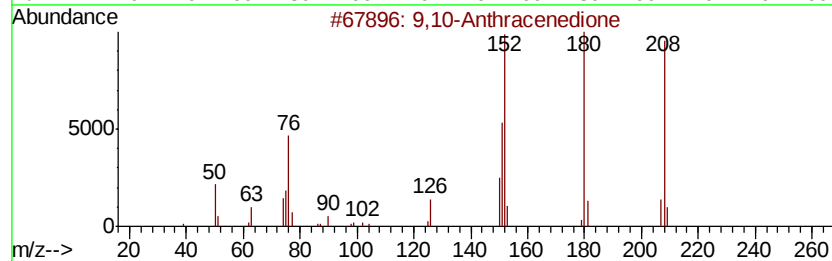
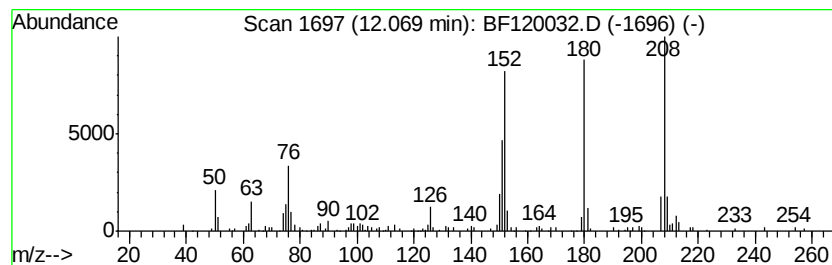
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	3.20 ng	148511	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	52
5		1,4-Anthracenedione	208	C14H8O2	000635-12-1	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
Acq On : 16 Apr 2020 13:27
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ALS Vial : 40 Sample Multiplier: 1

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ClientSampleId :
TP-32

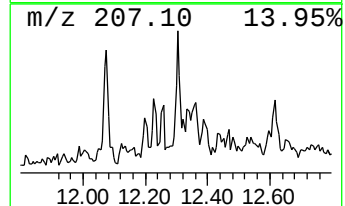
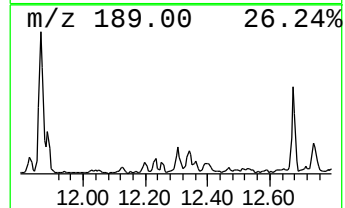
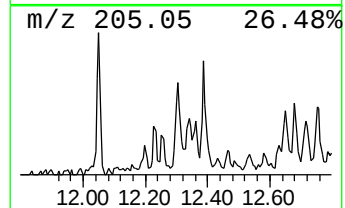
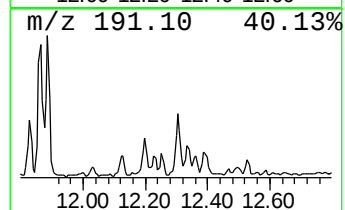
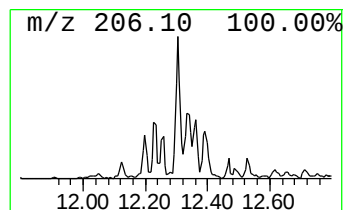
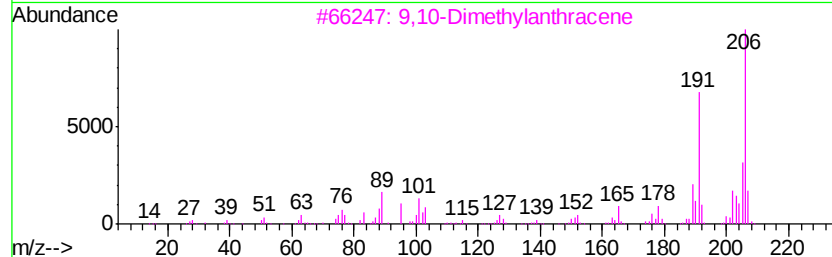
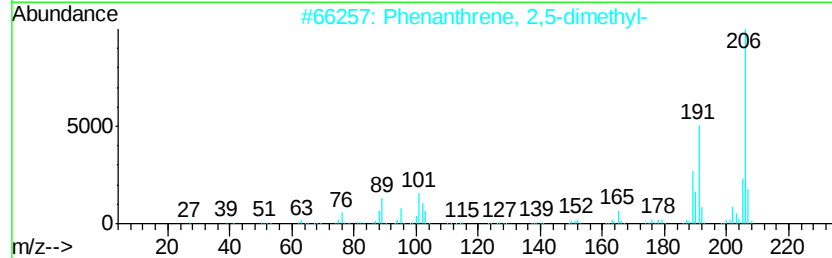
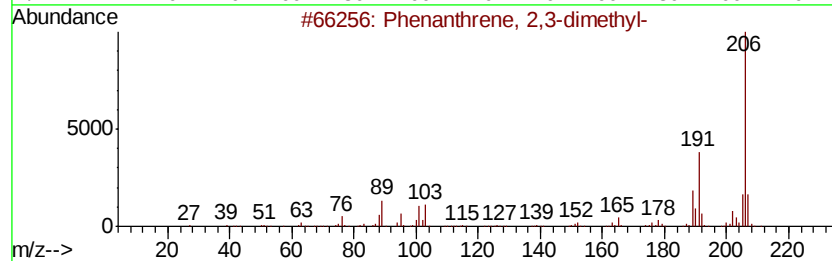
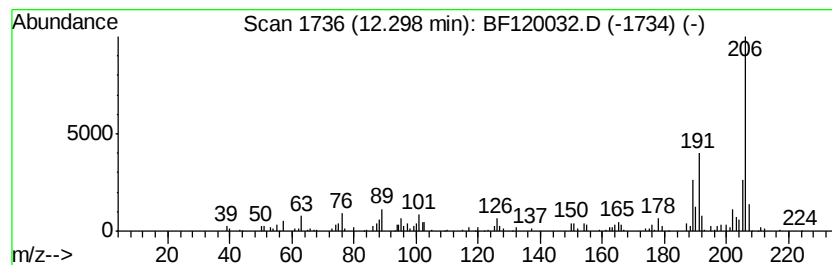
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	3.65 ng	169312	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	78
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
Acq On : 16 Apr 2020 13:27
Operator : MA/SJ
Sample : L2229-13 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-32

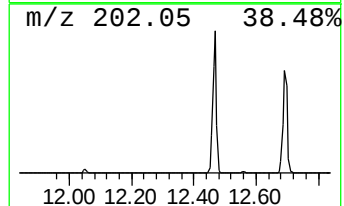
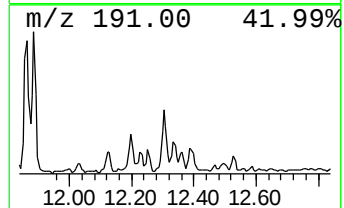
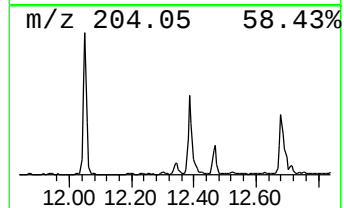
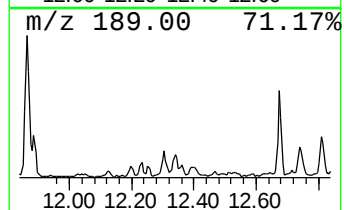
