

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
 Data File : BF112784.D
 Acq On : 1 Mar 2019 1:49
 Operator : JU/SJ
 Sample : K1650-16 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-8(3.5-4.5)

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-BF022719.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	5.340	549	553	565	rBV	825303	852603	41.56%	3.078%
2	6.363	724	727	739	rBV	992500	901030	43.92%	3.253%
3	6.504	748	751	755	rBV	1016542	913174	44.51%	3.297%
4	6.745	788	792	795	rBV	1196323	1082391	52.76%	3.908%
5	6.898	814	818	822	rBV	875465	711404	34.68%	2.569%
6	7.298	882	886	894	rBV	568021	524081	25.55%	1.892%
7	8.022	1005	1009	1029	rBV	1500098	1446742	70.52%	5.224%
8	8.739	1127	1131	1136	rBV	62042	61568	3.00%	0.222%
9	8.834	1143	1147	1155	rVB	63775	57534	2.80%	0.208%
10	9.098	1188	1192	1202	rBV	1055549	919310	44.81%	3.319%
11	9.357	1232	1236	1241	rBV	29878	41707	2.03%	0.151%
12	9.434	1244	1249	1251	rBV	60494	57955	2.83%	0.209%
13	9.463	1251	1254	1256	rVB	33775	30096	1.47%	0.109%
14	9.486	1256	1258	1262	rVB	44043	37270	1.82%	0.135%
15	9.551	1266	1269	1273	rVB	25587	27195	1.33%	0.098%
16	9.633	1278	1283	1285	rVV2	33313	46243	2.25%	0.167%
17	9.669	1285	1289	1296	rVB3	25939	48963	2.39%	0.177%
18	9.769	1301	1306	1310	rVV	1345828	1301139	63.43%	4.698%
19	9.804	1310	1312	1315	rVV	303852	244374	11.91%	0.882%
20	9.928	1329	1333	1338	rVV	40624	43782	2.13%	0.158%
21	9.975	1338	1341	1346	rVV	171720	154582	7.54%	0.558%
22	10.181	1372	1376	1378	rBV3	20367	26883	1.31%	0.097%
23	10.316	1395	1399	1405	rVB	273329	234262	11.42%	0.846%
24	10.369	1405	1408	1409	rBV	32269	34090	1.66%	0.123%
