

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117302.D
 Acq On : 2 Oct 2019 16:26
 Operator : JU
 Sample : K5148-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100119

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-BF091319.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	5.428	565	568	588	rBV	220474	266797	56.58%	3.320%
2	6.451	738	742	755	rBV	214860	298165	63.23%	3.710%
3	6.581	760	764	773	rBV	337061	310695	65.89%	3.866%
4	6.804	799	802	810	rBV	128057	131090	27.80%	1.631%
5	6.963	825	829	840	rBV	276252	243415	51.62%	3.029%
6	7.369	895	898	909	rVV	137220	171669	36.40%	2.136%
7	7.910	987	990	995	rVB5	8429	9601	2.04%	0.119%
8	7.969	995	1000	1003	rBV3	5543	10052	2.13%	0.125%
9	8.092	1015	1021	1024	rBV	172777	187554	39.77%	2.334%
10	8.151	1029	1031	1034	rVV	17323	14876	3.15%	0.185%
11	8.298	1053	1056	1059	rVB	17011	14634	3.10%	0.182%
12	8.381	1066	1070	1073	rBV4	12219	14337	3.04%	0.178%
13	8.469	1082	1085	1090	rVB6	8552	11672	2.48%	0.145%
14	8.510	1090	1092	1094	rBV2	20457	17336	3.68%	0.216%
15	8.633	1109	1113	1115	rBV4	19372	20517	4.35%	0.255%
16	8.680	1118	1121	1124	rBV2	19704	18879	4.00%	0.235%
17	8.780	1134	1138	1140	rVB5	11882	14320	3.04%	0.178%
18	8.804	1140	1142	1146	rBV	11445	12227	2.59%	0.152%
19	8.904	1155	1159	1163	rVB2	22661	24878	5.28%	0.310%
20	8.969	1167	1170	1173	rBV5	9187	14640	3.10%	0.182%
21	8.998	1173	1175	1179	rVB5	12648	15964	3.39%	0.199%
22	9.033	1179	1181	1186	rBV5	9283	15098	3.20%	0.188%
23	9.080	1186	1189	1191	rBV4	10695	9919	2.10%	0.123%
24	9.110	1191	1194	1199	rVB2	44104	37210	7.89%	0.463%
25	9.163	1199	1203	1209	rBV	437453	381817	80.97%	4.751%
26	9.245	1213	1217	1222	rBV3	41546	45993	9.75%	0.572%
27	9.363	1235	1237	1240	rVB4	14001	11850	2.51%	0.147%
28	9.433	1245	1249	1252	rBV2	26120	34225	7.26%	0.426%
29	9.463	1252	1254	1258	rVB5	6471	9574	2.03%	0.119%
30	9.504	1258	1261	1263	rBV	41256	42735	9.06%	0.532%
31	9.527	1263	1265	1267	rVV2	25695	25202	5.34%	0.314%
32	9.557	1267	1270	1274	rVV2	67048	77871	16.51%	0.969%
33	9.622	1277	1281	1283	rBV	21817	21231	4.50%	0.264%
34	9.704	1293	1295	1300	rBV2	32769	38465	8.16%	0.479%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.751	1300	1303	1305	rVV3	12279	11430	2.42%	0.142%
36	9.775	1305	1307	1310	rVB	33353	24640	5.23%	0.307%
37	9.845	1312	1319	1322	rBV	260642	253194	53.69%	3.150%
38	9.875	1322	1324	1334	rVB	50217	61944	13.14%	0.771%
39	9.951	1334	1337	1341	rBV3	23218	28880	6.12%	0.359%
40	10.045	1349	1353	1358	rVB3	29166	49103	10.41%	0.611%
41	10.086	1358	1360	1364	rBV3	28719	31447	6.67%	0.391%
42	10.163	1369	1373	1375	rBV	25356	26199	5.56%	0.326%
43	10.251	1385	1388	1389	rBV2	23753	21694	4.60%	0.270%
44	10.269	1389	1391	1394	rVB	42268	33667	7.14%	0.419%
45	10.339	1399	1403	1406	rVB5	16094	22774	4.83%	0.283%
