

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041119\
 Data File : BF113735.D
 Acq On : 11 Apr 2019 22:22
 Operator : JU/SJ
 Sample : K2358-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D

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-BF040319.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	5.287	541	544	565	rBV	1855377	2313482	89.38%	5.704%
2	6.328	717	721	738	rBV	2113716	2485758	96.03%	6.129%
3	6.445	738	741	748	rVB	2491483	2420818	93.52%	5.969%
4	6.669	776	779	787	rBV	786800	760860	29.39%	1.876%
5	6.828	802	806	818	rBV	2180019	1943787	75.09%	4.793%
6	7.239	873	876	881	rBV	1537306	1401886	54.16%	3.456%
7	7.445	906	911	914	rBV2	42636	59856	2.31%	0.148%
8	7.475	914	916	920	rVB	62843	57316	2.21%	0.141%
9	7.592	929	936	938	rBV3	40616	53627	2.07%	0.132%
10	7.910	984	990	992	rBV5	31613	46457	1.79%	0.115%
11	7.951	992	997	1004	rVV	973474	1104988	42.69%	2.724%
12	8.022	1007	1009	1012	rVB	100959	81110	3.13%	0.200%
13	8.122	1022	1026	1030	rBV6	24607	48445	1.87%	0.119%
14	8.163	1030	1033	1037	rVB3	45598	45436	1.76%	0.112%
15	8.245	1040	1047	1051	rBV8	40126	84130	3.25%	0.207%
16	8.339	1060	1063	1066	rVB2	63057	59931	2.32%	0.148%
17	8.381	1067	1070	1075	rBV	170805	195648	7.56%	0.482%
18	8.492	1086	1089	1092	rVV4	43050	46848	1.81%	0.116%
19	8.551	1096	1099	1104	rVV	313368	275878	10.66%	0.680%
20	8.610	1106	1109	1112	rVV3	57986	84757	3.27%	0.209%
21	8.645	1112	1115	1118	rVB4	51671	60876	2.35%	0.150%
22	8.769	1134	1136	1141	rVB3	44158	54734	2.11%	0.135%
23	8.833	1145	1147	1149	rBV	51697	47335	1.83%	0.117%