25	10.381	1409	1410	1412	rVV	45300	32616	1.59%	0.118%
26	10.404	1412	1414	1416	rVB	47542	35688	1.74%	0.129%
27	10.475	1424	1426	1431	rVB	86470	74745	3.64%	0.270%
28	10.551	1435	1439	1444	rVV2	610654	580638	28.30%	2.097%
29	10.604	1444	1448	1452	rVB3	26041	34245	1.67%	0.124%
30	10.686	1456	1462	1464	rVB5	15914	25458	1.24%	0.092%
31	10.863	1485	1492	1495	rBV4	60927	110524	5.39%	0.399%
32	10.892	1495	1497	1500	rVV2	35274	29377	1.43%	0.106%
33	10.992	1509	1514	1516	rBV3	44376	53704	2.62%	0.194%
34	11.010	1516	1517	1520	rVV	40388	36905	1.80%	0.133%

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35	11.051	1521	1524	1529	rVB	85443	91045	4.44%	0.329%
36	11.110	1529	1534	1536	rBV2	54456	78878	3.85%	0.285%
37	11.145	1537	1540	1543	rVB	106052	84099	4.10%	0.304%
38	11.251	1554	1558	1560	rBV	1258181	1254872	61.17%	4.531%
39	11.275	1560	1562	1565	rVV	1590666	1211988	59.08%	4.376%
40	11.322	1565	1570	1573	rVV	462523	434219	21.17%	1.568%
41	11.357	1573	1576	1580	rVB3	43943	47020	2.29%	0.170%
42	11.475	1590	1596	1599	rBV2	229617	246125	12.00%	0.889%
43	11.580	1611	1614	1617	rVB4	41193	35583	1.73%	0.128%
44	11.663	1625	1628	1632	rVB	24044	26079	1.27%	0.094%
45	11.751	1637	1643	1645	rBV	227017	219740	10.71%	0.793%
46	11.780	1645	1648	1652	rVB	353399	366481	17.87%	1.323%
47	11.822	1652	1655	1658	rVB	149731	130594	6.37%	0.472%
48	11.857	1658	1661	1664	rBV	283596	334836	16.32%	1.209%
49	11.880	1664	1665	1668	rVB	159433	114930	5.60%	0.415%
50	11.922	1668	1672	1674	rBV2	34286	31203	1.52%	0.113%
51	11.951	1674	1677	1681	rVB2	36627	37255	1.82%	0.135%
52	12.045	1690	1693	1695	rBV	144281	132612	6.46%	0.479%