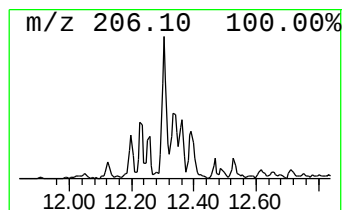
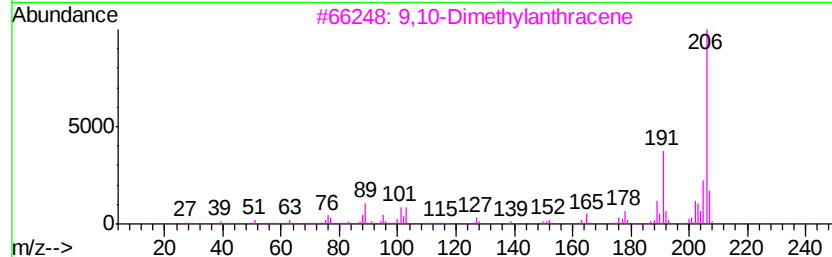
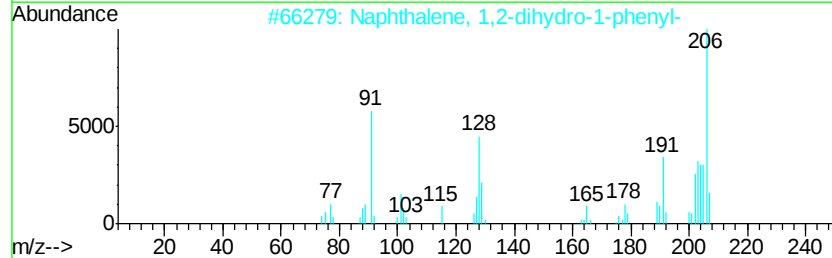
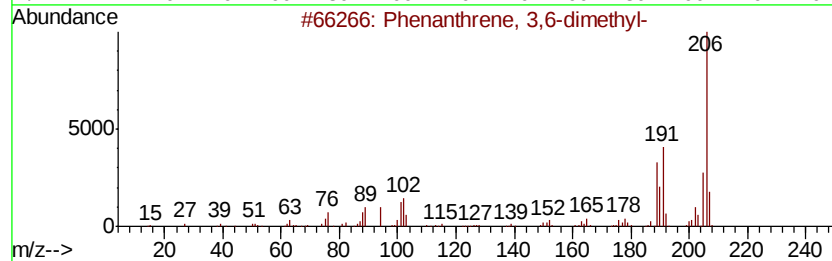
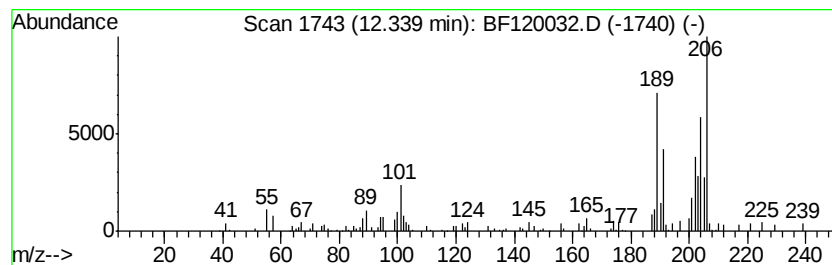
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	2.73 ng	126785	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	50
2			Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	43
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	43
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	35
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
Acq On : 16 Apr 2020 13:27
Operator : MA/SJ
Sample : L2229-13 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

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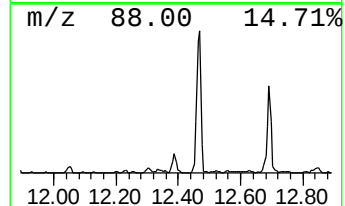
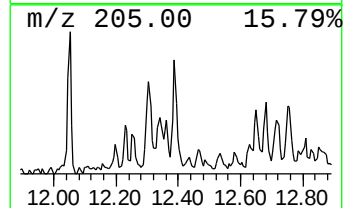
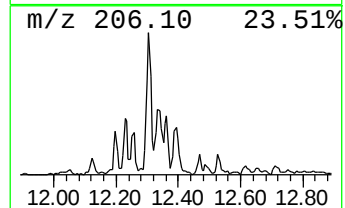
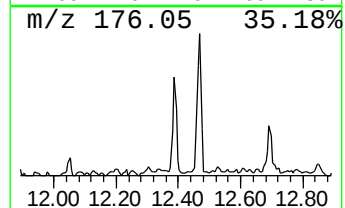
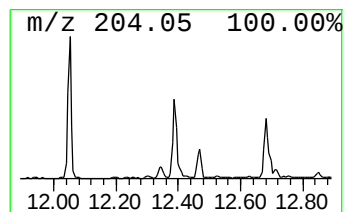
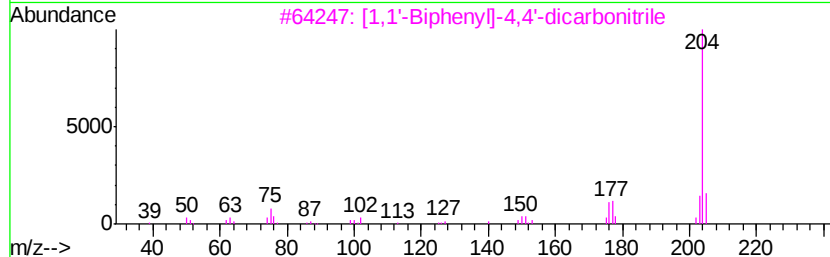
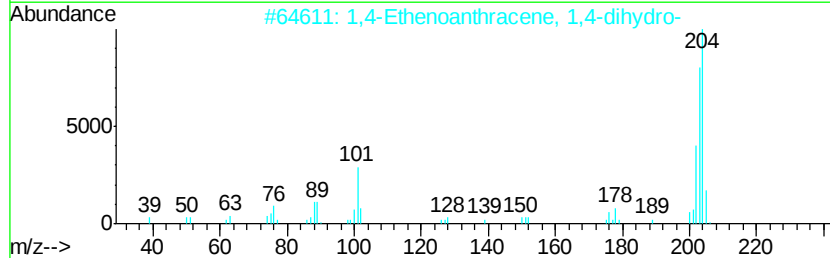
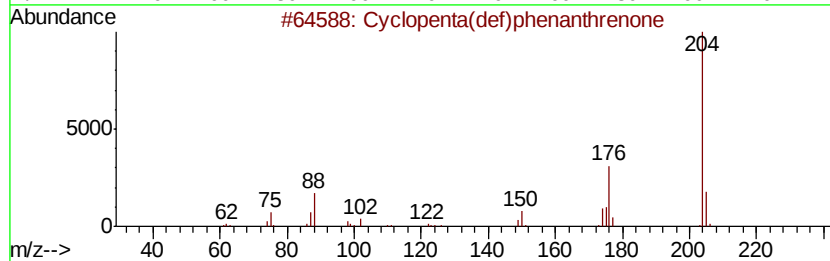
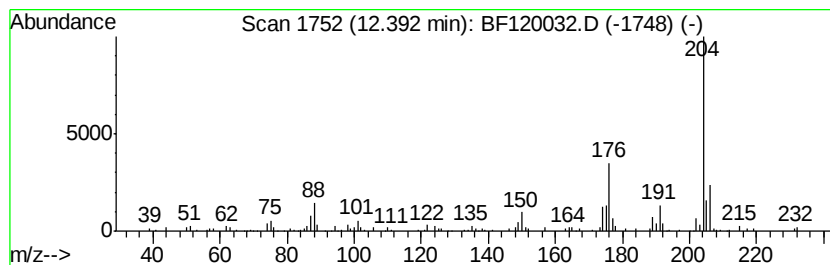
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.92 ng	135629	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	50
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	50
5		Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