24	8.916	1159	1161	1163	rVB	64782	43695	1.69%	0.108%
25	8.981	1169	1172	1176	rVB	191556	148891	5.75%	0.367%
26	9.028	1176	1180	1190	rBV	3088819	2588509	100.00%	6.382%
27	9.116	1190	1195	1200	rBV	382904	374706	14.48%	0.924%
28	9.298	1222	1226	1229	rBV3	52874	64539	2.49%	0.159%
29	9.369	1234	1238	1240	rVV	102967	115614	4.47%	0.285%
30	9.428	1244	1248	1251	rVV2	402169	492834	19.04%	1.215%
31	9.451	1251	1252	1255	rVV2	67950	59155	2.29%	0.146%
32	9.492	1255	1259	1262	rVB3	52825	61110	2.36%	0.151%
33	9.563	1269	1271	1277	rBV	105850	118436	4.58%	0.292%
34	9.639	1282	1284	1288	rBV	247945	208702	8.06%	0.515%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.704	1291	1295	1298	rVV	988664	938419	36.25%	2.314%
36	9.733	1298	1300	1311	rVB	77656	107122	4.14%	0.264%
37	9.869	1318	1323	1326	rBV6	27679	46928	1.81%	0.116%
38	9.910	1326	1330	1335	rVB3	46881	61370	2.37%	0.151%
39	9.963	1335	1339	1343	rVB3	47550	65374	2.53%	0.161%
40	10.022	1346	1349	1352	rBV	44241	43574	1.68%	0.107%
41	10.139	1366	1369	1371	rBV	129371	96512	3.73%	0.238%
42	10.251	1385	1388	1394	rVB2	68946	91920	3.55%	0.227%
43	10.357	1404	1406	1411	rVB2	67820	65442	2.53%	0.161%
44	10.492	1423	1429	1440	rBV	1437096	1501276	58.00%	3.701%
45	10.610	1446	1449	1457	rVB3	118682	189005	7.30%	0.466%
46	10.798	1477	1481	1483	rBV2	54664	72324	2.79%	0.178%
47	10.827	1483	1486	1489	rVB2	41455	45614	1.76%	0.112%
48	11.086	1527	1530	1534	rVB	86412	92076	3.56%	0.227%
49	11.186	1543	1547	1548	rBV	869534	817292	31.57%	2.015%
50	11.204	1548	1550	1556	rVV	824556	796745	30.78%	1.964%