53	12.063	1695	1696	1699	rVB	88598	50433	2.46%	0.182%
54	12.192	1713	1718	1721	rBV2	66295	75635	3.69%	0.273%
55	12.245	1725	1727	1729	rVB2	51646	38800	1.89%	0.140%
56	12.298	1729	1736	1739	rBV	115107	137156	6.69%	0.495%
57	12.333	1739	1742	1744	rBV3	63053	66418	3.24%	0.240%
58	12.380	1747	1750	1755	rVB4	69949	103997	5.07%	0.376%
59	12.457	1759	1763	1767	rVB	1233983	1049843	51.18%	3.791%
60	12.522	1767	1774	1780	rBV3	39583	85360	4.16%	0.308%
61	12.569	1780	1782	1783	rBV	47243	38770	1.89%	0.140%
62	12.680	1796	1801	1804	rBV2	1062643	1194141	58.21%	4.312%
63	12.704	1804	1805	1808	rVV	96410	88703	4.32%	0.320%
64	12.733	1808	1810	1817	rVB2	85215	110326	5.38%	0.398%
65	12.804	1819	1822	1823	rBV	91753	78449	3.82%	0.283%
66	12.827	1823	1826	1833	rVB	1006068	894701	43.61%	3.231%
67	12.904	1833	1839	1841	rBV2	109374	175872	8.57%	0.635%
68	12.927	1841	1843	1846	rVB	38819	32543	1.59%	0.118%
69	12.969	1846	1850	1851	rBV3	52836	66996	3.27%	0.242%
70	12.986	1851	1853	1855	rVV2	93697	103903	5.07%	0.375%
71	13.010	1855	1857	1860	rVB	220845	173627	8.46%	0.627%

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72	13.045	1860	1863	1865	rBV2	31520	36674	1.79%	0.132%
73	13.074	1865	1868	1871	rBV	147136	133165	6.49%	0.481%
74	13.110	1871	1874	1878	rVV	189741	212683	10.37%	0.768%
75	13.139	1878	1879	1882	rVV2	52725	46150	2.25%	0.167%
76	13.169	1882	1884	1887	rVV	44788	46723	2.28%	0.169%
77	13.204	1887	1890	1893	rVV	90818	79443	3.87%	0.287%
78	13.233	1893	1895	1900	rVV2	92200	92078	4.49%	0.332%
79	13.310	1905	1908	1912	rVV3	41228	46686	2.28%	0.169%
80	13.416	1918	1926	1928	rBV8	69706	168271	8.20%	0.608%