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Misc :
ALS Vial : 40 Sample Multiplier: 1

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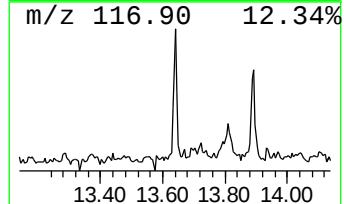
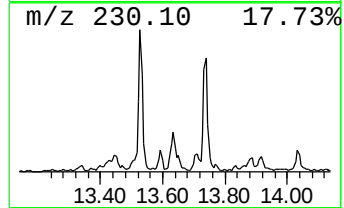
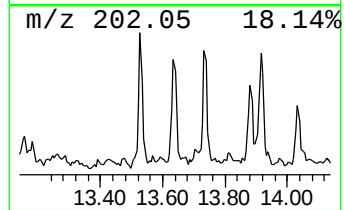
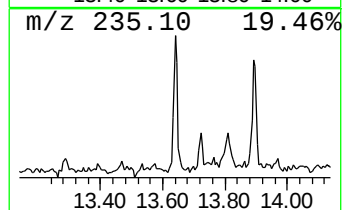
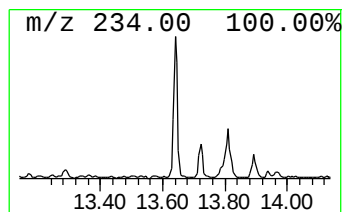
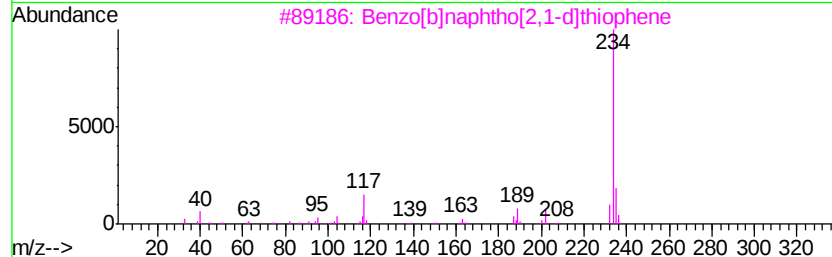
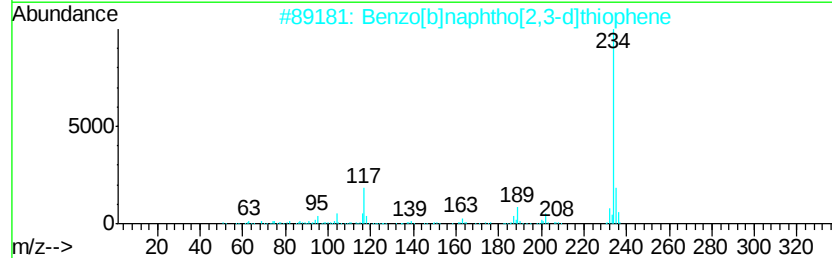
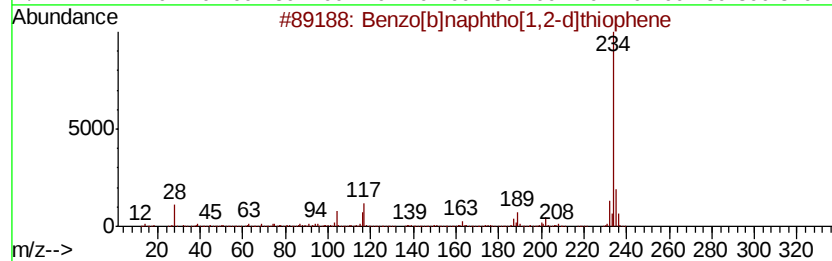
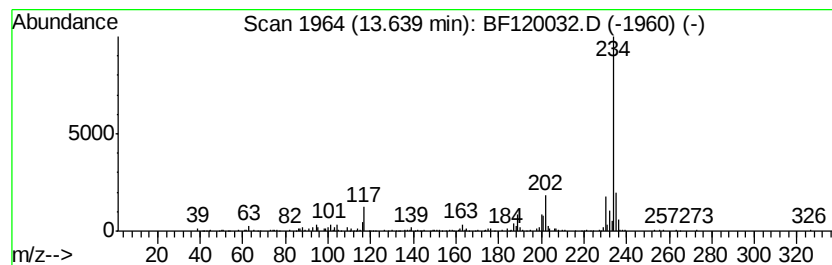
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Benzo[b]naphtho[1,2-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	2.69 ng	189038	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
3		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
4		Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	89
5		Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
Acq On : 16 Apr 2020 13:27
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Sample : L2229-13 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

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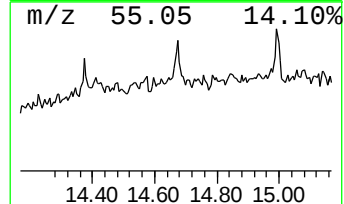
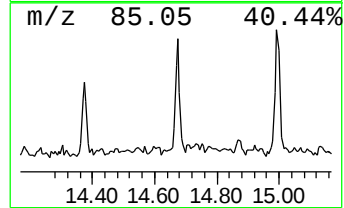
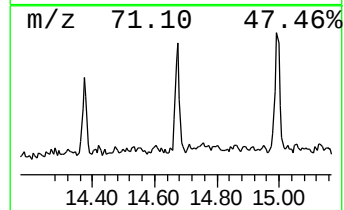
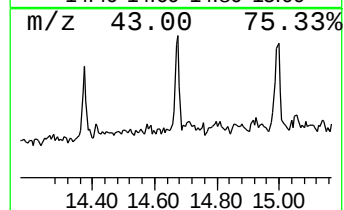
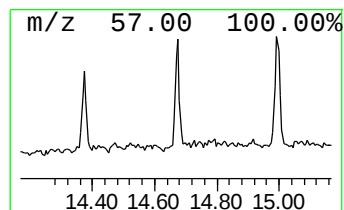
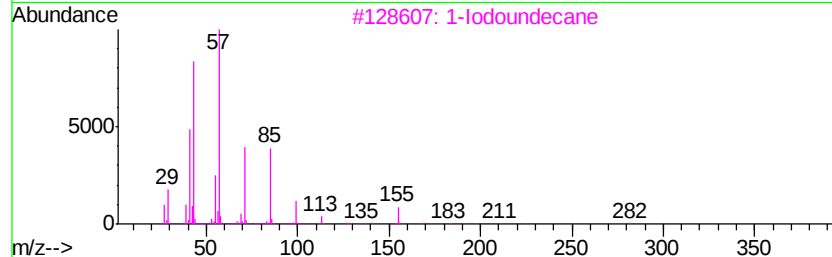