46	10.392	1407	1412	1418	rBV2	54843	74493	15.80%	0.927%
47	10.492	1424	1429	1435	rVB2	32464	51836	10.99%	0.645%
48	10.545	1435	1438	1442	rVB4	18077	22169	4.70%	0.276%
49	10.633	1450	1453	1460	rVB	215985	218427	46.32%	2.718%
50	10.757	1469	1474	1481	rVB3	54446	83748	17.76%	1.042%
51	10.904	1495	1499	1501	rBV5	7048	9372	1.99%	0.117%
52	10.939	1501	1505	1507	rBV3	22661	25475	5.40%	0.317%
53	10.969	1507	1510	1514	rVB5	15948	15961	3.38%	0.199%
54	11.069	1522	1527	1529	rBV5	15944	22116	4.69%	0.275%
55	11.192	1544	1548	1550	rBV4	28132	29721	6.30%	0.370%
56	11.227	1550	1554	1561	rVB2	49850	62254	13.20%	0.775%
57	11.333	1568	1572	1574	rBV	255055	255554	54.19%	3.180%
58	11.357	1574	1576	1582	rVV	309860	269047	57.06%	3.348%
59	11.410	1582	1585	1588	rVV	74960	69450	14.73%	0.864%
60	11.439	1588	1590	1594	rVV5	11612	14066	2.98%	0.175%
61	11.569	1609	1612	1617	rBV3	31268	36888	7.82%	0.459%
62	11.616	1618	1620	1624	rVB4	25648	23635	5.01%	0.294%
63	11.663	1624	1628	1633	rBV	28689	40813	8.66%	0.508%
64	11.751	1639	1643	1647	rVB	14952	17535	3.72%	0.218%
65	11.833	1654	1657	1659	rVV	58139	57825	12.26%	0.719%
66	11.863	1659	1662	1668	rVB2	81628	94273	19.99%	1.173%
67	11.910	1668	1670	1673	rBV2	23451	26541	5.63%	0.330%
68	11.945	1673	1676	1679	rVV	100116	108848	23.08%	1.354%
69	11.969	1679	1680	1684	rVB	45065	27992	5.94%	0.348%
70	12.021	1687	1689	1694	rVB4	17401	22651	4.80%	0.282%
71	12.069	1694	1697	1699	rBV2	22647	18599	3.94%	0.231%

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72	12.127	1704	1707	1711	rVV	33452	38439	8.15%	0.478%
73	12.163	1711	1713	1716	rVB2	21519	19069	4.04%	0.237%
74	12.263	1727	1730	1731	rBV	20273	18395	3.90%	0.229%
75	12.310	1735	1738	1741	rBV2	30653	28819	6.11%	0.359%
76	12.386	1747	1751	1753	rBV	57486	58462	12.40%	0.727%
77	12.416	1753	1756	1759	rVV4	32927	46170	9.79%	0.574%
78	12.480	1763	1767	1770	rBV5	22807	37996	8.06%	0.473%
79	12.545	1775	1778	1783	rBV	399059	372739	79.04%	4.638%
80	12.645	1793	1795	1799	rVB4	18492	16741	3.55%	0.208%
81	12.698	1801	1804	1807	rBV2	30102	33866	7.18%	0.421%
82	12.780	1811	1818	1824	rBV	354696	465813	98.78%	5.796%
83	12.833	1824	1827	1830	rVB2	33140	40534	8.60%	0.504%
84	12.910	1834	1840	1844	rBV	448077	471554	100.00%	5.867%
85	12.992	1850	1854	1861	rBV6	35121	79916	16.95%	0.994%
86	13.104	1866	1873	1876	rBV2	71894	116146	24.63%	1.445%
87	13.168	1882	1884	1887	rVB	42532	37963	8.05%	0.472%
88	13.210	1888	1891	1894	rBV2	37826	43919	9.31%	0.546%
89	13.333	1910	1912	1914	rBV	24906	22355	4.74%	0.278%
90	13.480	1935	1937	1940	rBV4	27401	28437	6.03%	0.354%
91	13.751	1981	1983	1986	rBV2	21325	16787	3.56%	0.209%
92	13.815	1991	1994	2000	rVB5	41817	75040	15.91%	0.934%
93	13.974	2017	2021	2024	rBV2	268907	391834	83.09%	4.875%