51	11.263	1557	1560	1563	rVB	196317	179521	6.94%	0.443%
52	11.427	1584	1588	1592	rBV2	68973	98782	3.82%	0.244%
53	11.480	1594	1597	1599	rVV	70453	73090	2.82%	0.180%
54	11.516	1601	1603	1608	rVB2	53919	61710	2.38%	0.152%
55	11.686	1628	1632	1634	rBV	275381	242845	9.38%	0.599%
56	11.716	1634	1637	1642	rVV	314888	348572	13.47%	0.859%
57	11.763	1642	1645	1647	rVV	136423	147166	5.69%	0.363%
58	11.792	1647	1650	1653	rVV	426465	495656	19.15%	1.222%
59	11.822	1653	1655	1660	rVB	232938	212182	8.20%	0.523%
60	11.886	1663	1666	1669	rBV	49830	48219	1.86%	0.119%
61	11.980	1679	1682	1686	rBV	123558	115004	4.44%	0.284%
62	12.022	1686	1689	1692	rVB3	67577	71338	2.76%	0.176%
63	12.127	1702	1707	1710	rBV2	72840	87635	3.39%	0.216%
64	12.163	1710	1713	1715	rBV	82018	76345	2.95%	0.188%
65	12.233	1722	1725	1728	rBV	327631	311740	12.04%	0.769%
66	12.274	1728	1732	1734	rVV	186147	234263	9.05%	0.578%
67	12.292	1734	1735	1737	rVV	88650	46280	1.79%	0.114%
68	12.327	1737	1741	1744	rVV2	121181	163291	6.31%	0.403%
69	12.392	1749	1752	1756	rBV	1242445	1217101	47.02%	3.001%
70	12.492	1766	1769	1771	rBV	129260	98784	3.82%	0.244%
71	12.545	1775	1778	1780	rBV2	75480	73686	2.85%	0.182%

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72	12.621	1785	1791	1794	rVV	1430666	1475021	56.98%	3.637%
73	12.680	1798	1801	1805	rVB2	105236	119363	4.61%	0.294%
74	12.763	1811	1815	1819	rBV	2352436	2157977	83.37%	5.321%
75	12.839	1825	1828	1836	rVB3	151294	230595	8.91%	0.569%
76	12.951	1840	1847	1850	rVB2	333514	523073	20.21%	1.290%