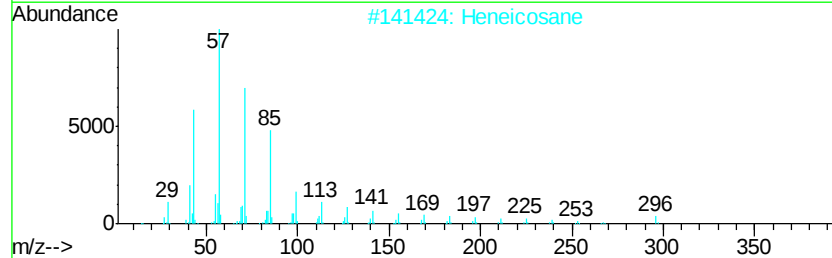
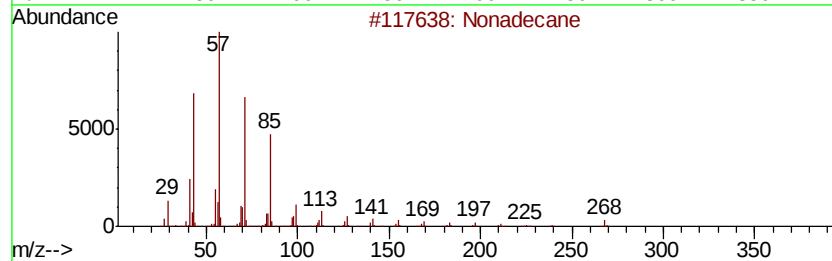
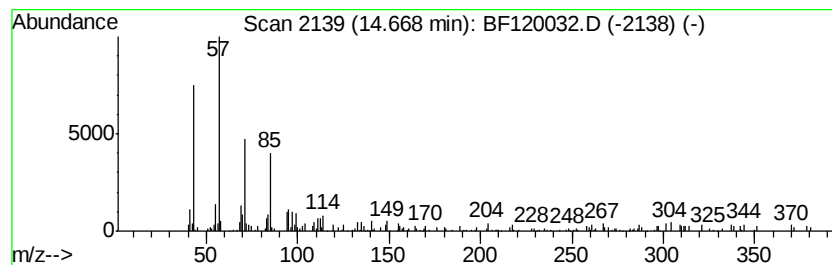
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Nonadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	4.92 ng	151998	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	89
2			Heneicosane	296	C21H44	000629-94-7	83
3			1-Iodoundecane	282	C11H23I	004282-44-4	70
4			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	68
5			Hexacosane	366	C26H54	000630-01-3	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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 Misc :
 ALS Vial : 40 Sample Multiplier: 1

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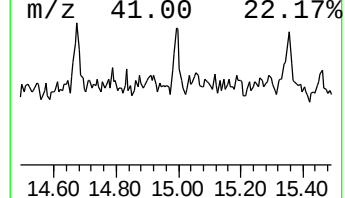
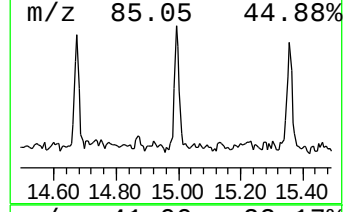
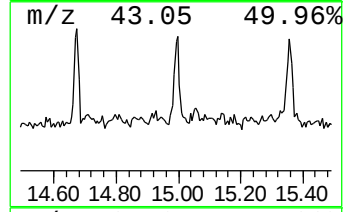
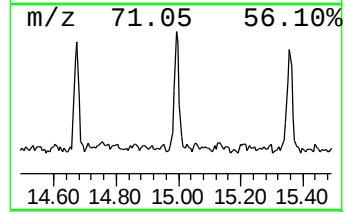
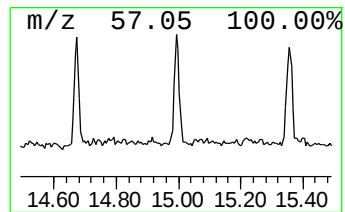
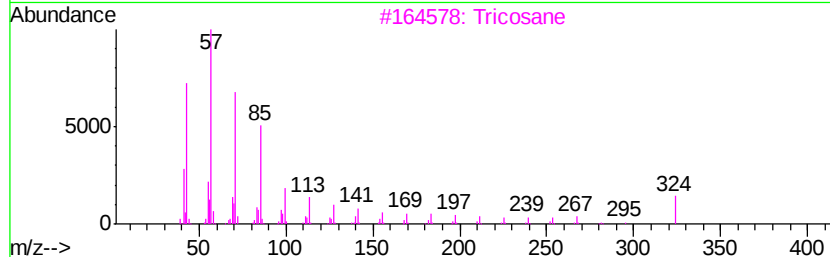
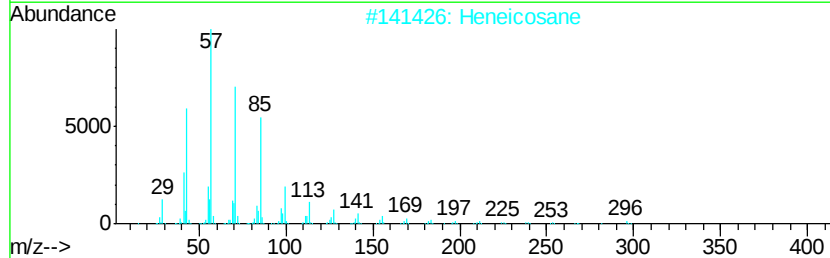
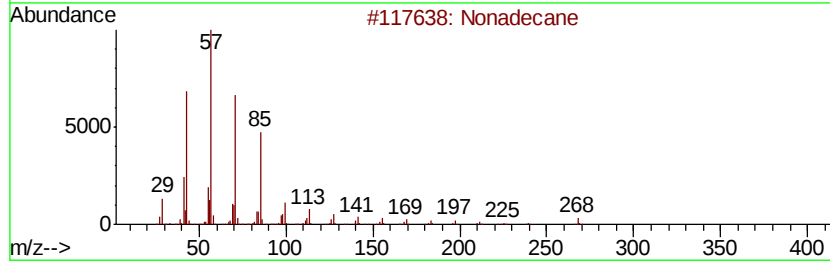
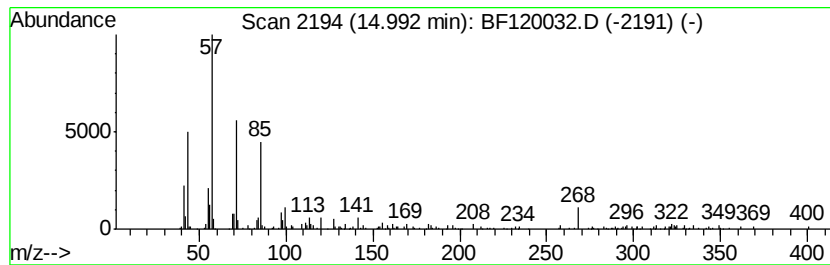
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 16 Heneicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	3.51 ng	108408	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	93
2			Heneicosane	296	C21H44	000629-94-7	89
3			Tricosane	324	C23H48	000638-67-5	81
4			Tridecane	184	C13H28	000629-50-5	74