94	14.004	2024	2026	2031	rVB	161421	140838	29.87%	1.752%
95	14.086	2038	2040	2042	rVB	35000	25956	5.50%	0.323%
96	14.433	2097	2099	2101	rBV3	33721	27931	5.92%	0.348%
97	15.015	2195	2198	2202	rBV	103951	155938	33.07%	1.940%
98	15.315	2246	2249	2255	rVB	62218	82607	17.52%	1.028%
99	15.380	2256	2260	2265	rBV	96903	136352	28.92%	1.697%
100	15.439	2266	2270	2273	rBV	136540	167458	35.51%	2.084%

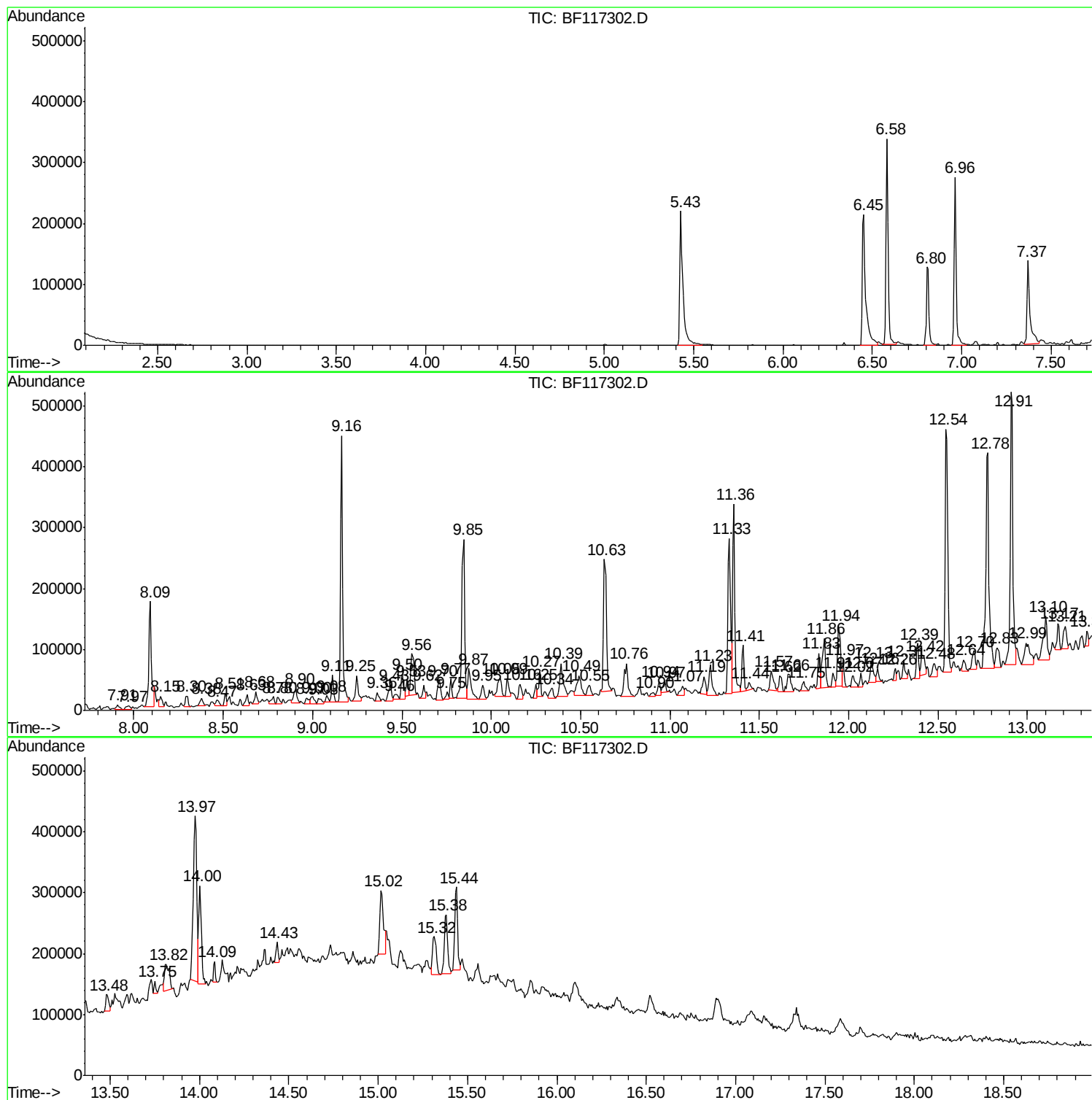
Sum of corrected areas: 8036843

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.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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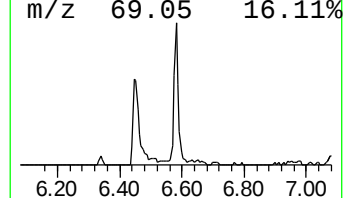
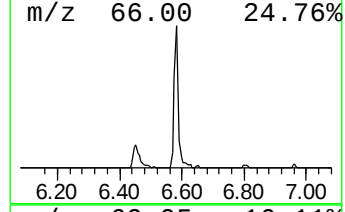
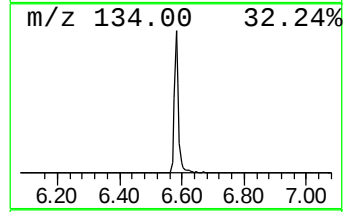
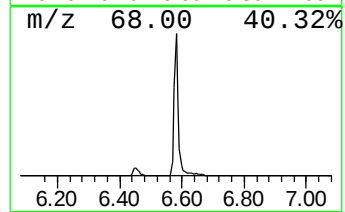
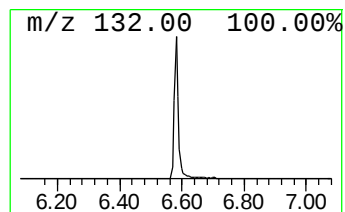
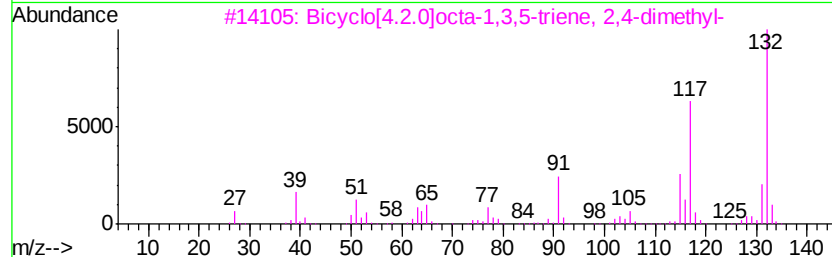
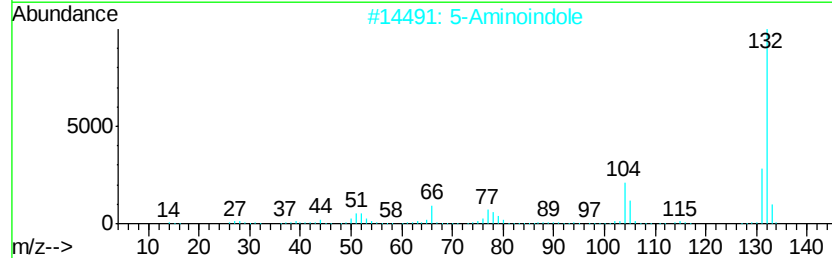
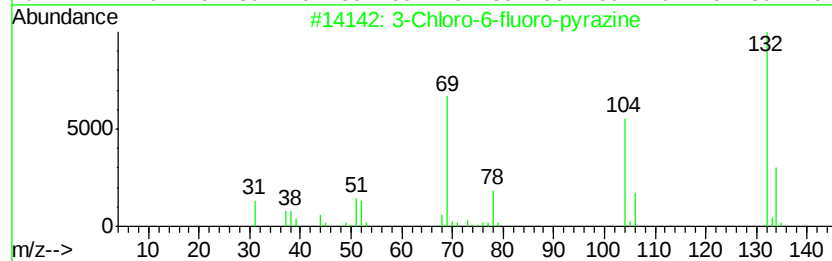
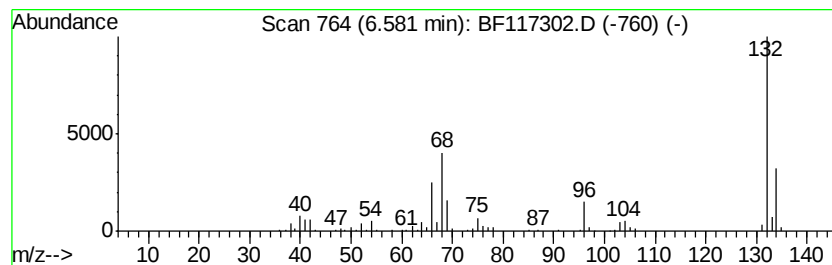
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	47.40 ng	310695	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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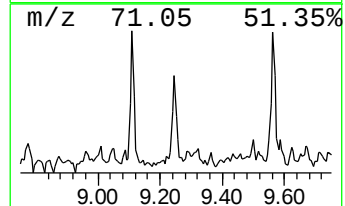
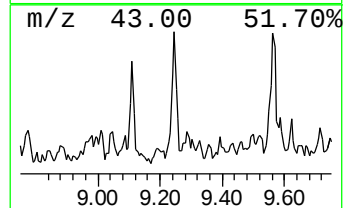
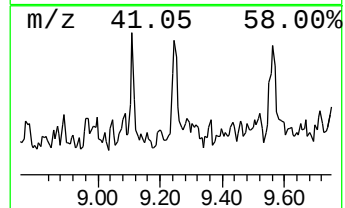
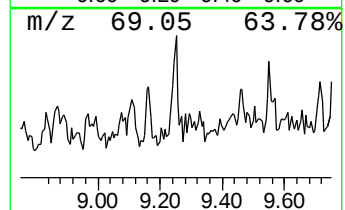
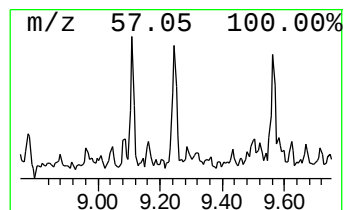
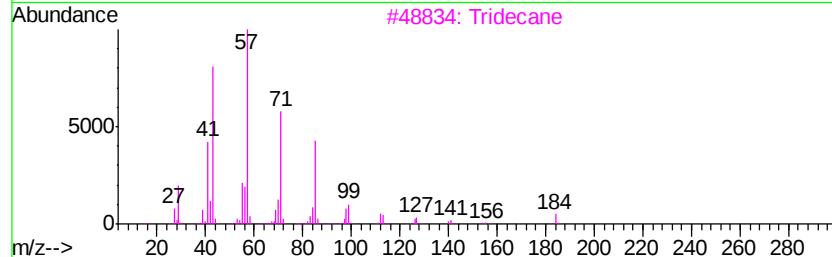
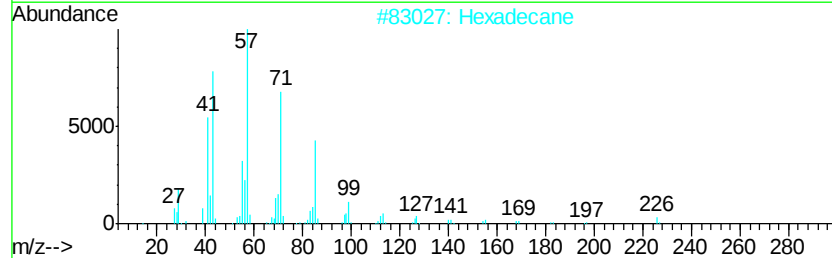
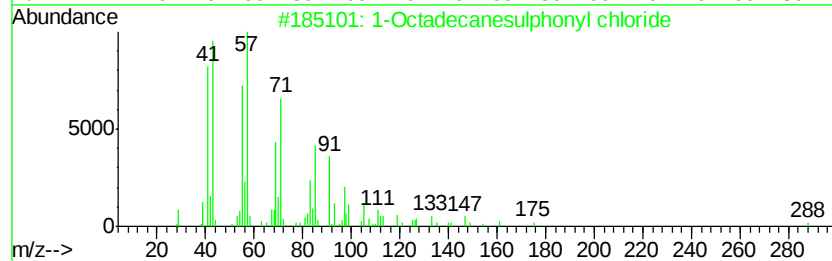
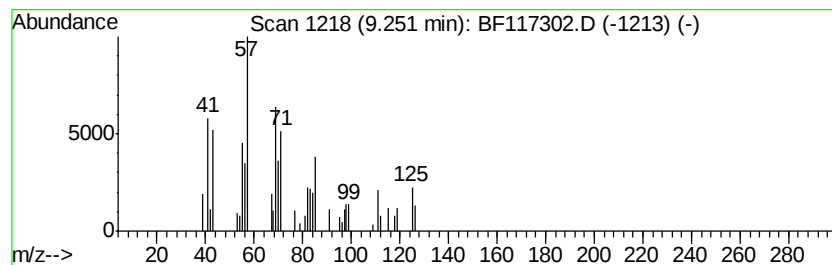
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1-Octadecanesulphonyl chloride Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	3.63 ng	45993	Acenaphthene-d10	9.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	80
2		Hexadecane	226	C16H34	000544-76-3	72
3		Tridecane	184	C13H28	000629-50-5	64
4		Tetradecane	198	C14H30	000629-59-4	64
5		Nonadecane	268	C19H40	000629-92-5	64



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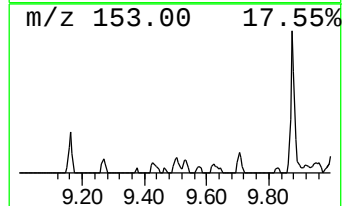
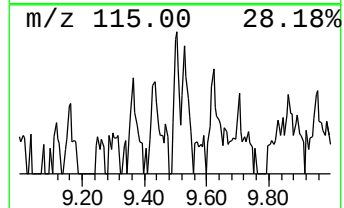
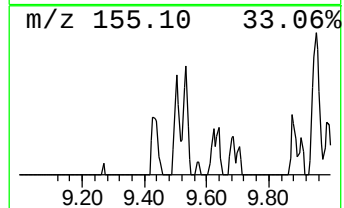
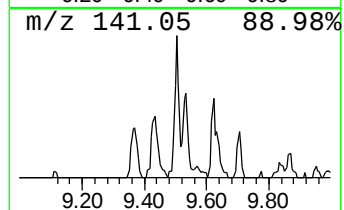
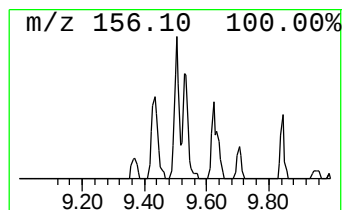
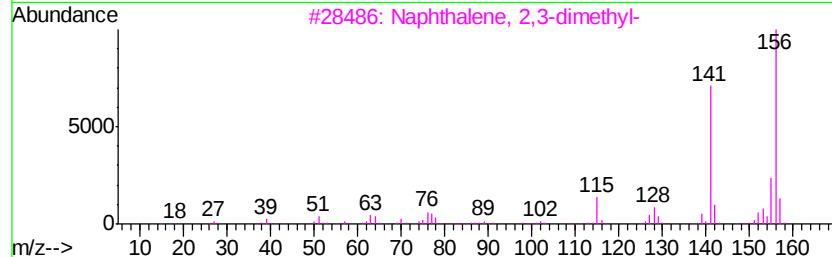
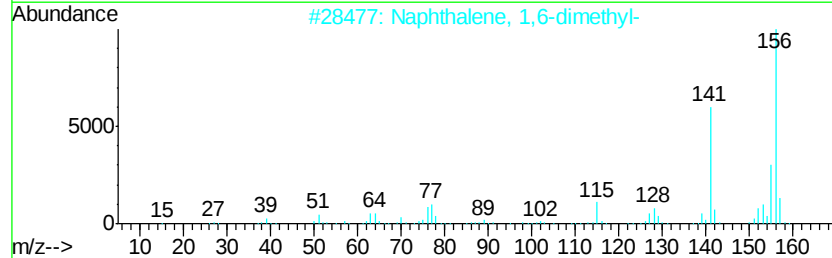
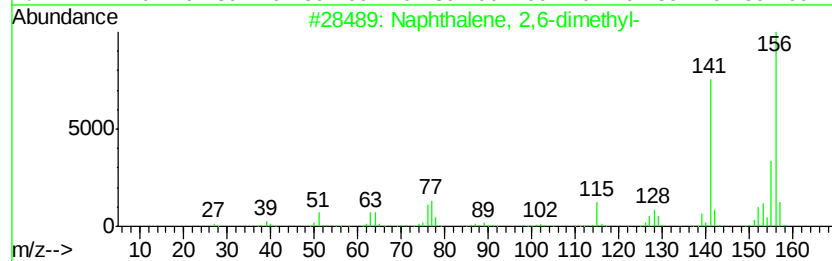
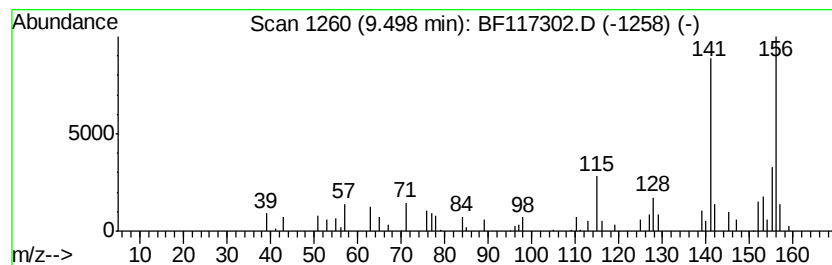
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	3.38 ng	42735	Acenaphthene-d10	9.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
Acq On : 2 Oct 2019 16:26
Operator : JU
Sample : K5148-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-100119

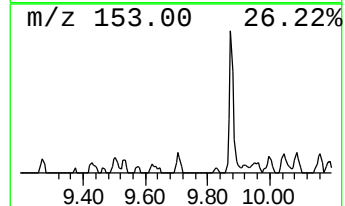
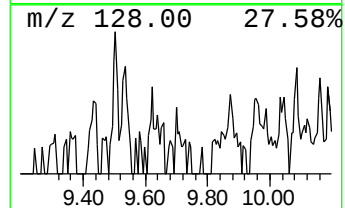
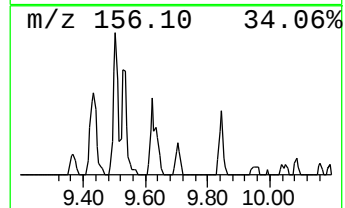