81	13.510	1939	1942	1948	rBV	107720	119520	5.83%	0.432%
82	13.621	1957	1961	1964	rBV2	121989	176579	8.61%	0.638%
83	13.651	1964	1966	1968	rVB	102859	71436	3.48%	0.258%
84	13.674	1968	1970	1971	rBV	38052	25917	1.26%	0.094%
85	13.716	1975	1977	1978	rBV	95672	71640	3.49%	0.259%
86	13.874	1999	2004	2007	rBV2	1668903	2051390	100.00%	7.407%
87	13.898	2007	2008	2011	rVB	538426	354688	17.29%	1.281%
88	13.980	2020	2022	2024	rVB	59446	41319	2.01%	0.149%
89	14.057	2033	2035	2038	rVB	112448	98294	4.79%	0.355%
90	14.092	2038	2041	2046	rBV3	107433	148711	7.25%	0.537%
91	14.221	2061	2063	2065	rBV	56808	56222	2.74%	0.203%
92	14.257	2066	2069	2073	rVV	178168	219418	10.70%	0.792%
93	14.292	2073	2075	2078	rVB	92181	80212	3.91%	0.290%
94	14.663	2135	2138	2144	rVB2	141393	190899	9.31%	0.689%
95	14.886	2171	2176	2178	rBV	383247	560951	27.34%	2.025%
96	14.980	2189	2192	2196	rBV	187932	182349	8.89%	0.658%
97	15.168	2220	2224	2229	rVB	222350	285360	13.91%	1.030%
98	15.221	2230	2233	2239	rVV	329256	361726	17.63%	1.306%
99	15.286	2239	2244	2247	rVV	1057258	1284577	62.62%	4.638%
100	15.339	2250	2253	2259	rVB2	139125	196837	9.60%	0.711%

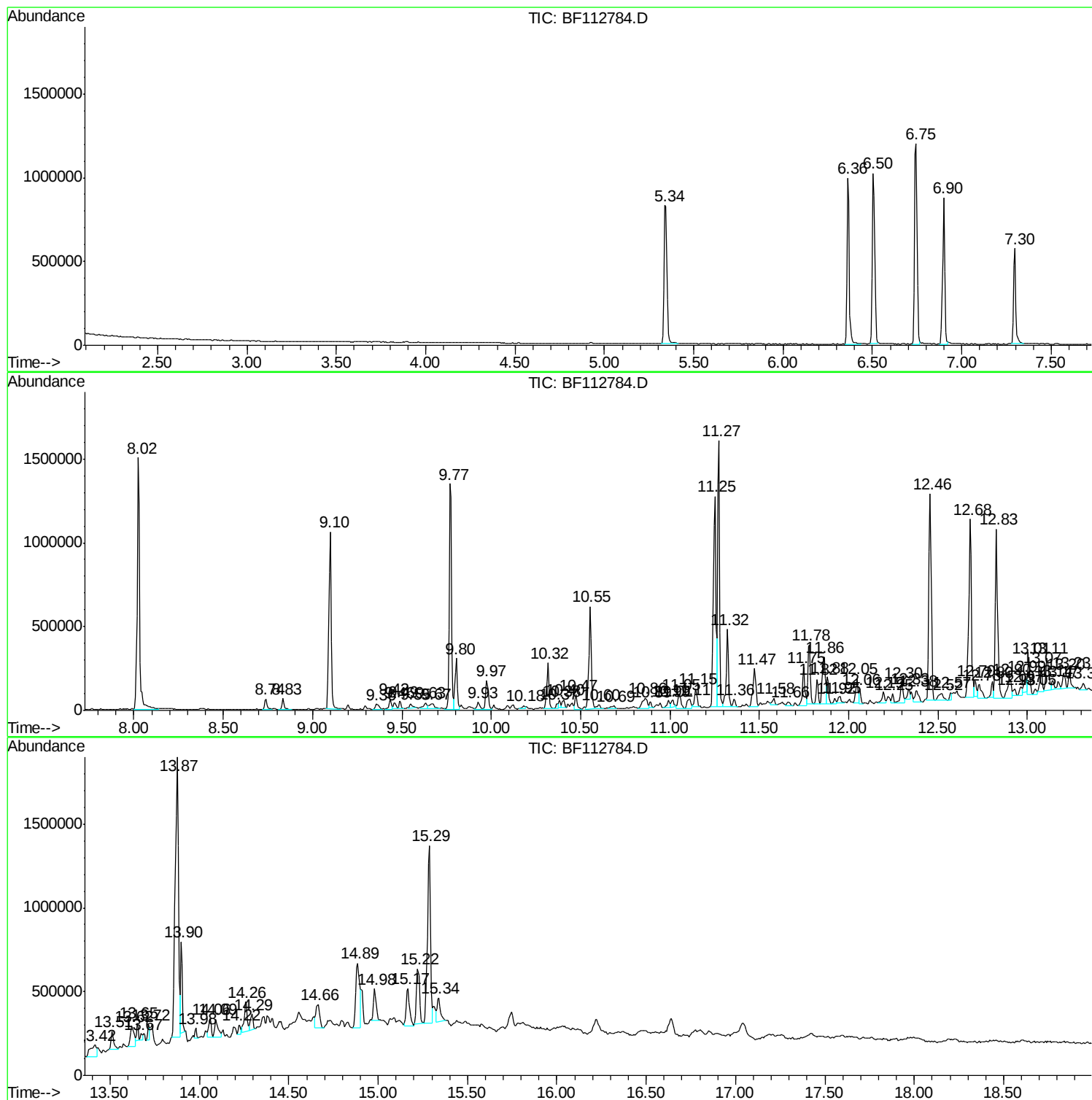
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Instrument :
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B-8(3.5-4.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.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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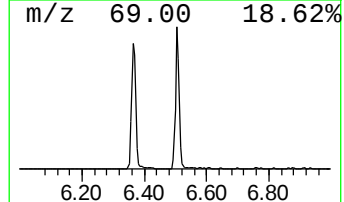
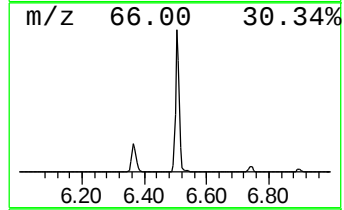
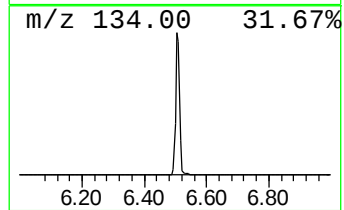
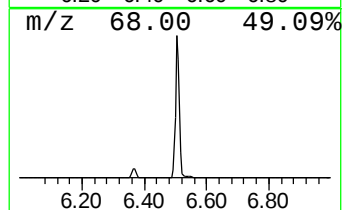