5			Octacosane	394	C28H58	000630-02-4	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
Acq On : 16 Apr 2020 13:27
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Sample : L2229-13 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

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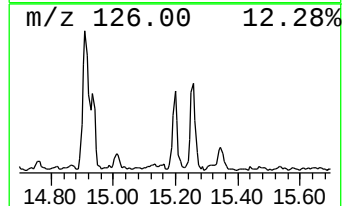
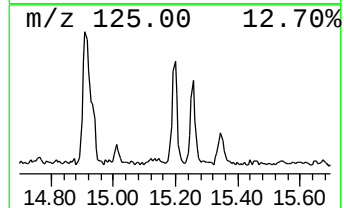
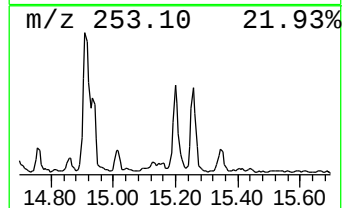
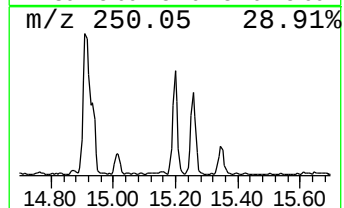
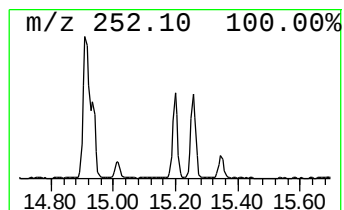
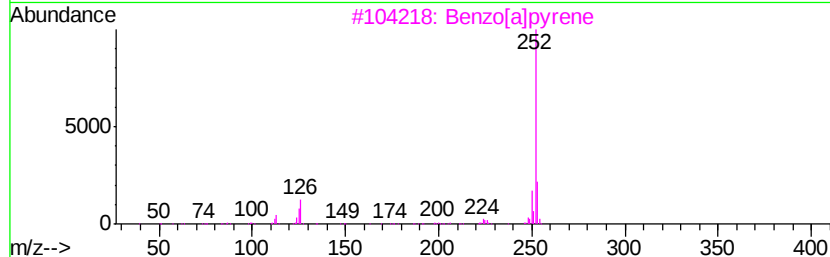
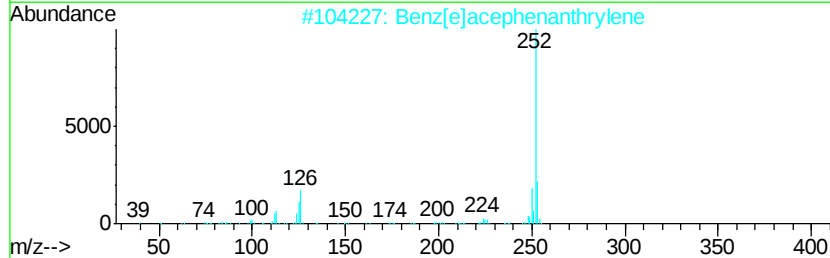
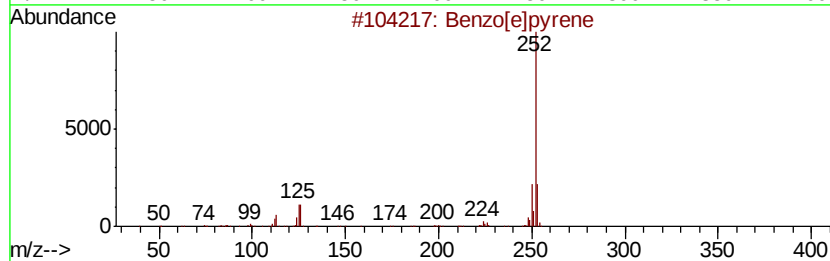
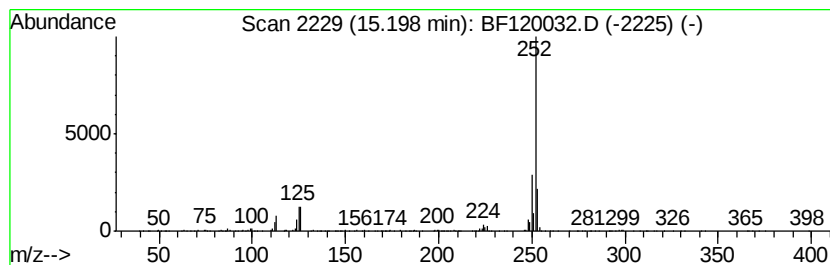
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	14.89 ng	459792	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]bpvrene	252	C20H12	000192-97-2	99
2			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3			Benzo[a]bpvrene	252	C20H12	000050-32-8	96
4			Perylene	252	C20H12	000198-55-0	94
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
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Sample : L2229-13 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-32

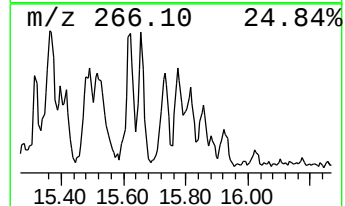
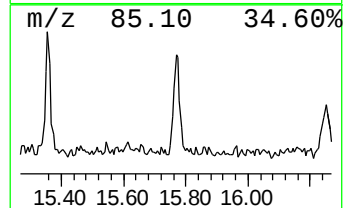
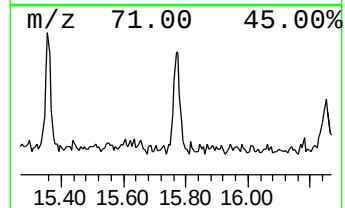
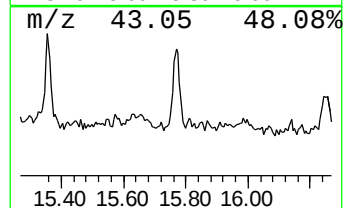