77	12.998	1852	1855	1856	rBV	87776	72763	2.81%	0.179%
78	13.016	1856	1858	1861	rVV	227725	196505	7.59%	0.484%
79	13.057	1862	1865	1872	rVB2	251829	279352	10.79%	0.689%
80	13.145	1877	1880	1883	rBV	173589	170053	6.57%	0.419%
81	13.180	1883	1886	1889	rBV	168103	167588	6.47%	0.413%
82	13.439	1927	1930	1932	rBV2	56908	81938	3.17%	0.202%
83	13.468	1933	1935	1938	rVB	115473	101120	3.91%	0.249%
84	13.574	1950	1953	1955	rBV2	128253	144445	5.58%	0.356%
85	13.621	1958	1961	1963	rBV2	91140	88785	3.43%	0.219%
86	13.821	1989	1995	1997	rBV2	1306801	2017106	77.93%	4.973%
87	13.845	1997	1999	2002	rVB	823219	738228	28.52%	1.820%
88	13.980	2019	2022	2027	rBV3	218490	255338	9.86%	0.630%
89	14.168	2052	2054	2056	rBV	81945	81035	3.13%	0.200%
90	14.210	2056	2061	2063	rVV	300452	380972	14.72%	0.939%
91	14.239	2064	2066	2069	rVB	147340	153751	5.94%	0.379%
92	14.333	2079	2082	2084	rBV	177483	193900	7.49%	0.478%
93	14.580	2122	2124	2127	rBV2	109197	91136	3.52%	0.225%
94	14.839	2164	2168	2170	rBV	557340	774195	29.91%	1.909%
95	14.886	2174	2176	2181	rVB3	185067	207083	8.00%	0.511%
96	14.939	2182	2185	2191	rVB	132469	155954	6.02%	0.385%
97	15.115	2211	2215	2220	rVB	389473	421066	16.27%	1.038%
98	15.174	2221	2225	2230	rBV	496746	590314	22.81%	1.455%
99	15.233	2231	2235	2238	rBV	698728	838364	32.39%	2.067%
100	16.592	2462	2466	2475	rVB	203737	407538	15.74%	1.005%

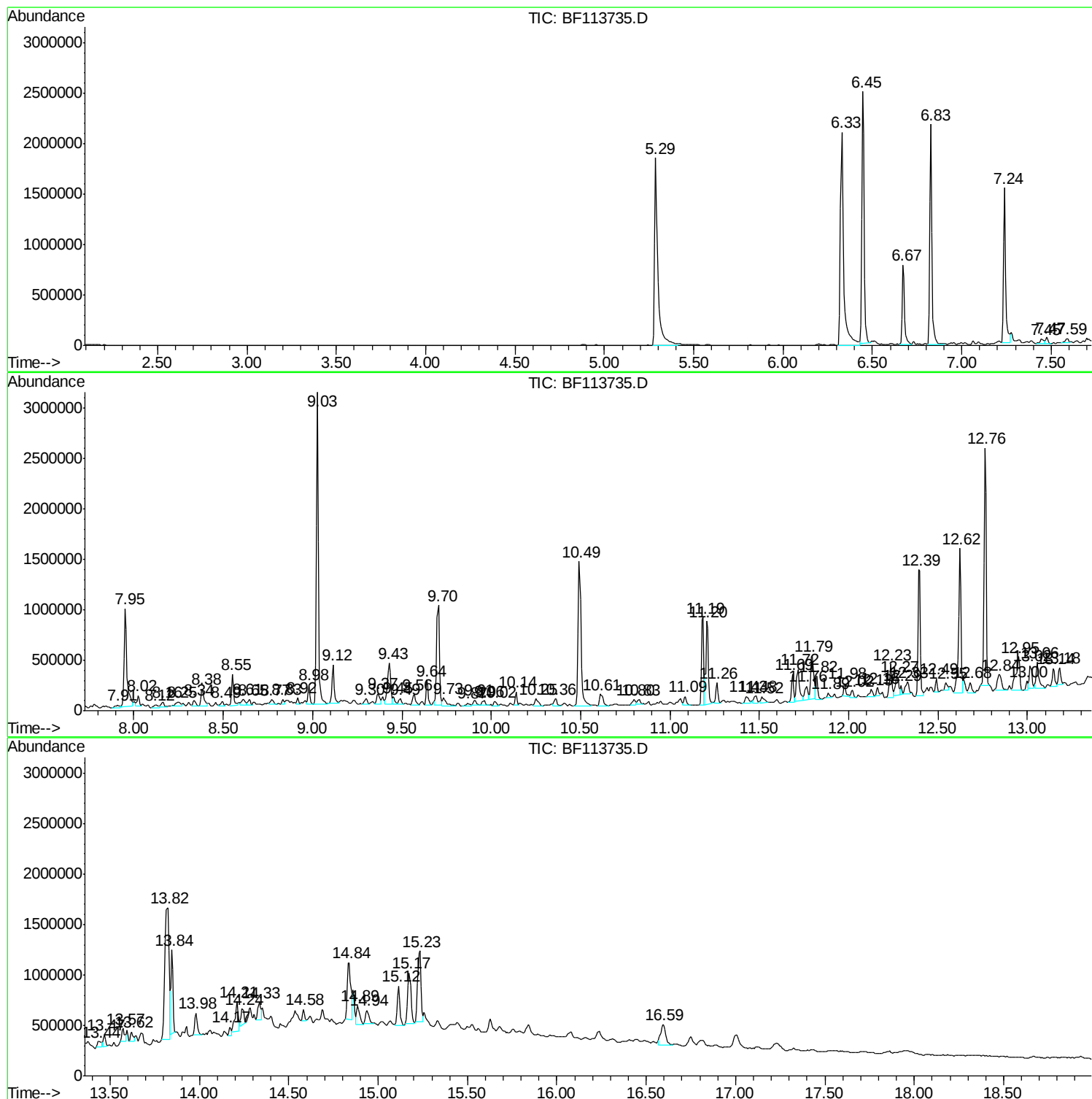
Sum of corrected areas: 40558915

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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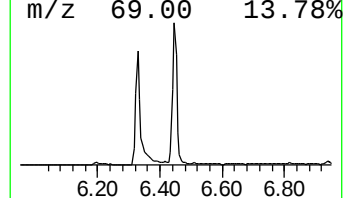