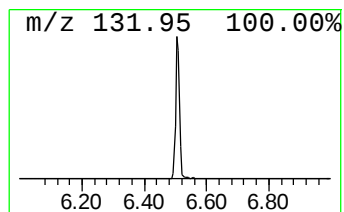
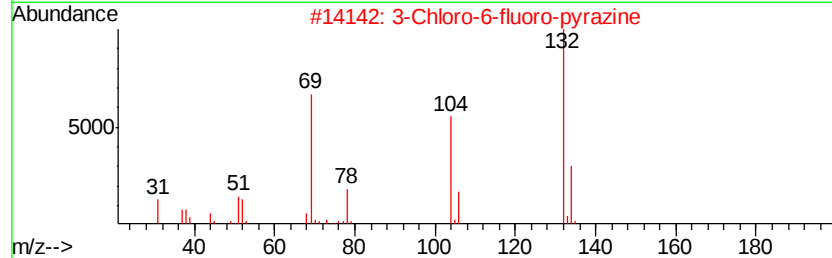
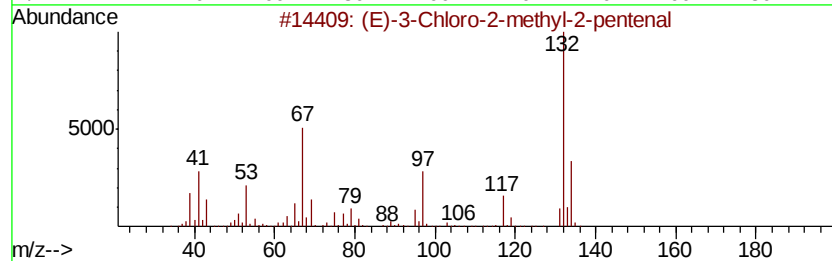
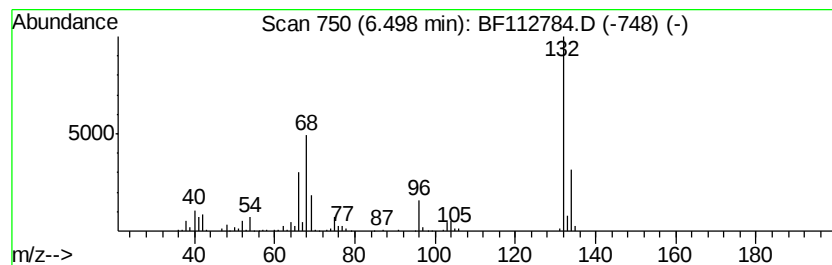
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	16.87 ng	913174	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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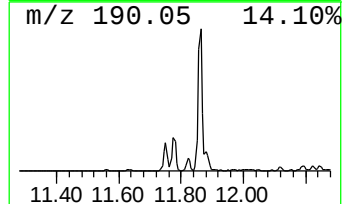
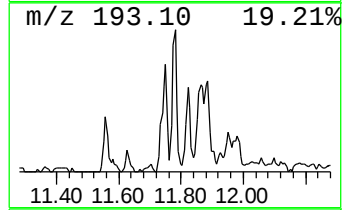
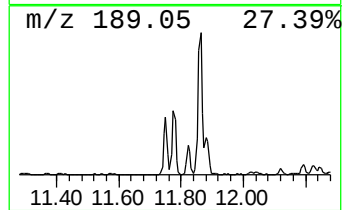
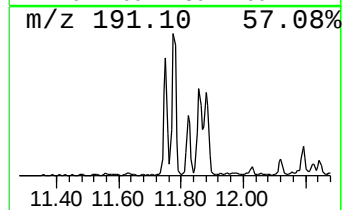
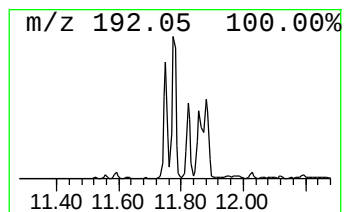
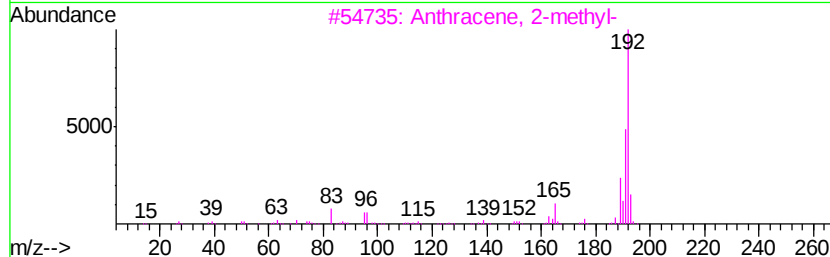
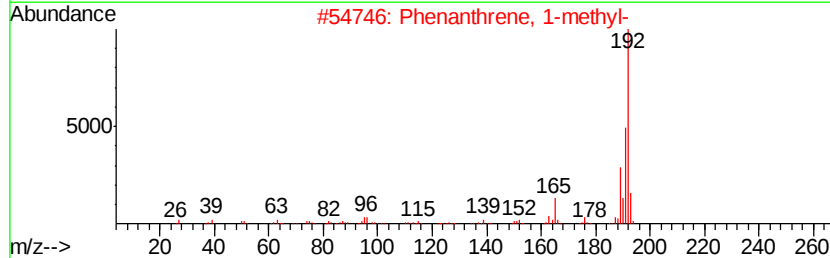
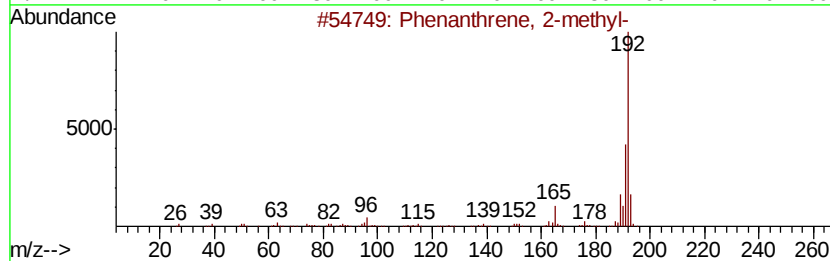
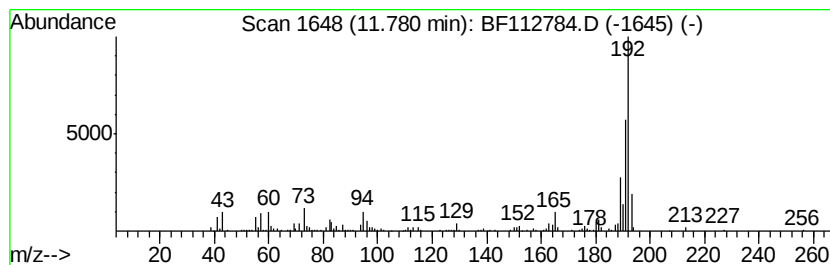
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	5.84 ng	366481	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



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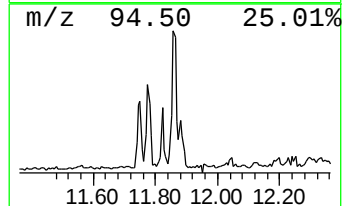
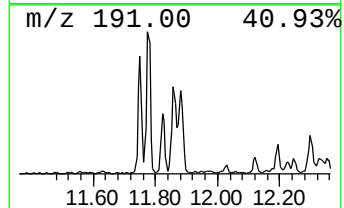
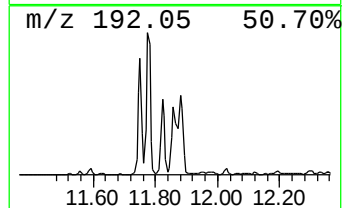
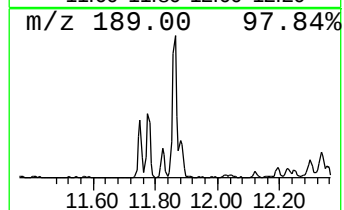
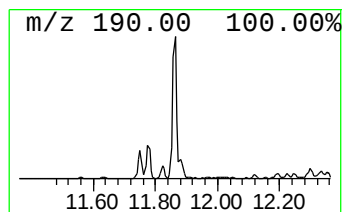
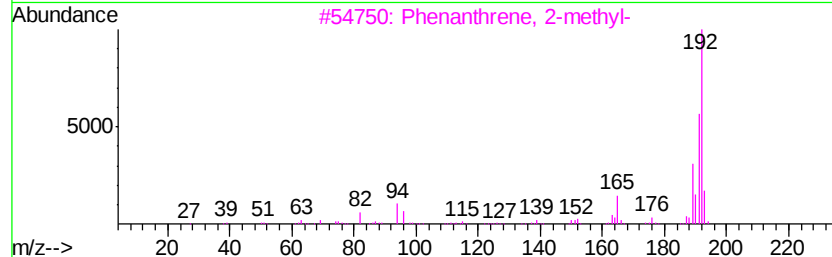
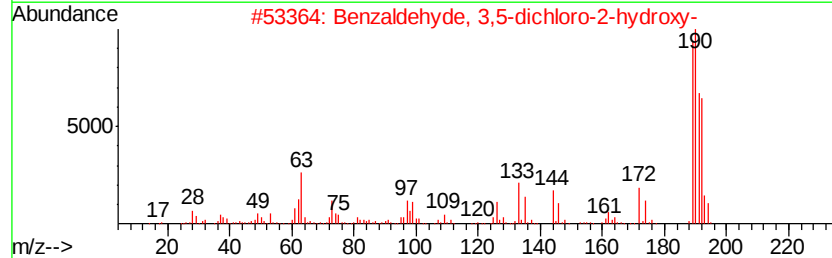
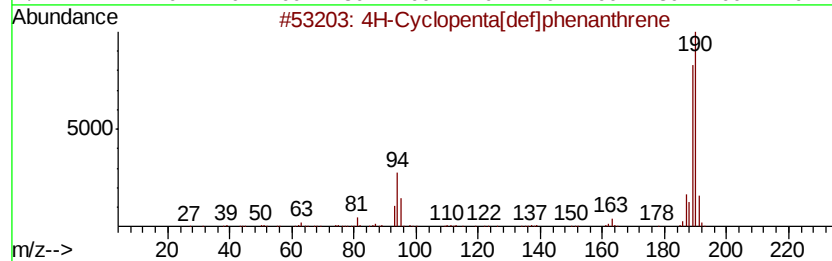
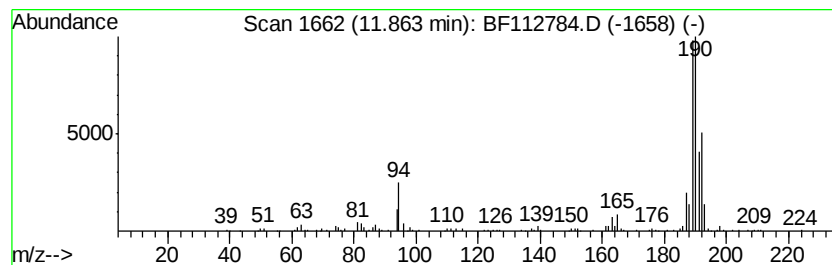
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Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.86	5.34 ng	334836	Phenanthrene-d10		11.25		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2			Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
Data File : BF112784.D
Acq On : 1 Mar 2019 1:49
Operator : JU/SJ
Sample : K1650-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