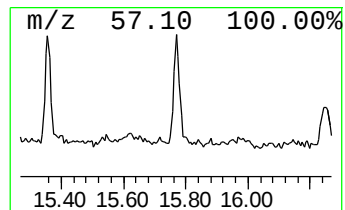
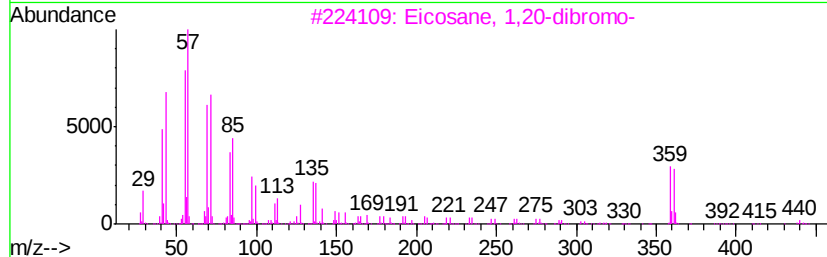
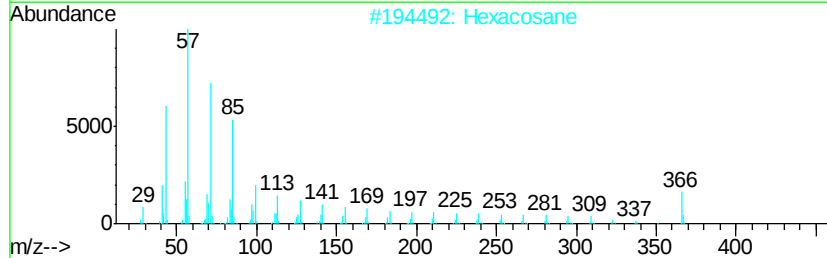
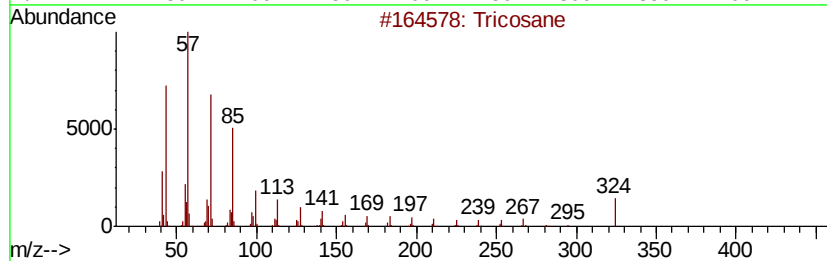
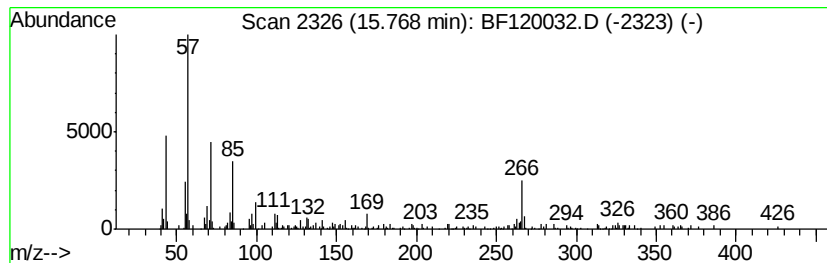
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Tricosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	5.10 ng	157382	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricosane	324	C23H48	000638-67-5	38
2		Hexacosane	366	C26H54	000630-01-3	38
3		Eicosane, 1,20-dibromo-	438	C20H40Br2	014296-16-3	38
4		Eicosane, 10-butyl-10-propyl-	380	C27H56	055282-33-2	38
5		3,3-Diethylheptadecane	296	C21H44	1000360-41-6	37



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
Acq On : 16 Apr 2020 13:27
Operator : MA/SJ
Sample : L2229-13 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-32

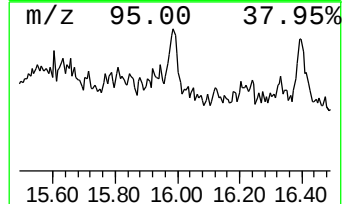
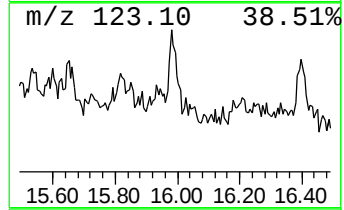
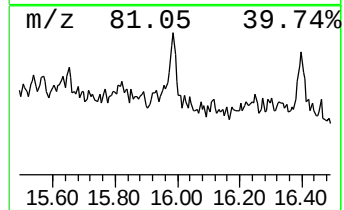
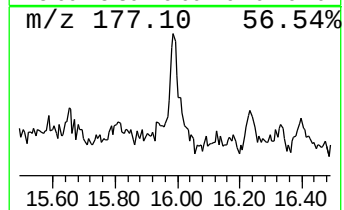
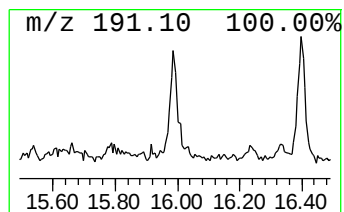
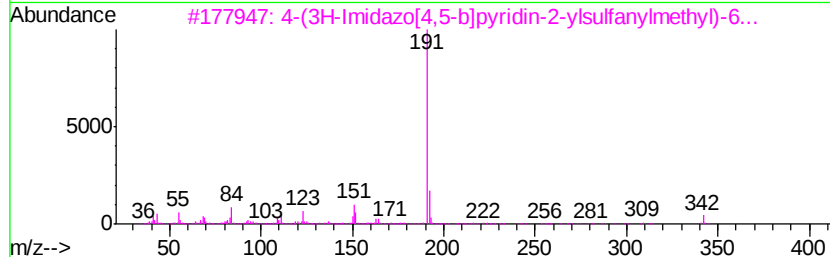
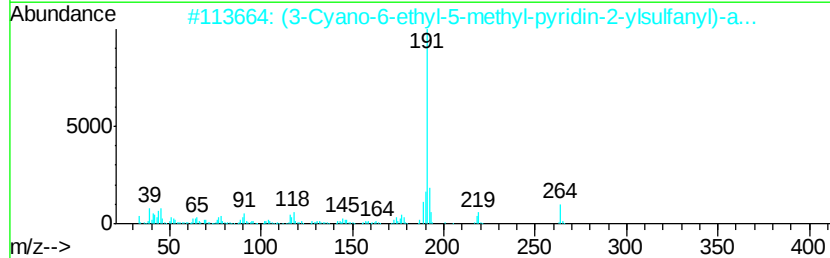
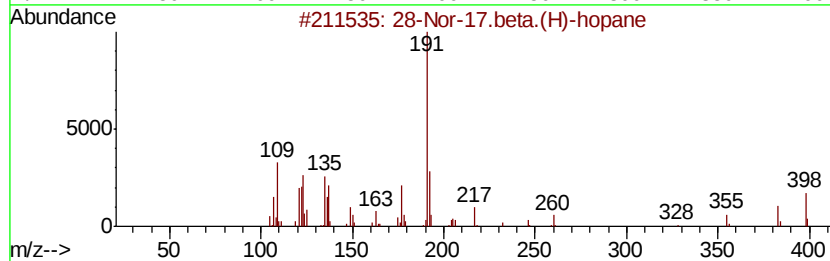
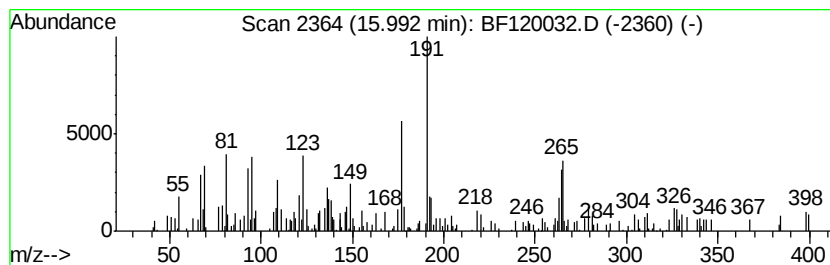
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 28-Nor-17.beta.(H)-hopane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	4.75 ng	146673	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	53