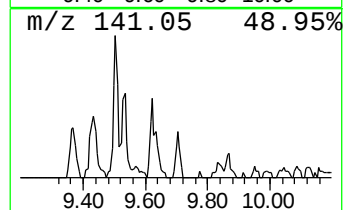
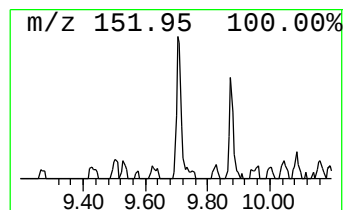
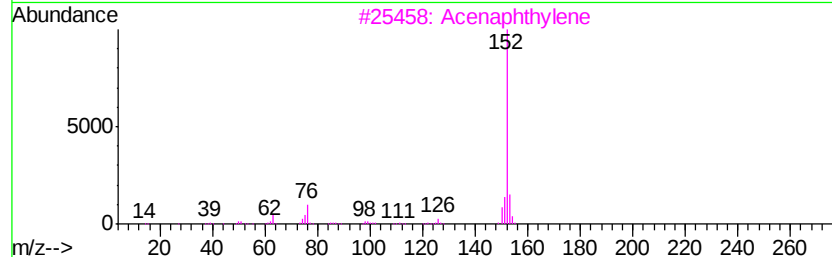
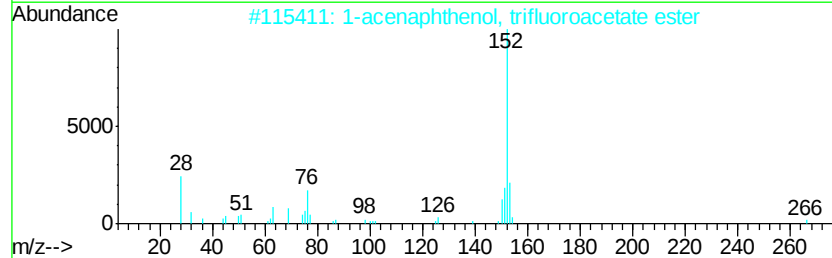
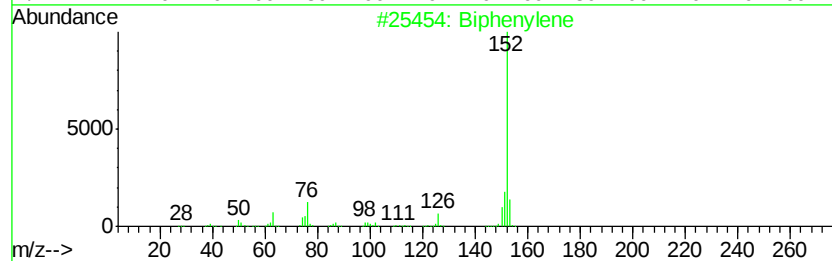
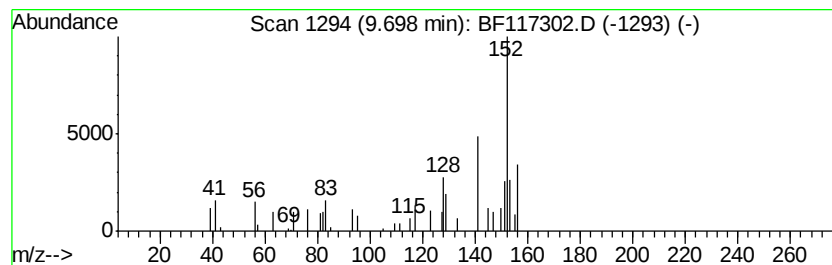
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Biphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	3.04 ng	38465	Acenaphthene-d10	9.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene		152	C12H8	000259-79-0	53
2	1-acenaphthenol, trifluoroacetat...		266	C14H9F3O2	1000376-45-2	50
3	Acenaphthylene		152	C12H8	000208-96-8	47
4	Benzaldehyde, 2-hydroxy-3-methoxy-		152	C8H8O3	000148-53-8	43
5	Bicyclo(3.3.1)nonane-2,6-dione		152	C9H12O2	016473-11-3	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
Acq On : 2 Oct 2019 16:26
Operator : JU
Sample : K5148-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

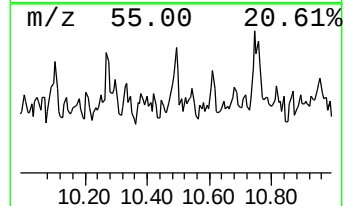
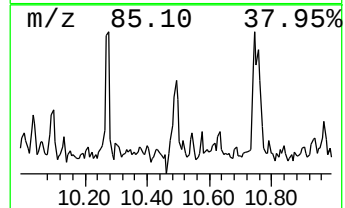
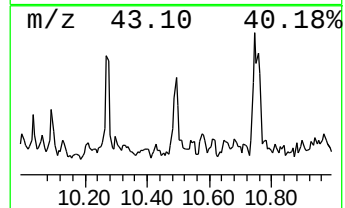
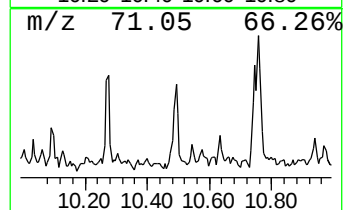
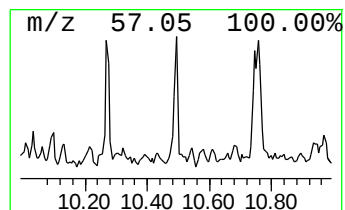
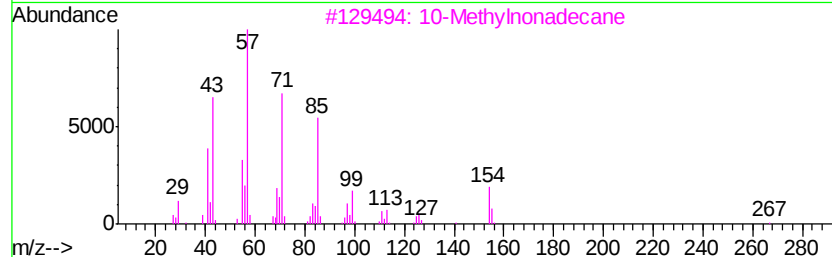
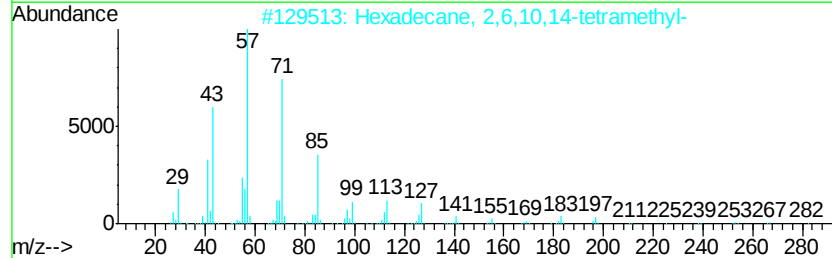
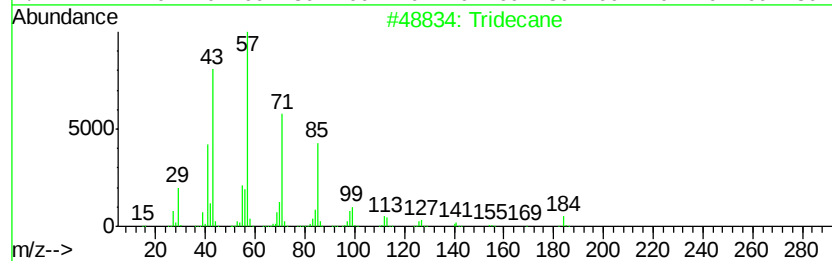
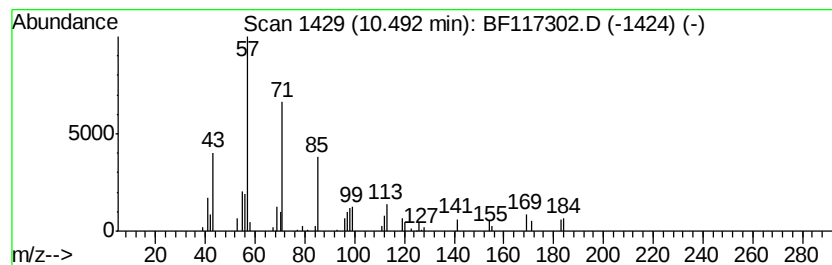
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.49	4.09 ng	51836	Acenaphthene-d10		9.85	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	87
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
3		10-Methylnonadecane	282	C20H42	056862-62-5	80
4		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	76
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
Acq On : 2 Oct 2019 16:26
Operator : JU
Sample : K5148-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

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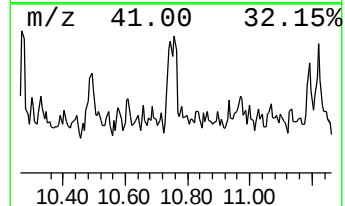
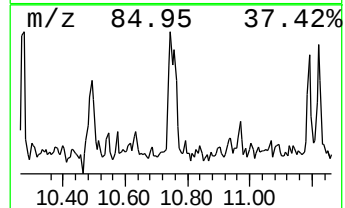
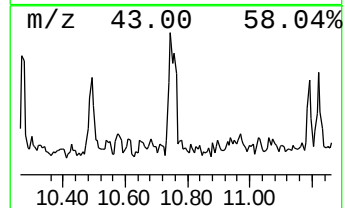
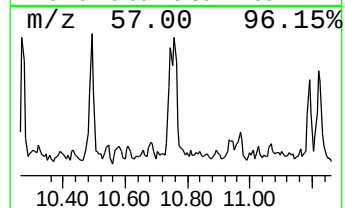
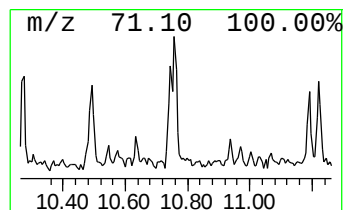
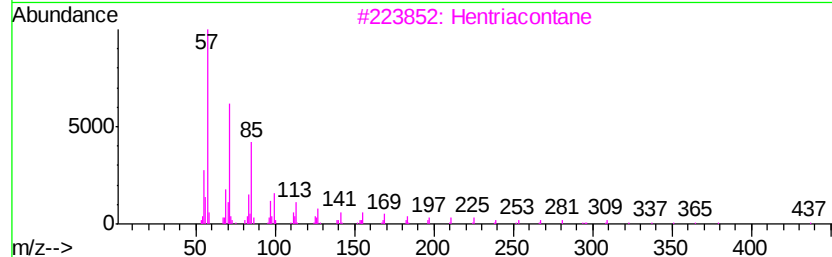
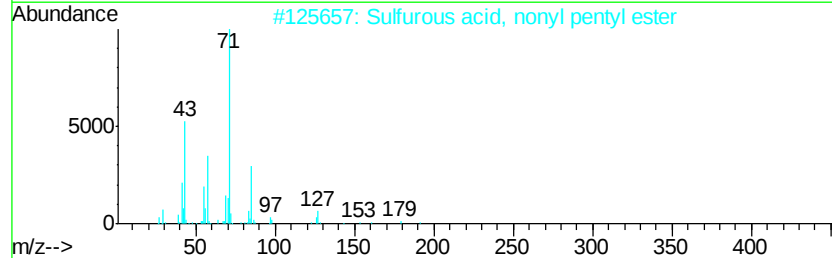
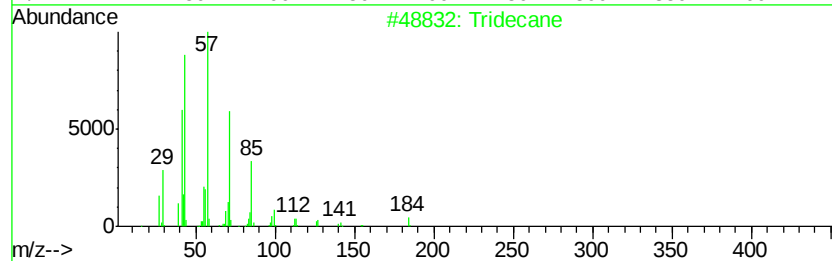
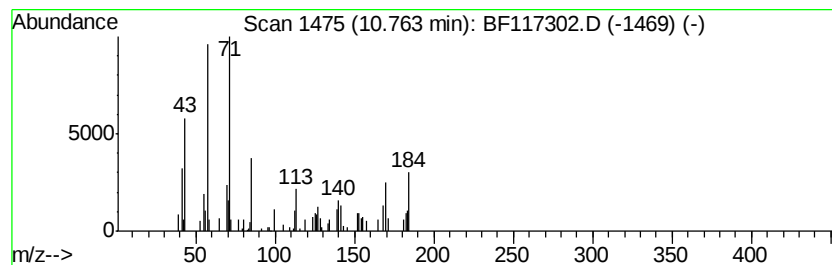
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown10.76 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	6.55 ng	83748	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	49
2			Sulfurous acid, nonyl pentyl ester	278	C14H30O3S	1000309-14-2	49
3			Hentriacontane	437	C31H64	000630-04-6	47
4			Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	46
5			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
Acq On : 2 Oct 2019 16:26
Operator : JU
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Misc :
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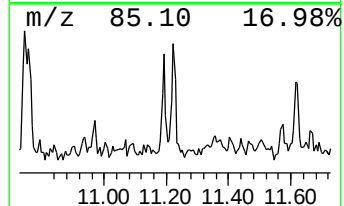