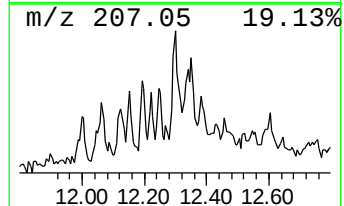
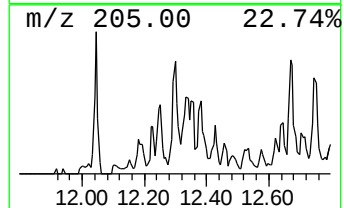
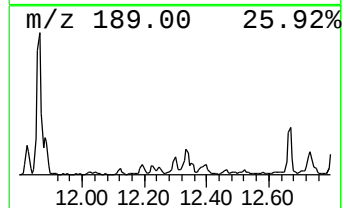
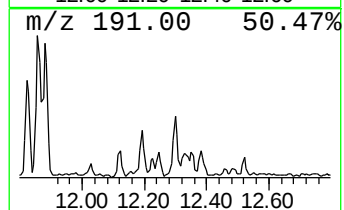
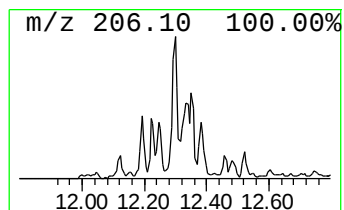
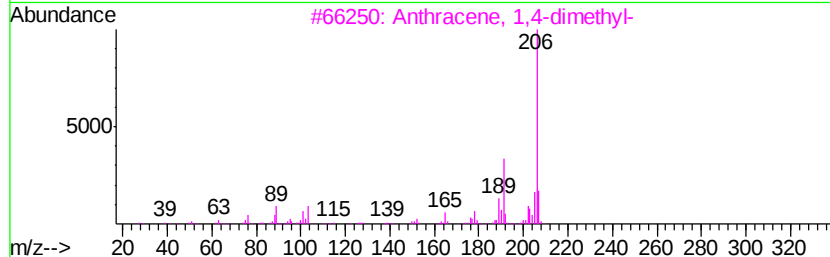
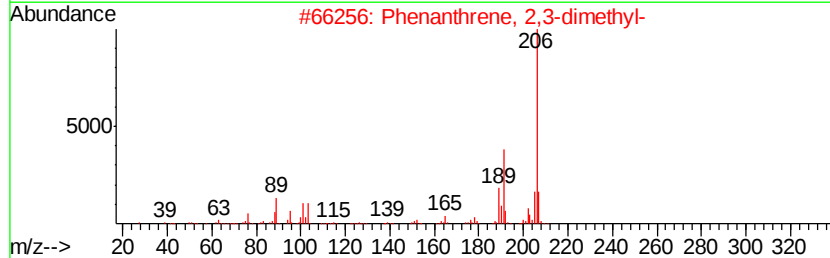
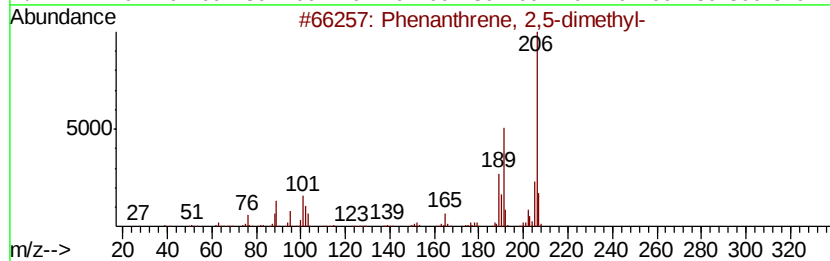
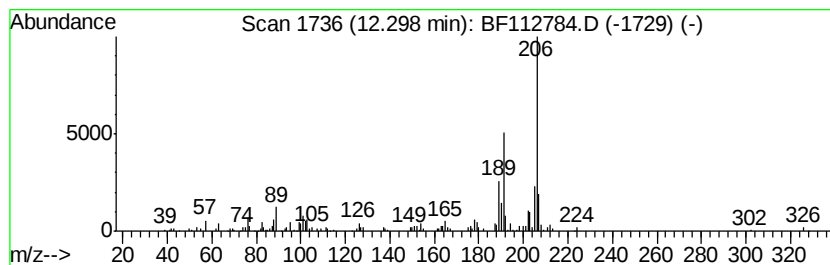
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.30	2.19 ng	137156	Phenanthrene-d10		11.25
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
Data File : BF112784.D
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Operator : JU/SJ
Sample : K1650-16 5X
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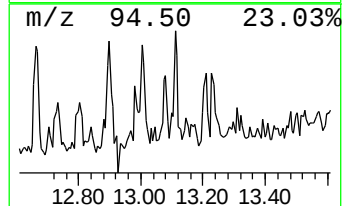
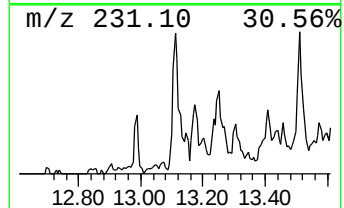
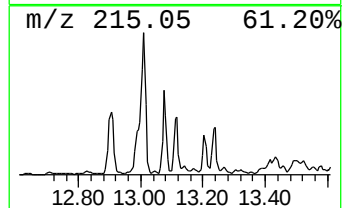
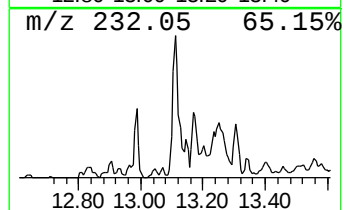
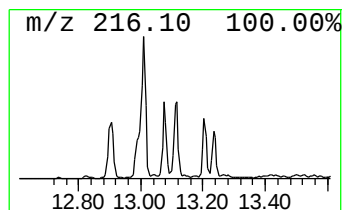
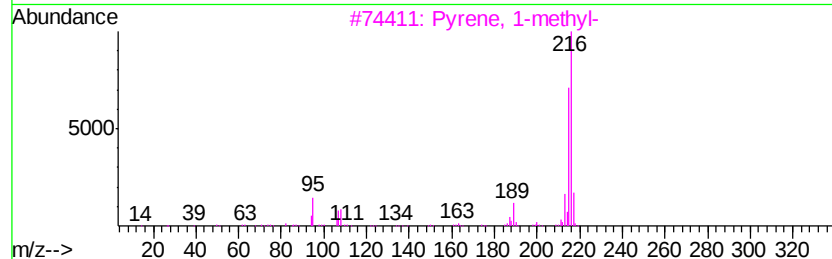
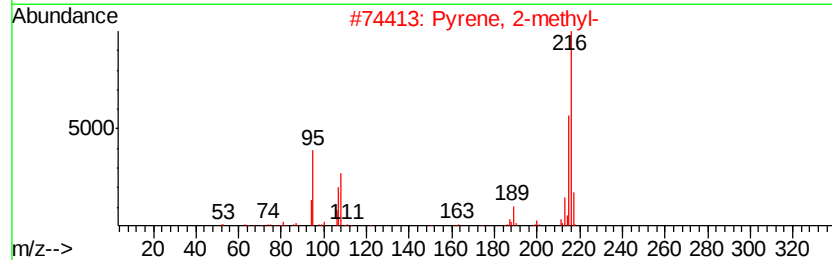
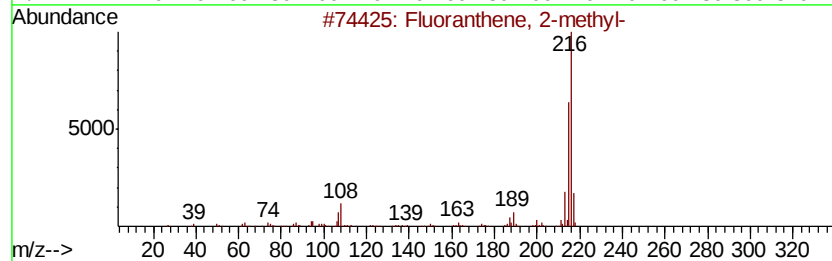
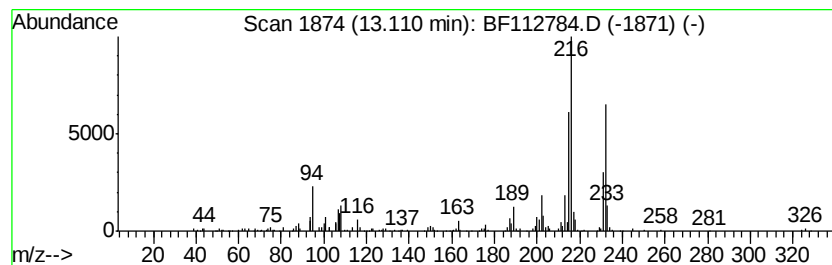
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.11	2.07 ng	212683	Chrysene-d12	13.87		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	55
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	49
4		1-benzyl-3-methylnaphthalene	232	C18H16	1000379-93-5	38
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
Data File : BF112784.D
Acq On : 1 Mar 2019 1:49
Operator : JU/SJ
Sample : K1650-16 5X
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ALS Vial : 20 Sample Multiplier: 1