2		(3-Cyano-6-ethyl-5-methyl-pyridi...	264	C13H16N2O2S	1000300-45-4	43
3		4-(3H-Imidazo[4,5-b]pyridin-2-yl...	342	C15H18N8S	1000276-08-2	38
4		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38
5		(1,3-Diphenylprop-2-ynyl)diethyl...	263	C19H21N	1000188-31-2	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120032.D
 Acq On : 16 Apr 2020 13:27
 Operator : MA/SJ
 Sample : L2229-13 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampled :
 TP-32

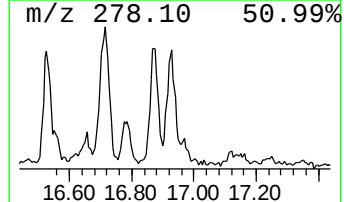
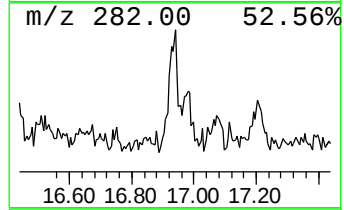
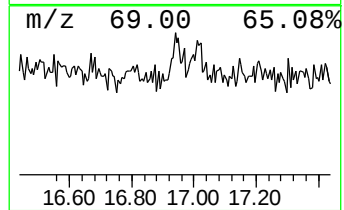
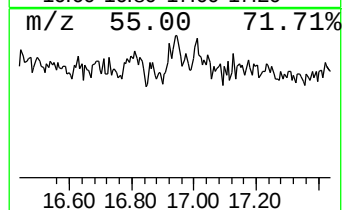
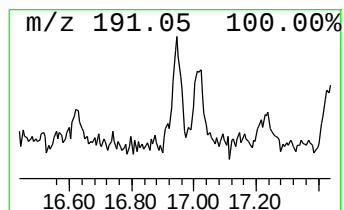
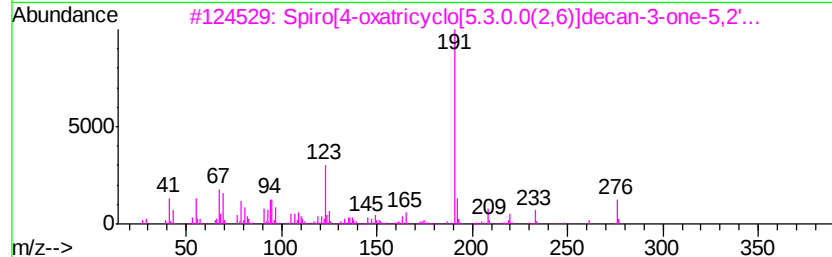
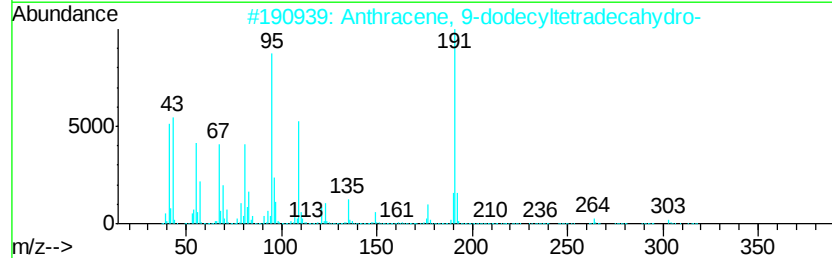
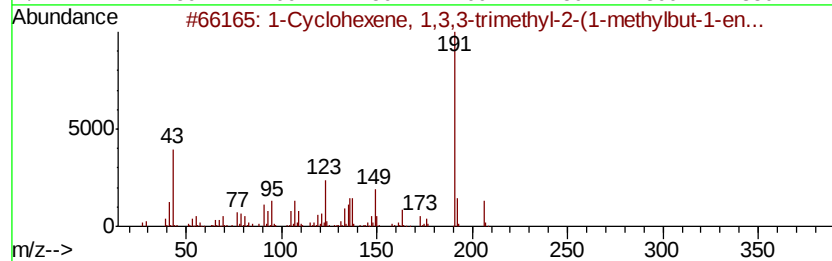
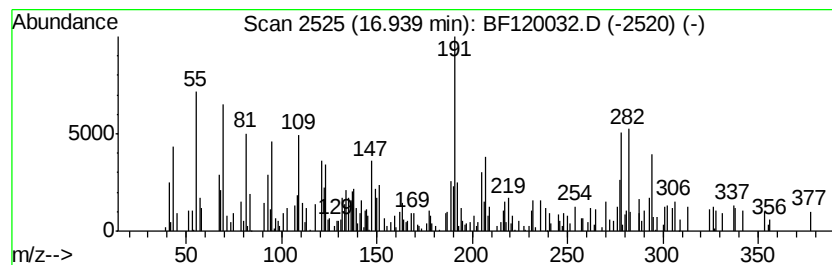
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 20 unknown16.94 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	5.28 ng	163156	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	44
2		Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	27
3		Spiro[4-oxatricyclo[5.3.0.0(2,6)...]	276	C18H28O2	1000156-82-9	25
4		Pyrrodo[3,4-d]pyridazin-1(2H)-one...	191	C8H9N5O	1000263-69-7	25
5		Silane, diethylisobutoxy(2-isopr...	294	C17H30O2Si	1000363-84-6	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041620\