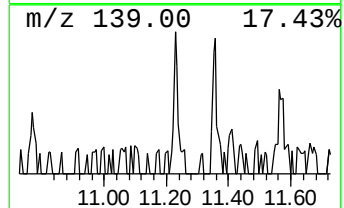
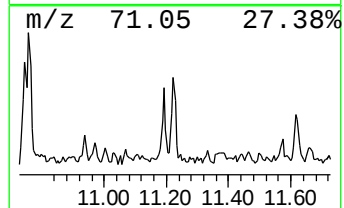
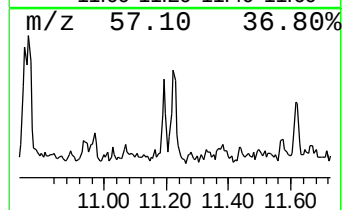
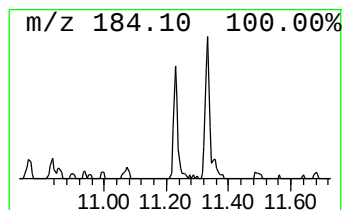
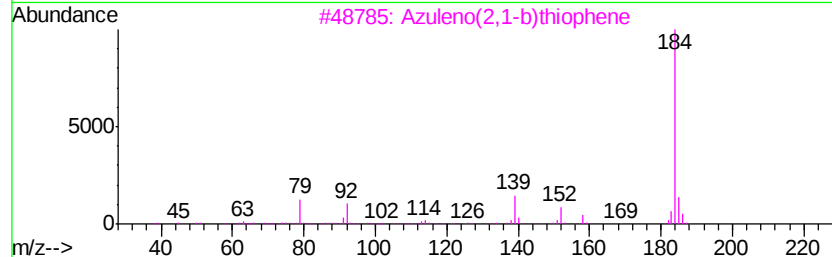
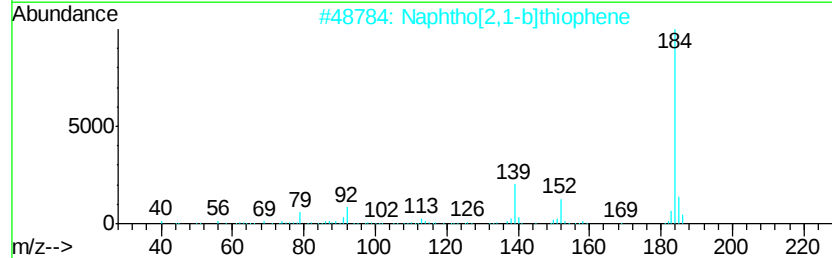
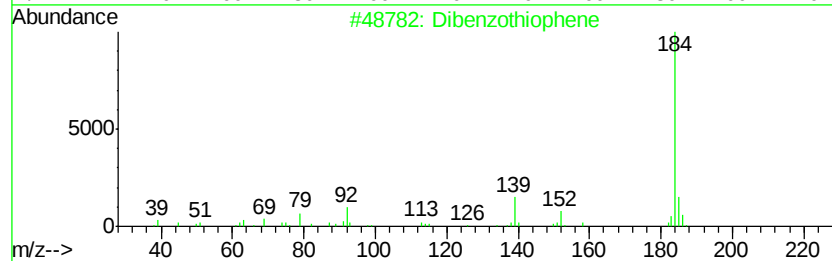
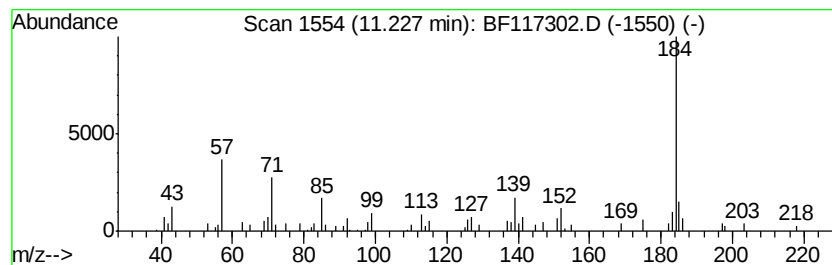
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.23	4.87 ng	62254	Phenanthrene-d10		11.33	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	70
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	70
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	70
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	64
5		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
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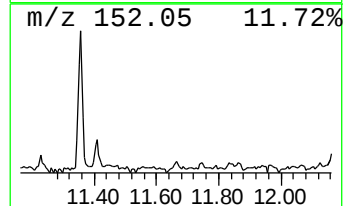
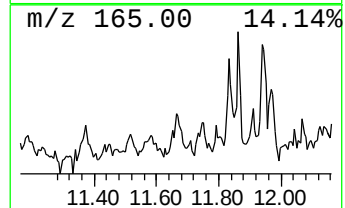
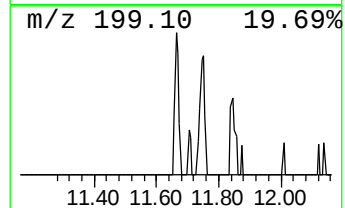
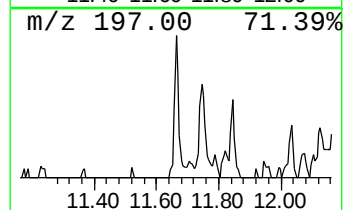
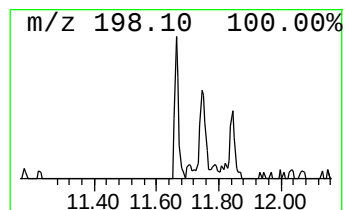
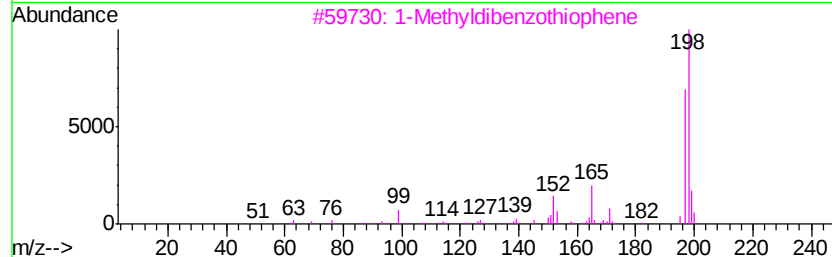
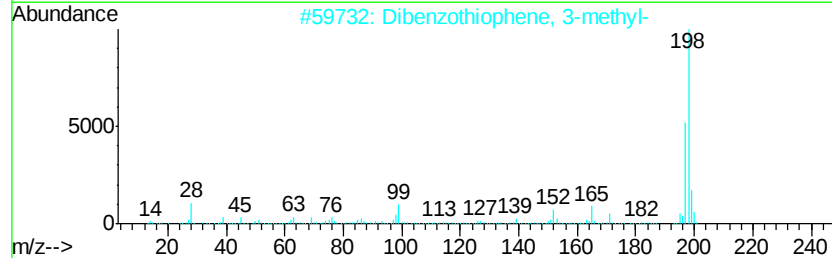
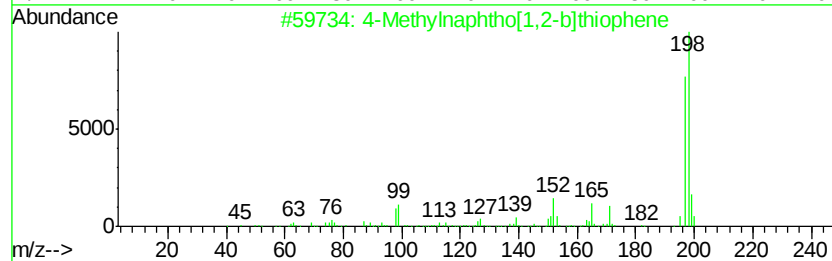
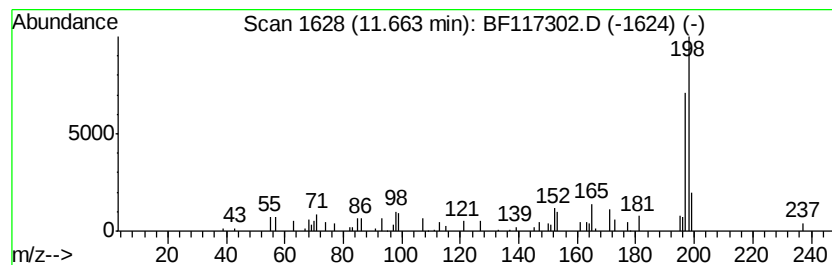
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.66	3.19 ng	40813	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
Acq On : 2 Oct 2019 16:26
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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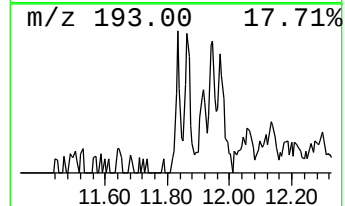
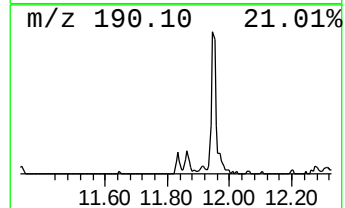
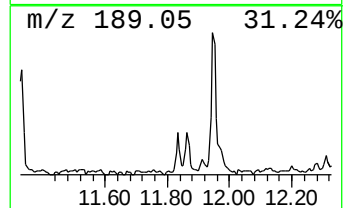
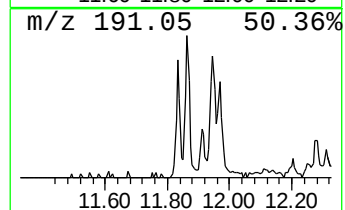
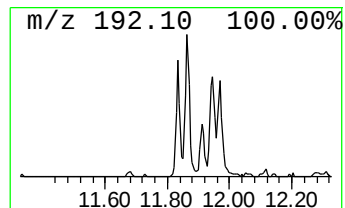
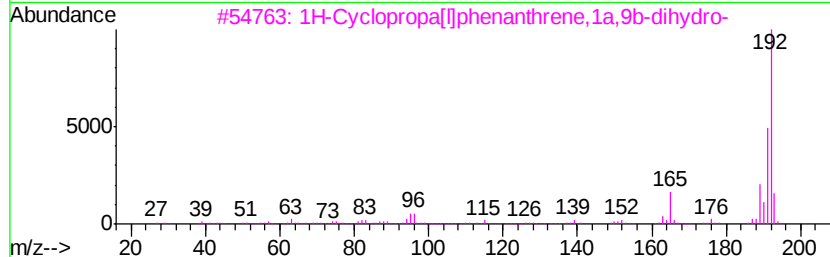
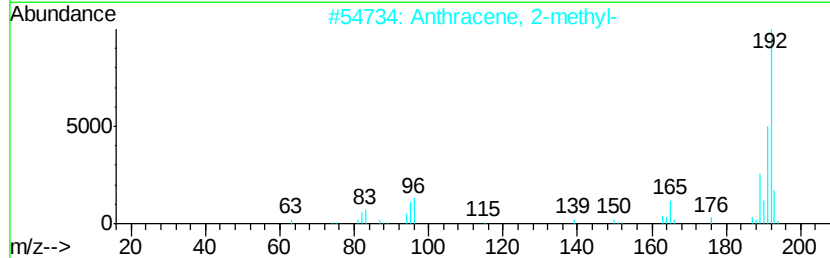
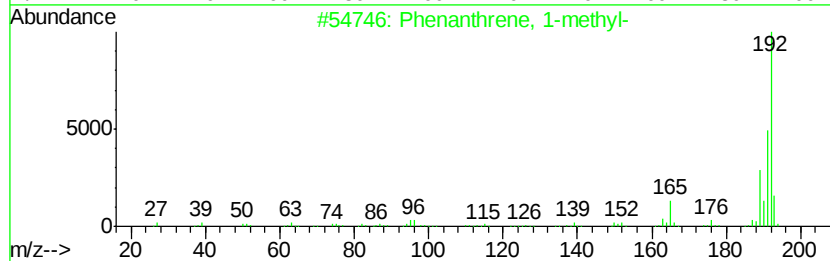
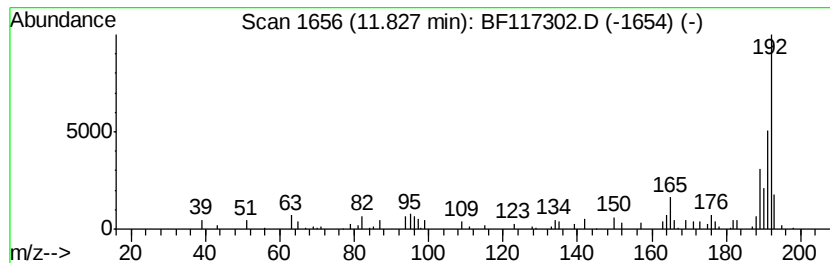
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	4.53 ng	57825	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89
5			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
Acq On : 2 Oct 2019 16:26
Operator : JU
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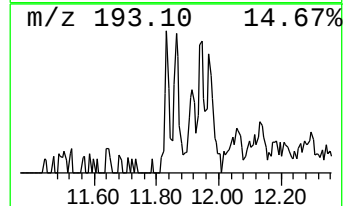
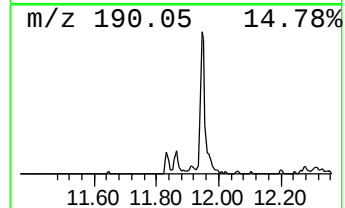
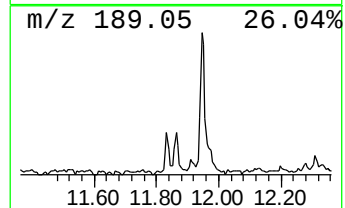
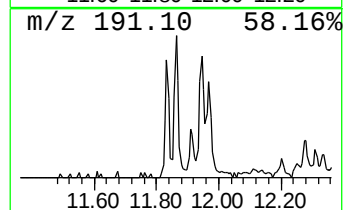
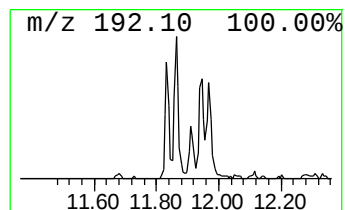
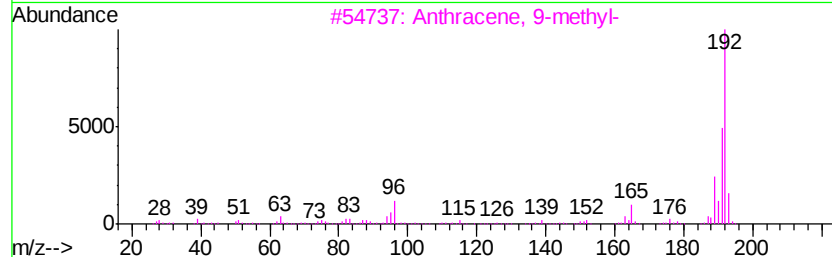
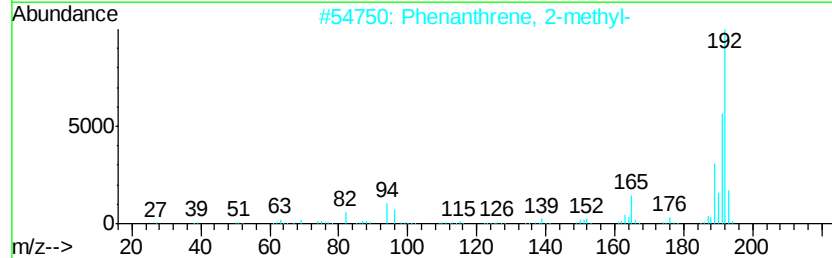
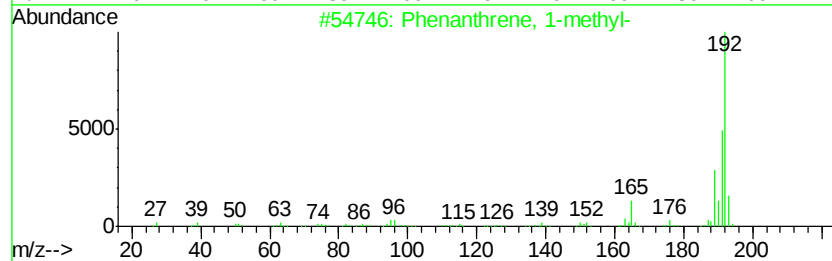
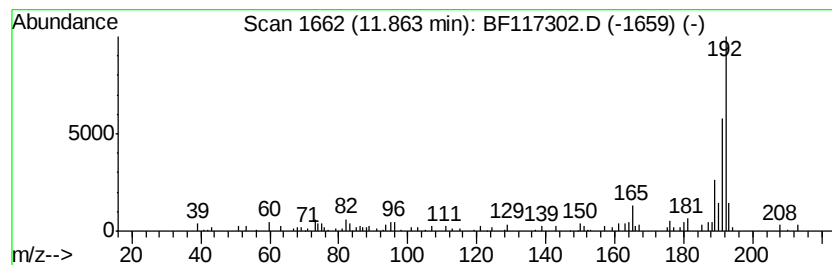
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.86	7.38 ng	94273	Phenanthrene-d10		11.33
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
Acq On : 2 Oct 2019 16:26
Operator : JU
Sample : K5148-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-100119

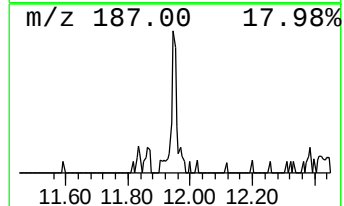