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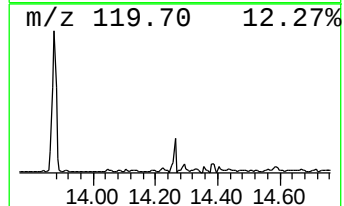
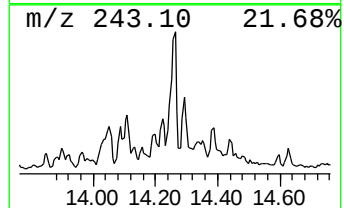
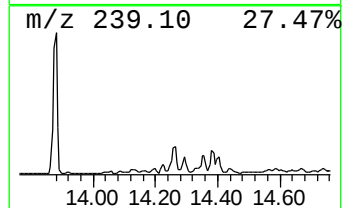
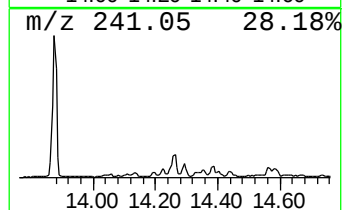
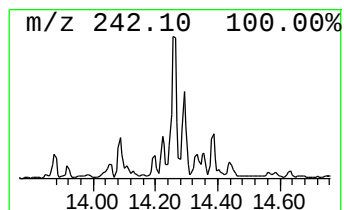
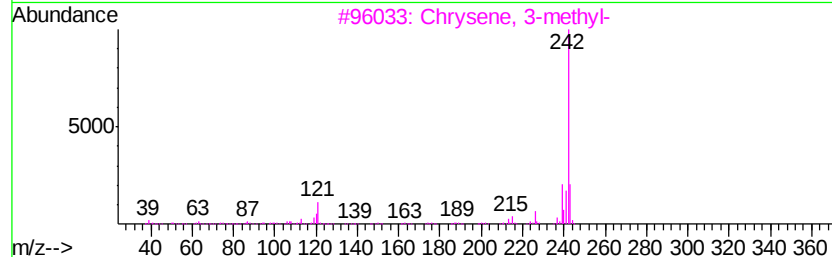
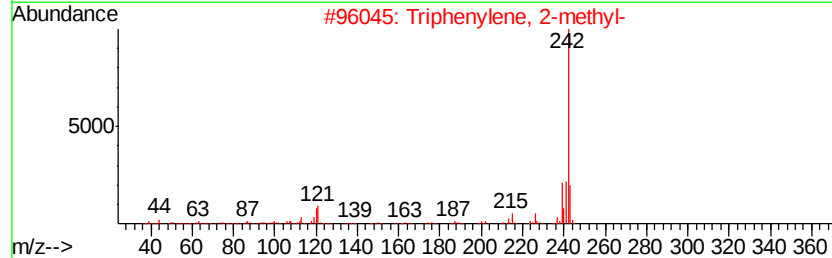
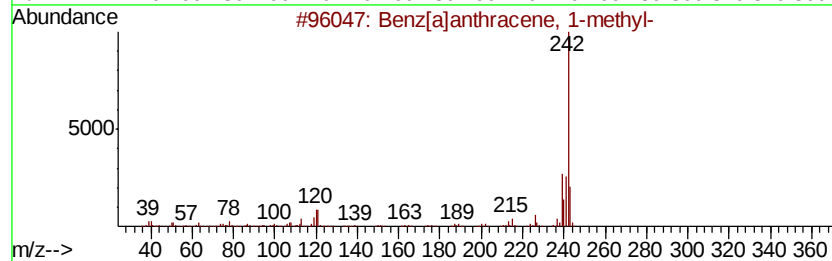
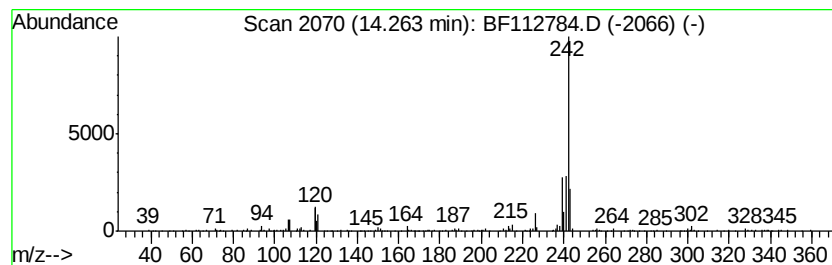
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benz[a]anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	2.14 ng	219418	Chrysene-d12	13.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	98
2			Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
3			Chrysene, 3-methyl-	242	C19H14	003351-31-3	93
4			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
5			Benz[a]anthracene, 5-methyl-	242	C19H14	002319-96-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
Data File : BF112784.D
Acq On : 1 Mar 2019 1:49
Operator : JU/SJ
Sample : K1650-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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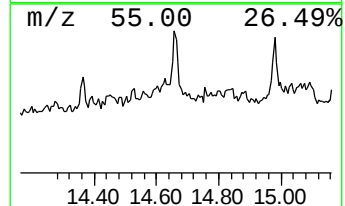
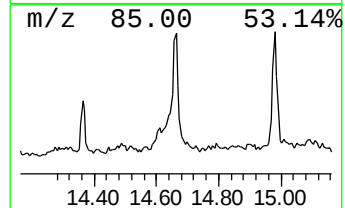
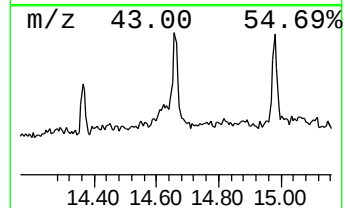
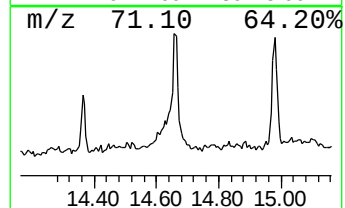
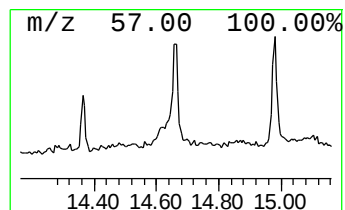
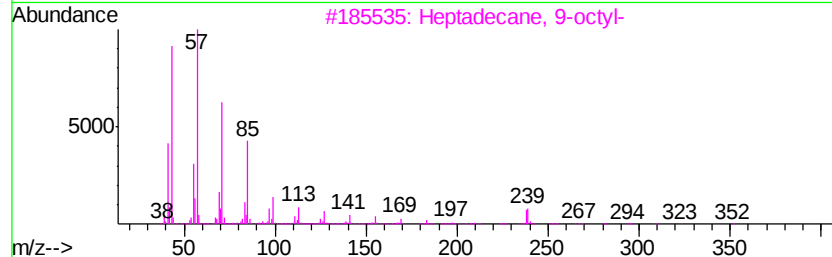
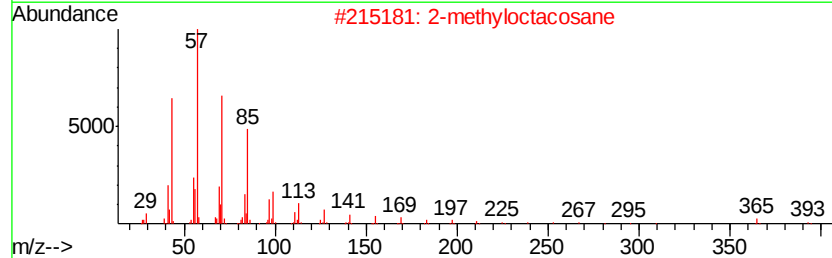
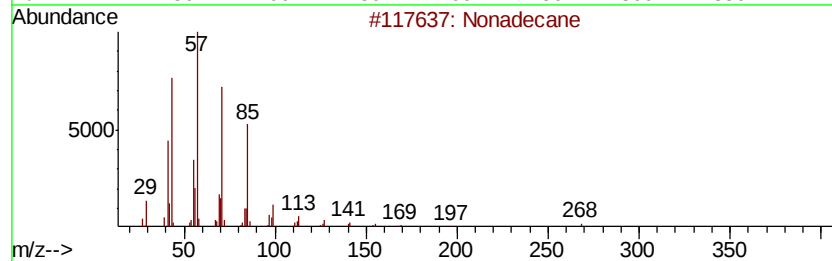
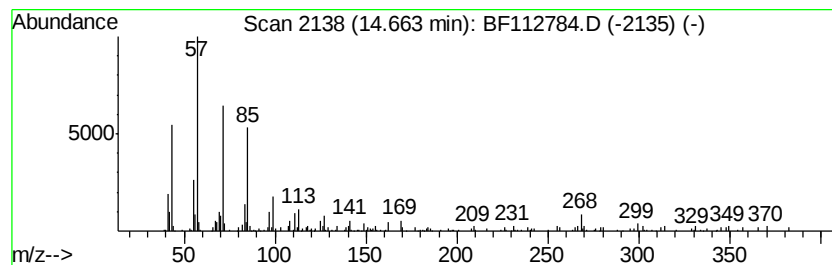
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Nonadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	2.97 ng	190899	Perylene-d12	15.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	90