 Data File : BF120032.D
 Acq On : 16 Apr 2020 13:27
 Operator : MA/SJ
 Sample : L2229-13 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-32

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexanone	5.57	3.8 ng		152425	1	6.72	812514	20.0
9H-Fluoren-9-one	11.06	5.3 ng		247918	4	11.25	927866	20.0
Dibenzothiophene	11.15	3.0 ng		139553	4	11.25	927866	20.0
Anthracene, 2-met...	11.75	4.1 ng		191048	4	11.25	927866	20.0
Phenanthrene, 1-m...	11.78	7.0 ng		325925	4	11.25	927866	20.0
Benzaldehyde, 3,5...	11.86	5.3 ng		245235	4	11.25	927866	20.0
Phenanthrene, 2-m...	11.89	2.9 ng		132910	4	11.25	927866	20.0
Naphthalene, 2-ph...	12.05	3.3 ng		153382	4	11.25	927866	20.0
9,10-Anthracenedione	12.07	3.2 ng		148511	4	11.25	927866	20.0
Phenanthrene, 2,3...	12.30	3.6 ng		169312	4	11.25	927866	20.0
Phenanthrene, 3,6...	12.34	2.7 ng		126785	4	11.25	927866	20.0
Cyclopenta(def)ph...	12.39	2.9 ng		135629	4	11.25	927866	20.0
Benzo[b]naphtho[1...	13.64	2.7 ng		189038	5	13.89	1404230	20.0
Nonadecane	14.67	4.9 ng		151998	6	15.32	617470	20.0
Heneicosane	14.99	3.5 ng		108408	6	15.32	617470	20.0
Benzo[e]pyrene	15.20	14.9 ng		459792	6	15.32	617470	20.0
Tricosane	15.77	5.1 ng		157382	6	15.32	617470	20.0
28-Nor-17.beta.(H...	15.99	4.8 ng		146673	6	15.32	617470	20.0
unknown16.94	16.94	5.3 ng		163156	6	15.32	617470	20.0