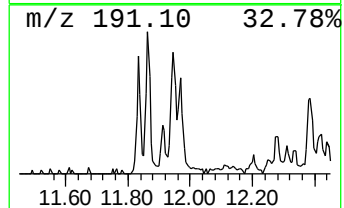
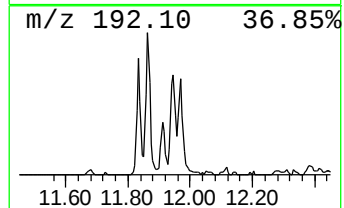
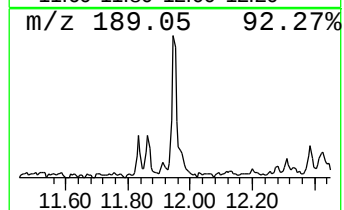
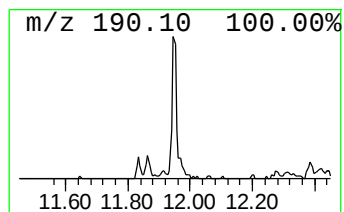
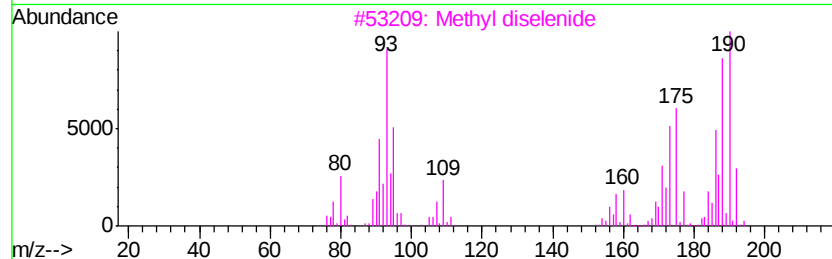
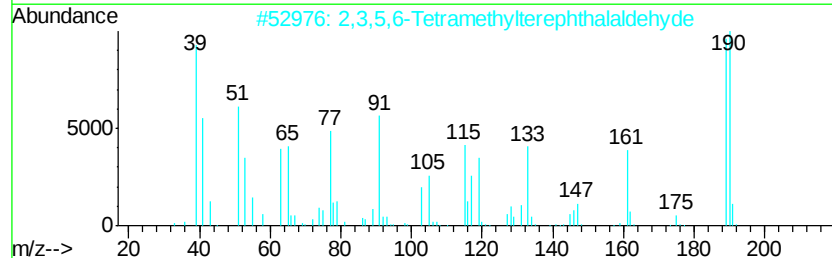
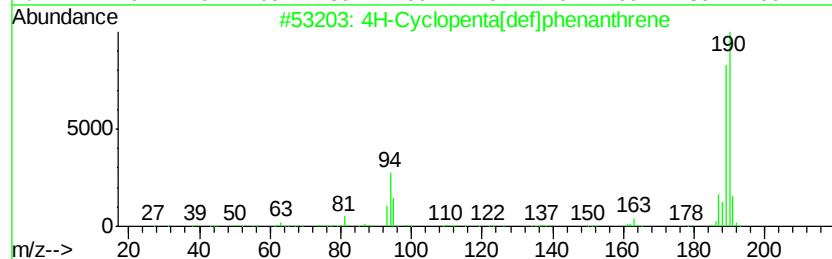
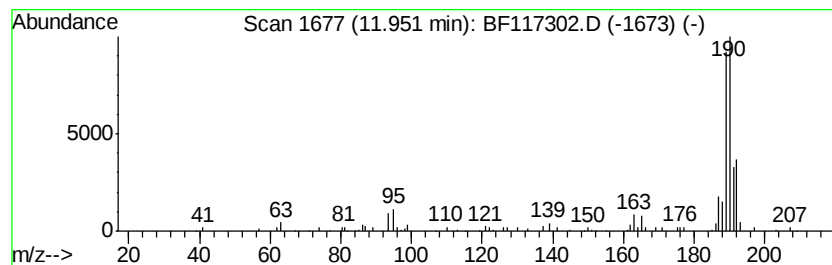
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	8.52 ng	108848	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2			2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	45
3			Methyl diselenide	190	C2H6Se2	007101-31-7	38
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	22
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
Acq On : 2 Oct 2019 16:26
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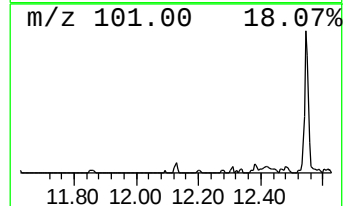
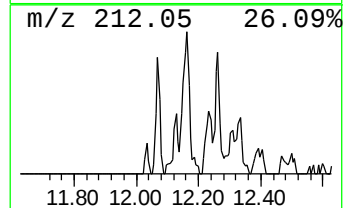
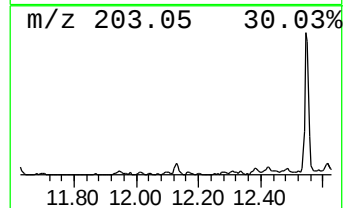
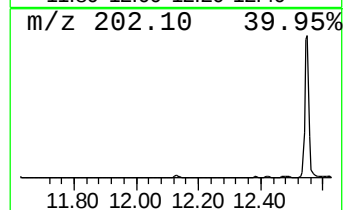
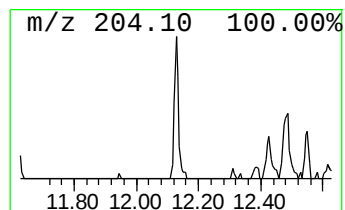
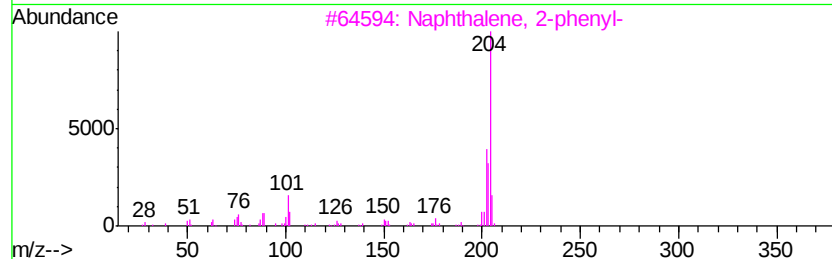
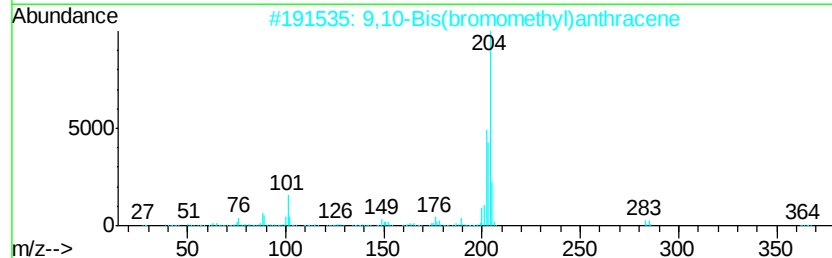
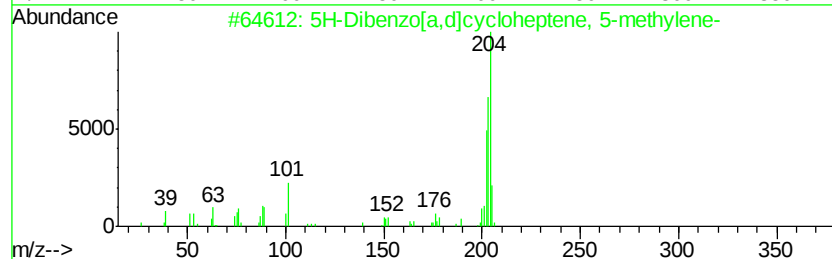
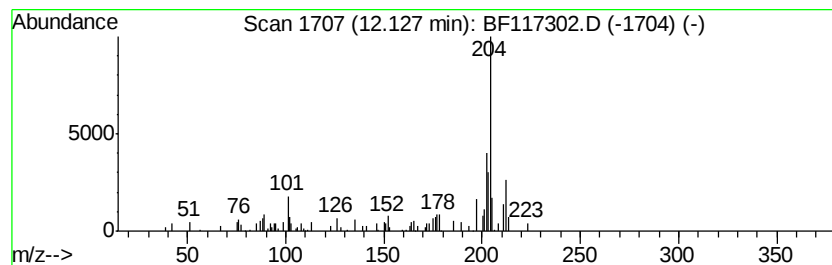
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 5H-Dibenzo[a,d]cycloheptene... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.01 ng	38439	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	60
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	59
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
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Operator : JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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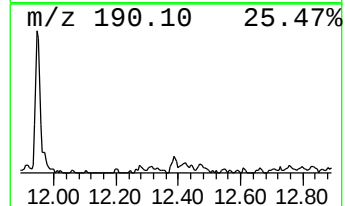
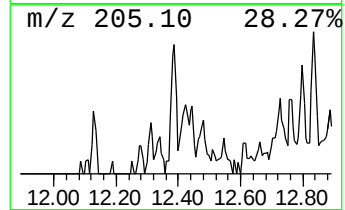
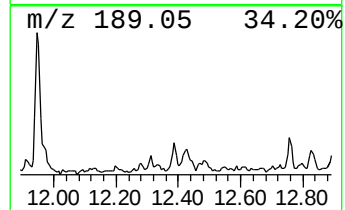
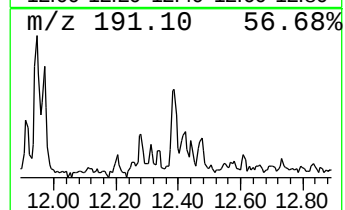
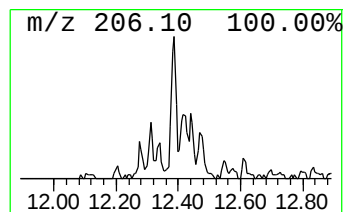
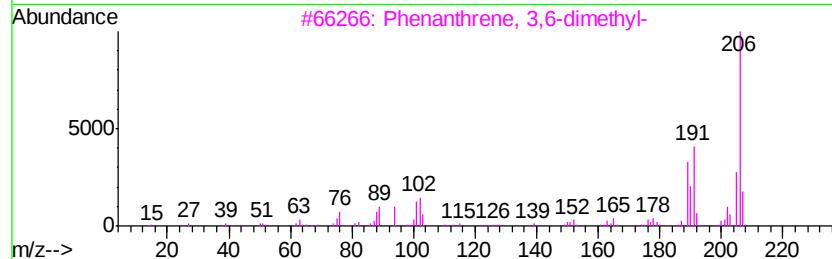
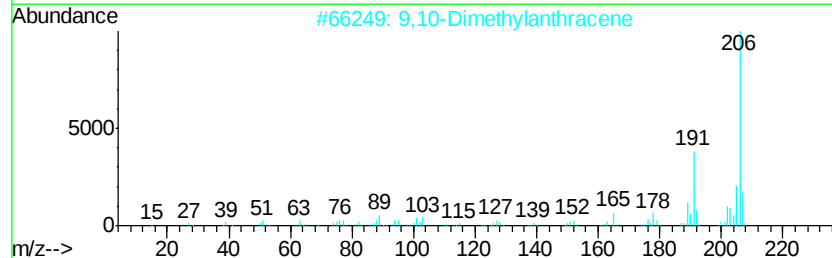
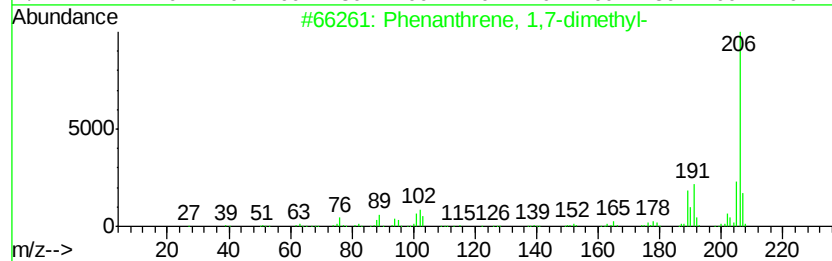
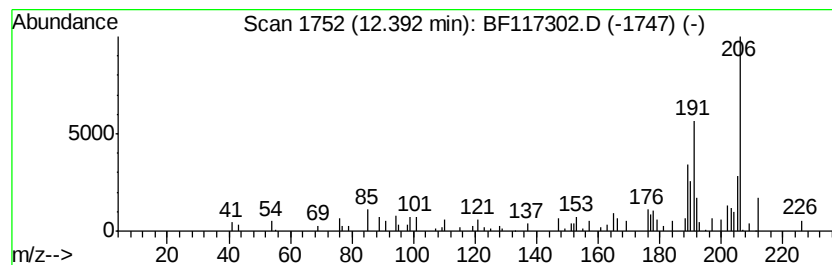
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	4.58 ng	58462	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	90
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
Acq On : 2 Oct 2019 16:26
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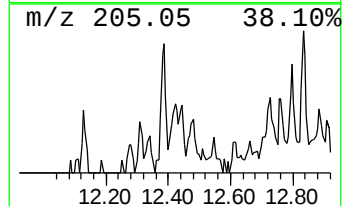
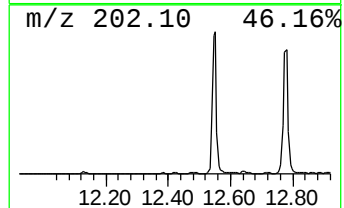
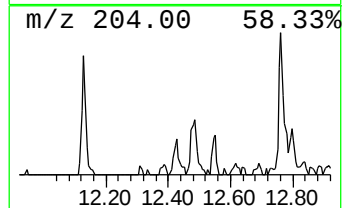
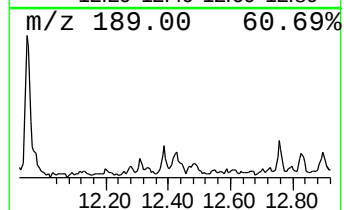
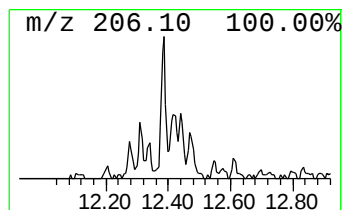
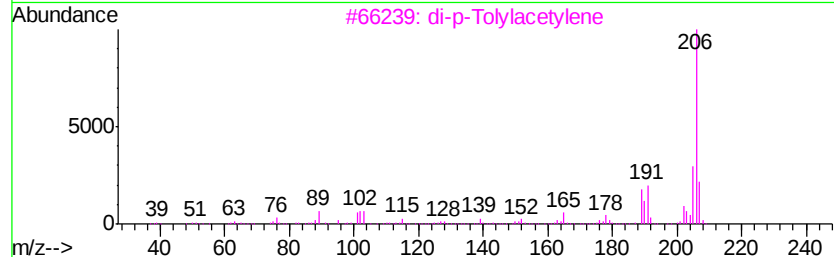
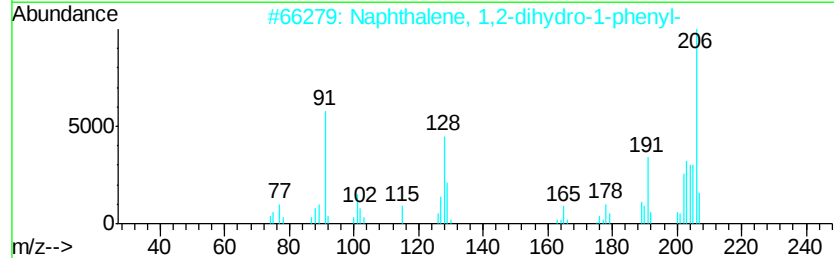
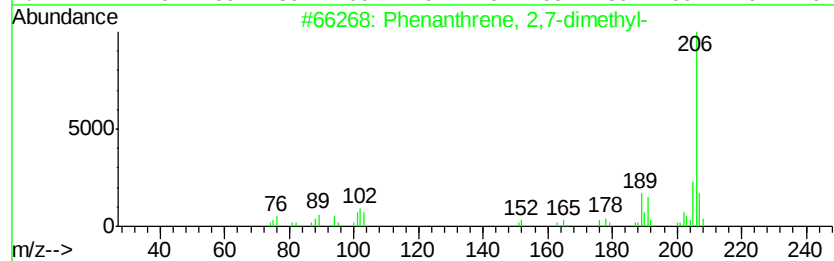
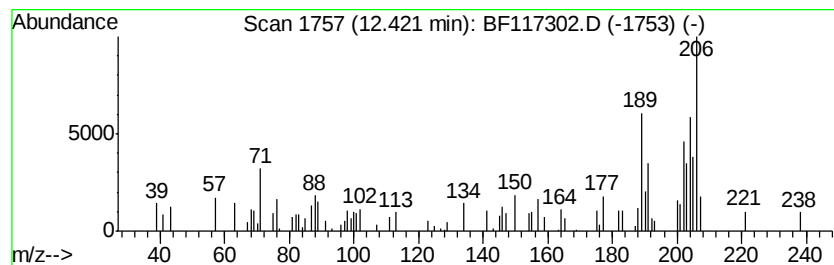
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.61 ng	46170	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