2		2-methyloctacosane	408	C29H60	1000376-72-8	86
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86
4		Heneicosane	296	C21H44	000629-94-7	80
5		Tridecane	184	C13H28	000629-50-5	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
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Acq On : 1 Mar 2019 1:49
Operator : JU/SJ
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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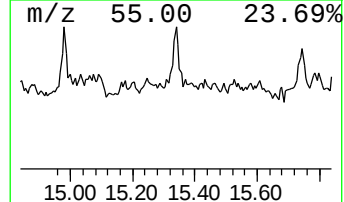
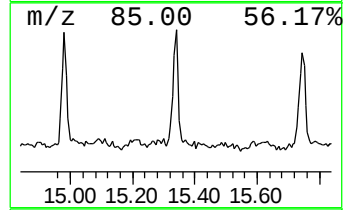
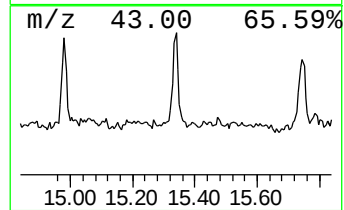
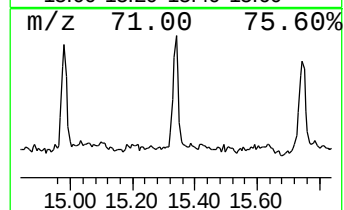
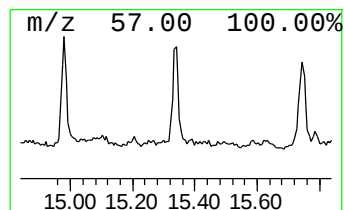
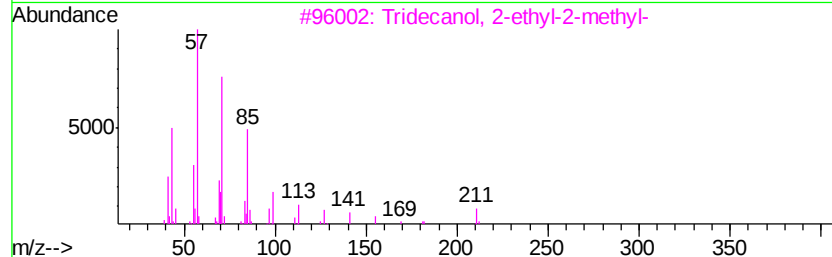
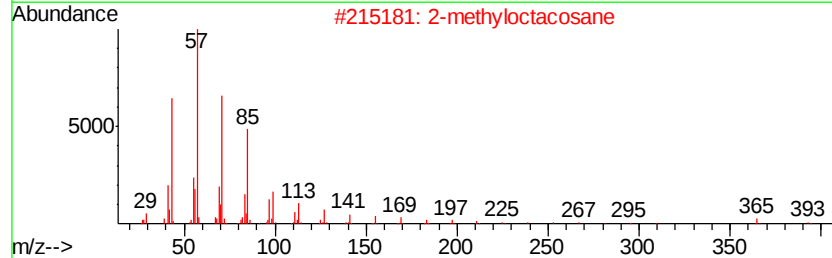
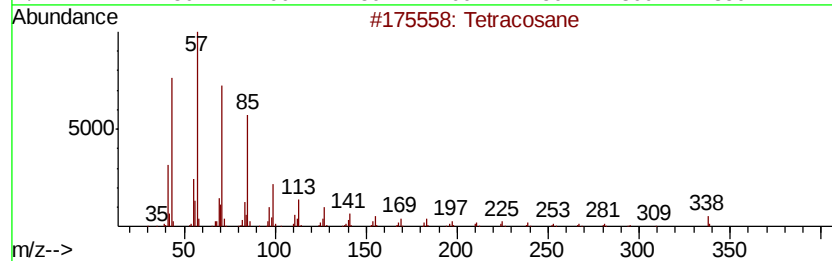
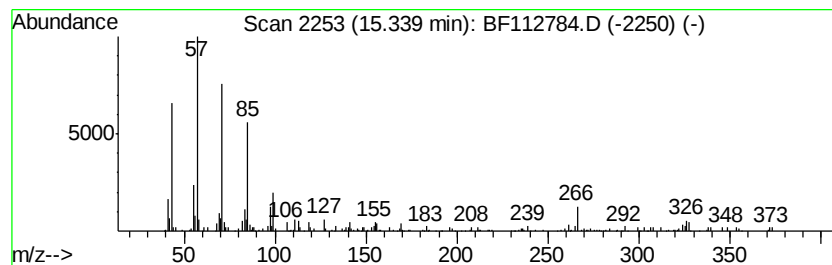
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tetracosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	3.06 ng	196837	Perylene-d12	15.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	87
2		2-methyloctacosane	408	C29H60	1000376-72-8	80
3		Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	80
4		Triacontane	422	C30H62	000638-68-6	80
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Phenanthrene, 2-m...	11.78	5.8	ng	366481	4	11.25	1254870	20.0
4H-Cyclopenta[def...	11.86	5.3	ng	334836	4	11.25	1254870	20.0
Phenanthrene, 2,5...	12.30	2.2	ng	137156	4	11.25	1254870	20.0
Fluoranthene, 2-m...	13.11	2.1	ng	212683	5	13.87	2051390	20.0
Benz[a]anthracene...	14.26	2.1	ng	219418	5	13.87	2051390	20.0
Nonadecane	14.66	3.0	ng	190899	6	15.29	1284580	20.0
Tetracosane	15.34	3.1	ng	196837	6	15.29	1284580	20.0