2			Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	43
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	41
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	38
5			3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
Acq On : 2 Oct 2019 16:26
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-100119

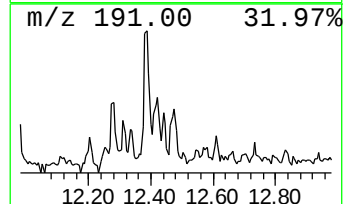
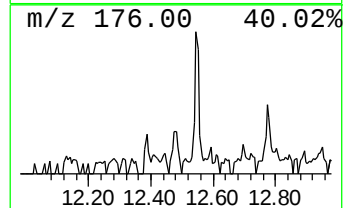
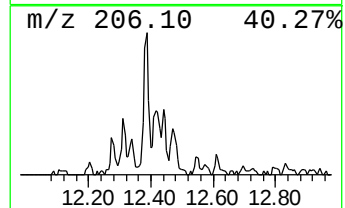
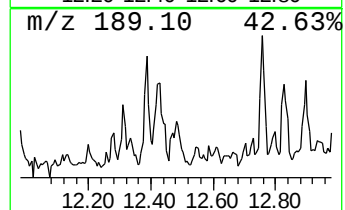
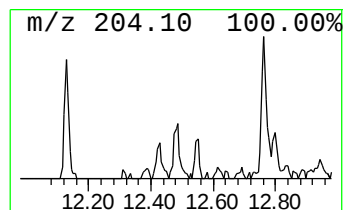
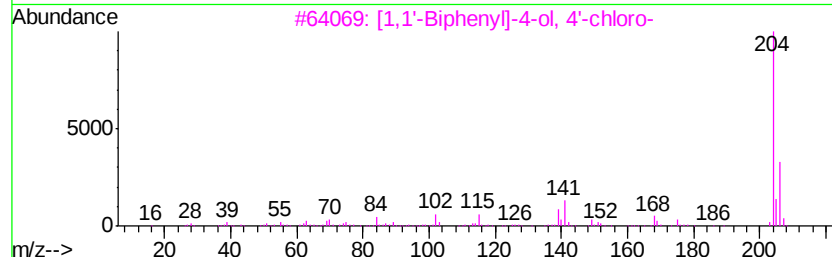
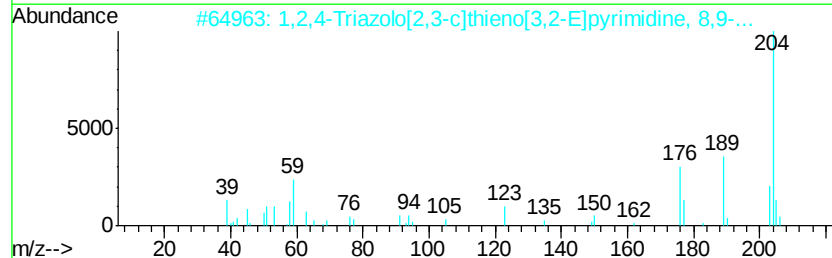
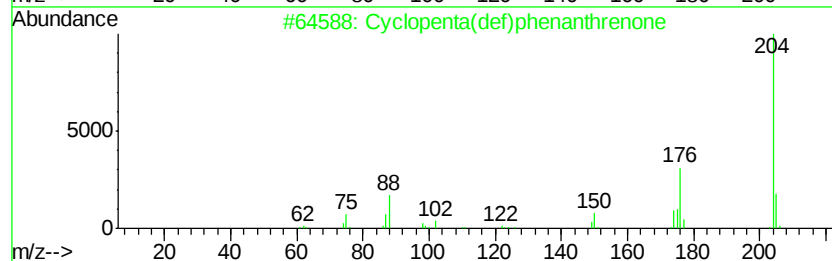
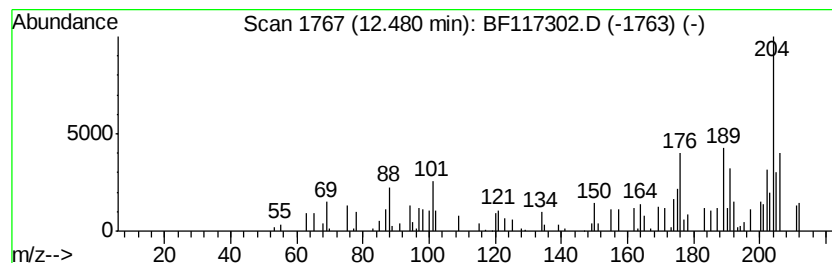
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown12.48 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	2.97 ng	37996	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	41
2		1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	40
3		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35
4		4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	35
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
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Acq On : 2 Oct 2019 16:26
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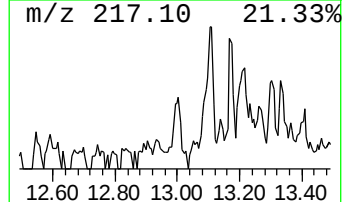
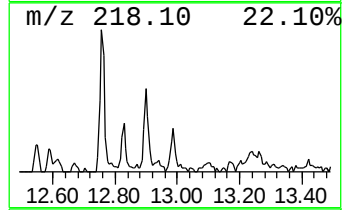
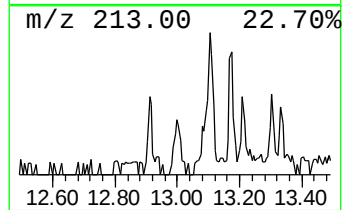
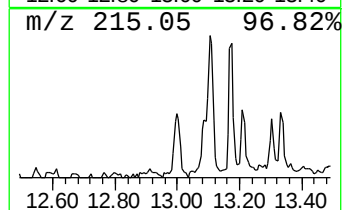
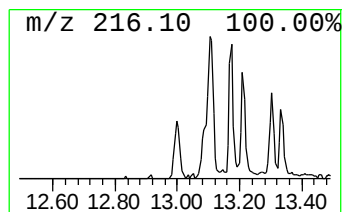
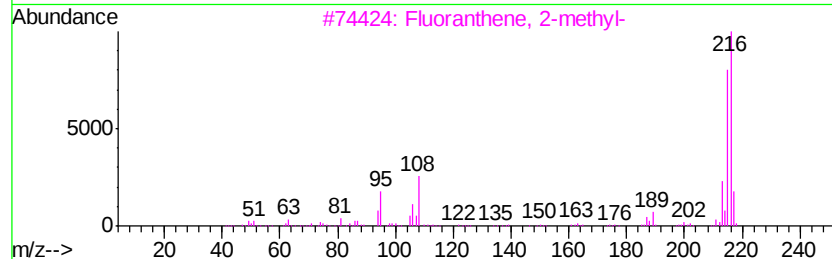
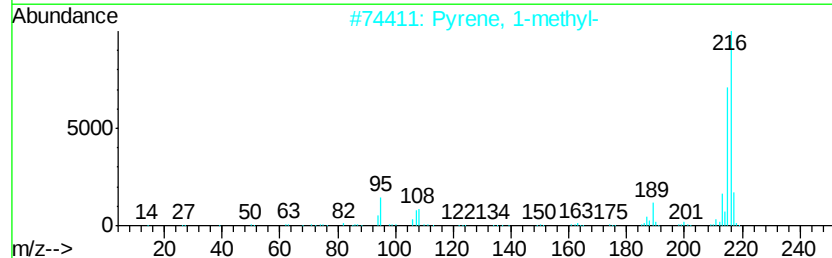
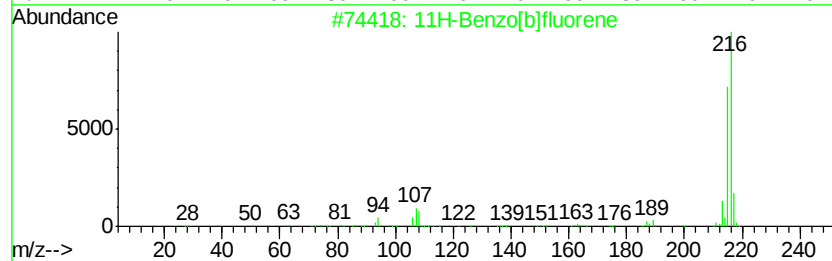
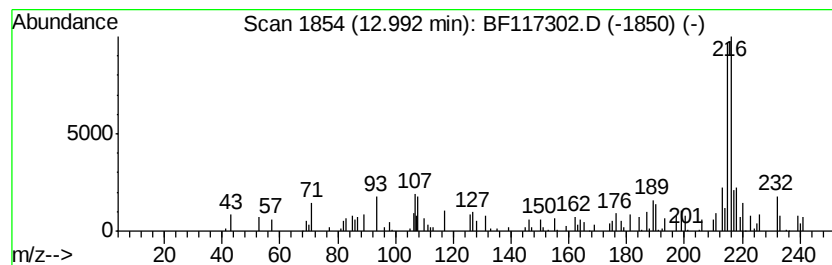
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	4.08 ng	79916	Chrysene-d12	13.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53
5			Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
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Sample : K5148-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-100119

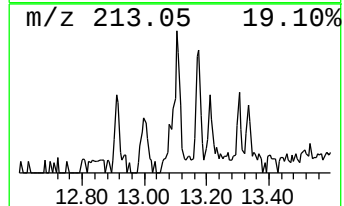
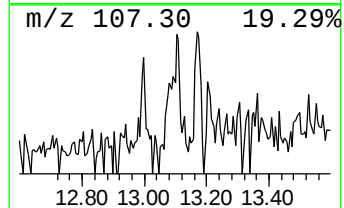
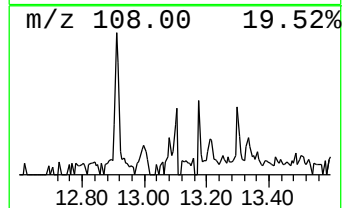
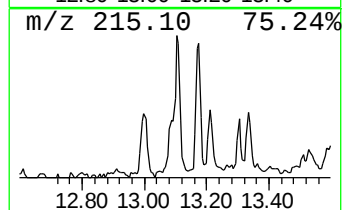
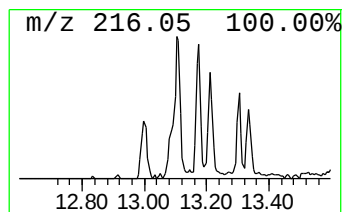
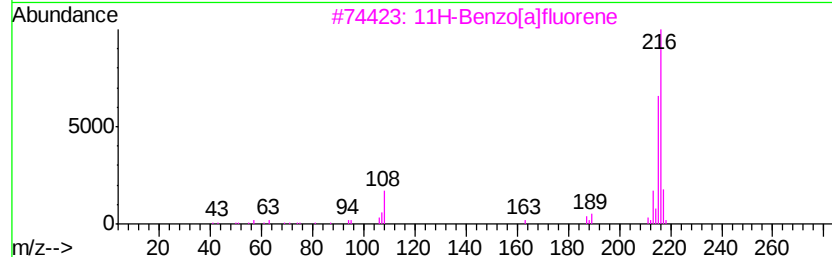
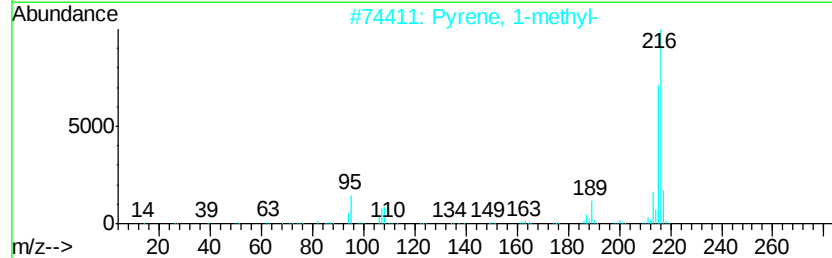
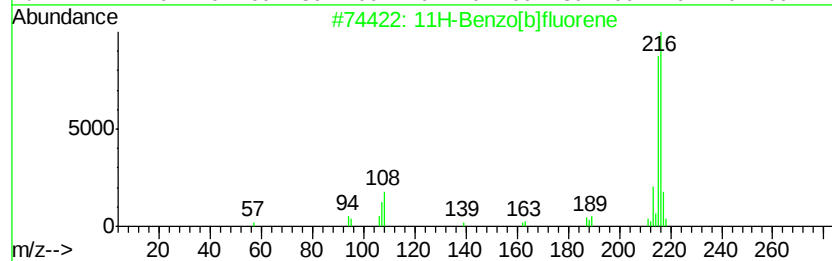
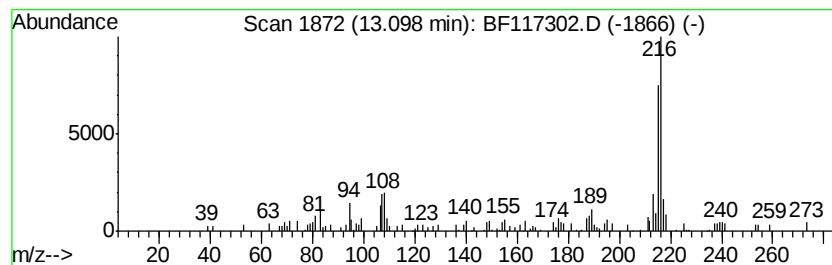
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	5.93 ng	116146	Chrysene-d12	13.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
Acq On : 2 Oct 2019 16:26
Operator : JU
Sample : K5148-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-100119

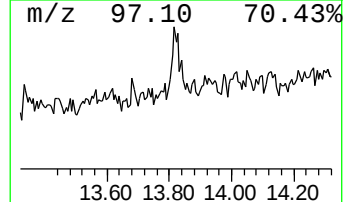
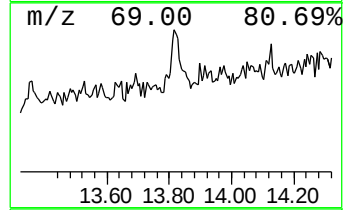
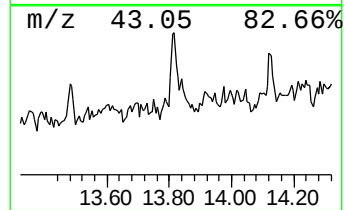
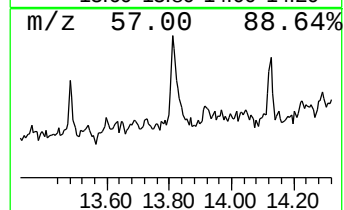
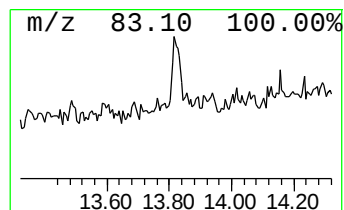
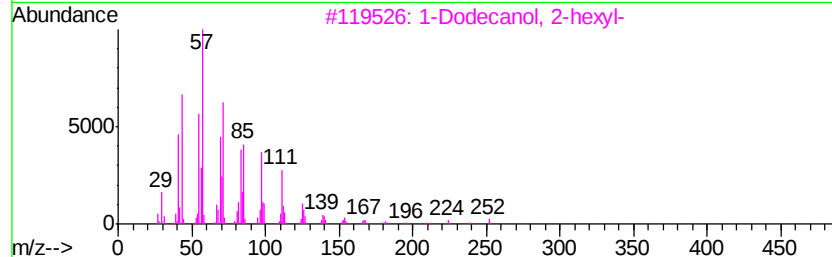
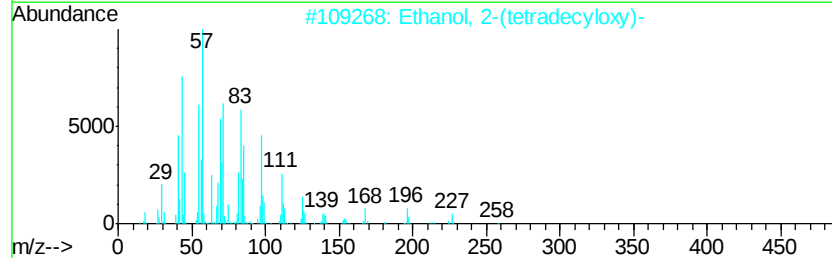
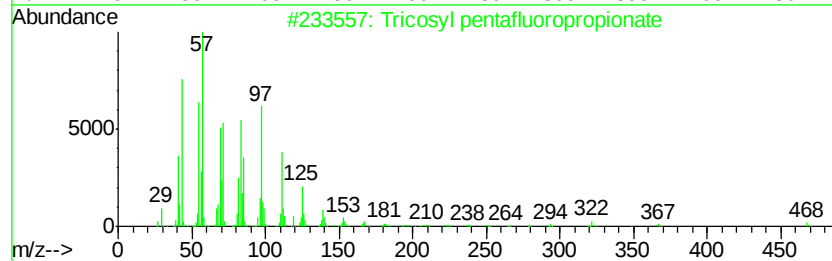
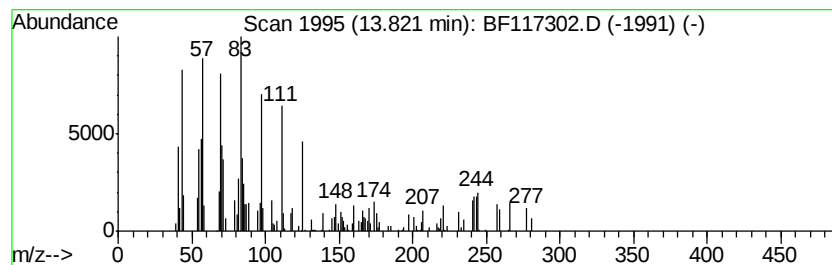
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tricosyl pentafluoropropionate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.83 ng	75040	Chrysene-d12	13.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	74
2		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	74
3		1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	72
4		Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	72
5		Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117302.D
Acq On : 2 Oct 2019 16:26
Operator : JU
Sample : K5148-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-100119

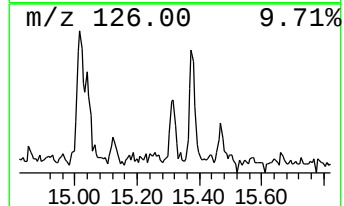
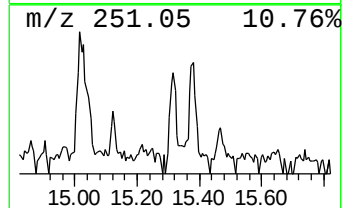
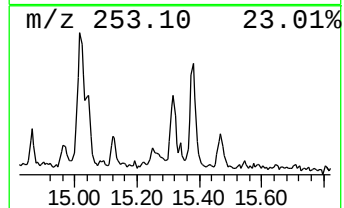
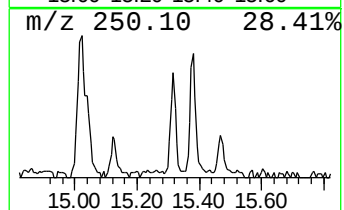
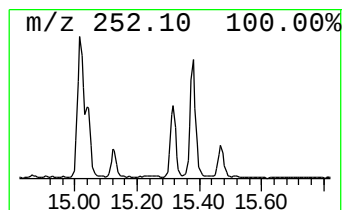
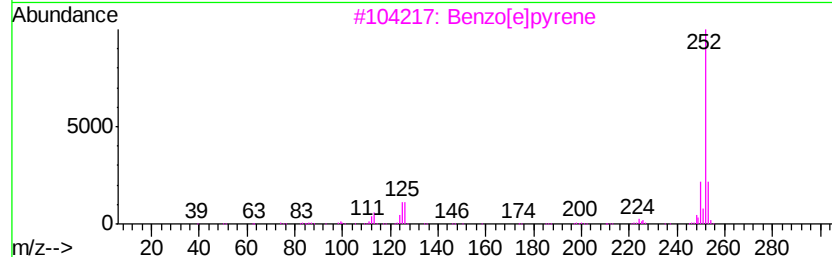
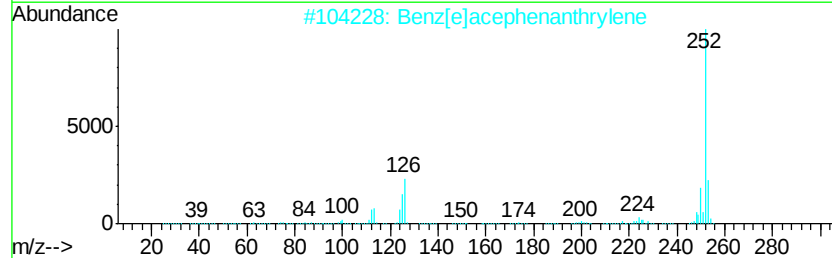
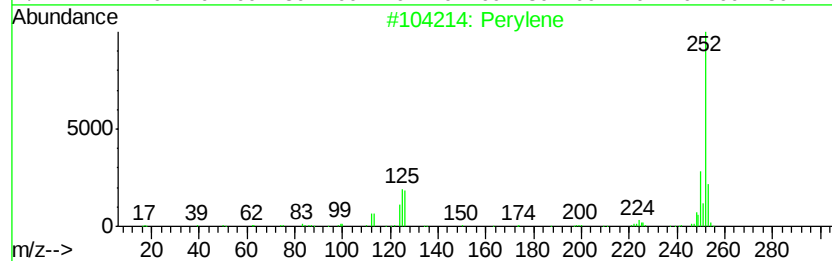
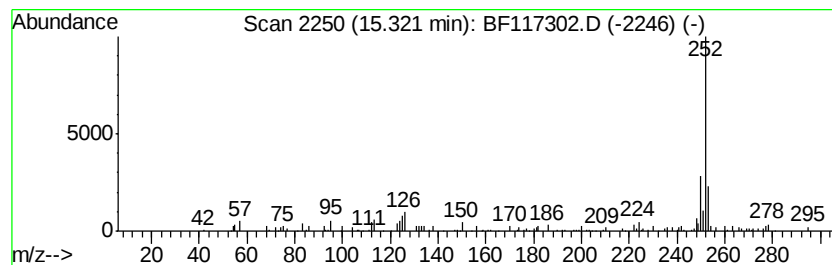
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	9.87 ng	82607	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	93
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[e]pyrene	252	C20H12	000192-97-2	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	91
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100219\
 Data File : BF117302.D
 Acq On : 2 Oct 2019 16:26
 Operator : JU
 Sample : K5148-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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
unknown6.58	6.58	47.4	ng	310695	1	6.80	131090	20.0
1-Octadecanesulph...	9.25	3.6	ng	45993	3	9.85	253194	20.0
Naphthalene, 2,6-...	9.50	3.4	ng	42735	3	9.85	253194	20.0
Biphenylene	9.70	3.0	ng	38465	3	9.85	253194	20.0
Tridecane	10.49	4.1	ng	51836	3	9.85	253194	20.0
unknown10.76	10.76	6.5	ng	83748	4	11.33	255554	20.0
Dibenzothiophene	11.23	4.9	ng	62254	4	11.33	255554	20.0
4-Methylnaphtho[1...	11.66	3.2	ng	40813	4	11.33	255554	20.0
Phenanthrene, 1-m...	11.83	4.5	ng	57825	4	11.33	255554	20.0
Phenanthrene, 2-m...	11.86	7.4	ng	94273	4	11.33	255554	20.0
4H-Cyclopenta[def...	11.95	8.5	ng	108848	4	11.33	255554	20.0
5H-Dibenzo[a,d]cy...	12.13	3.0	ng	38439	4	11.33	255554	20.0
Phenanthrene, 1,7...	12.39	4.6	ng	58462	4	11.33	255554	20.0
Phenanthrene, 2,7...	12.42	3.6	ng	46170	4	11.33	255554	20.0
unknown12.48	12.48	3.0	ng	37996	4	11.33	255554	20.0
11H-Benzo[b]fluorene	12.99	4.1	ng	79916	5	13.98	391834	20.0
Pyrene, 1-methyl-	13.10	5.9	ng	116146	5	13.98	391834	20.0
Tricosyl pentaflu...	13.82	3.8	ng	75040	5	13.98	391834	20.0
Perylene	15.32	9.9	ng	82607	6	15.44	167458	20.0