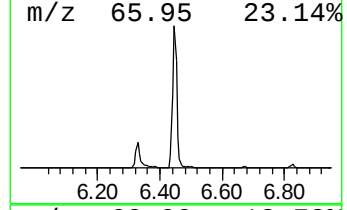
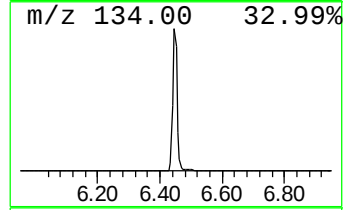
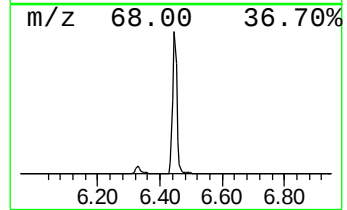
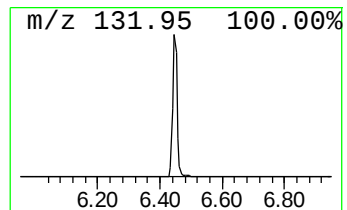
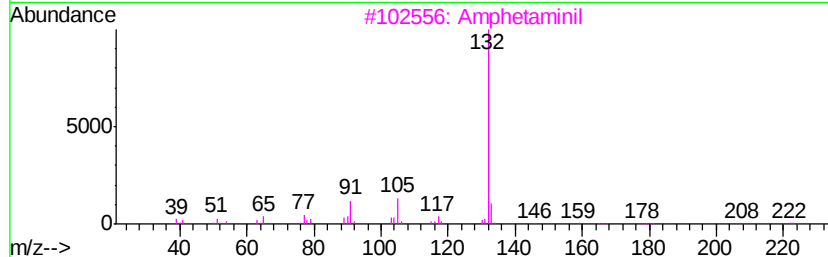
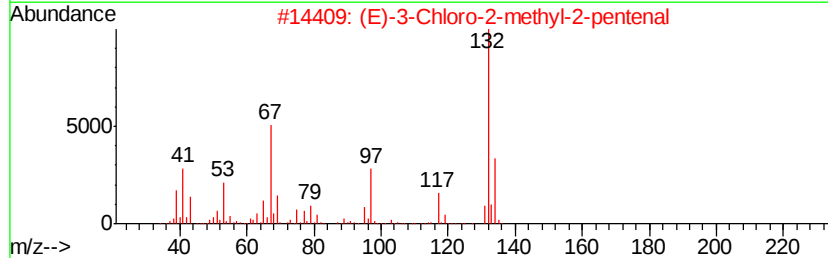
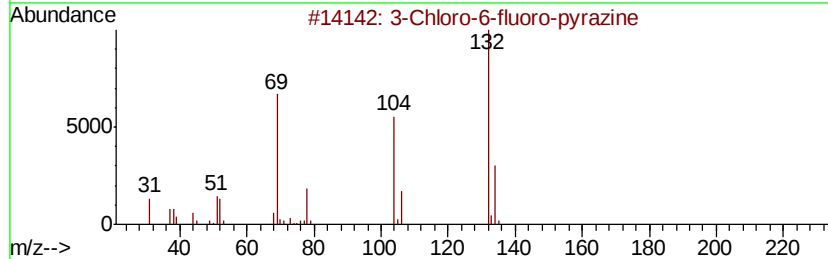
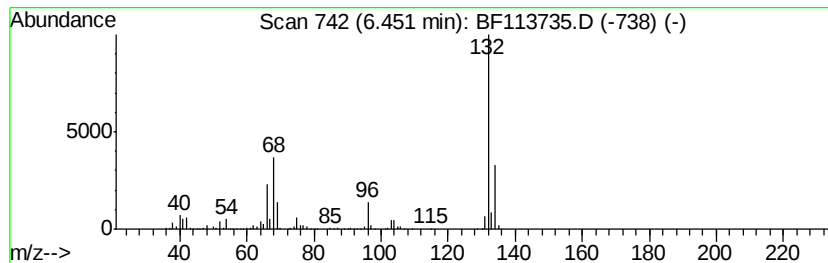
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	63.63 ng	2420820	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Amphetaminil	250	C17H18N2	017590-01-1	10
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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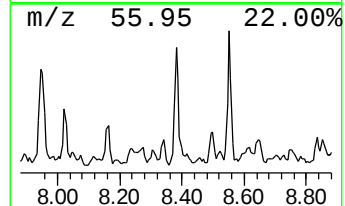
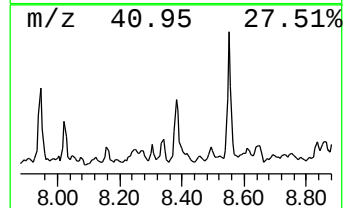
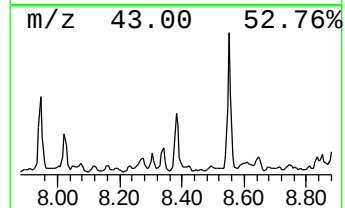
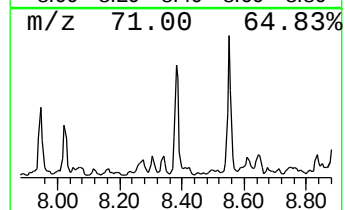
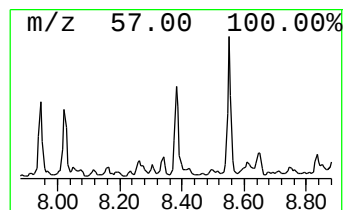
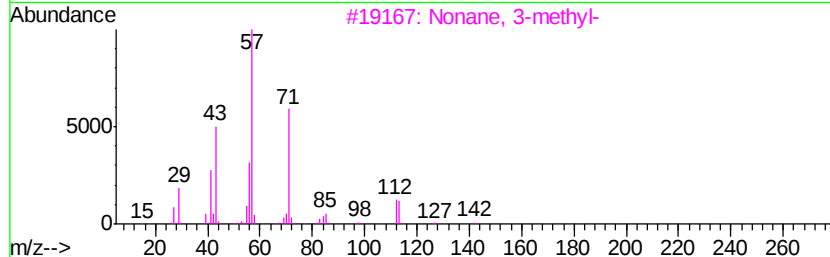
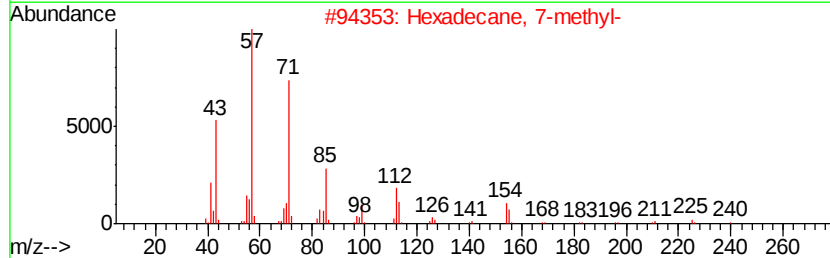
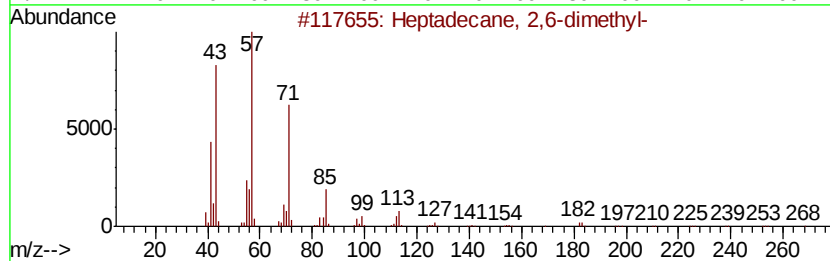
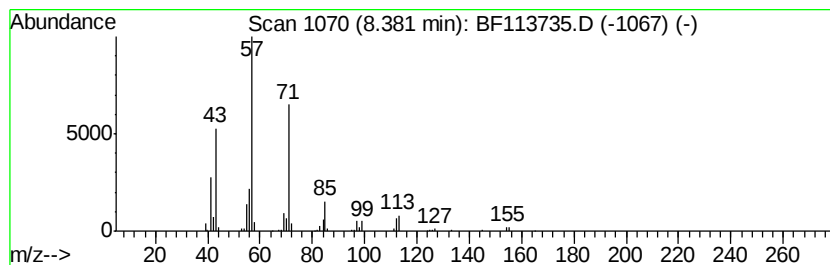
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Peak Number 3 Heptadecane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	3.54 ng	195648	Naphthalene-d8	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	83
2		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	78
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	72
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64



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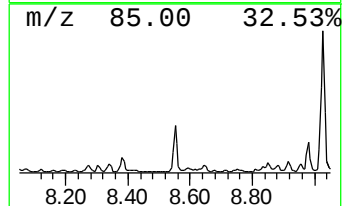
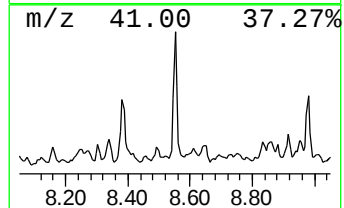
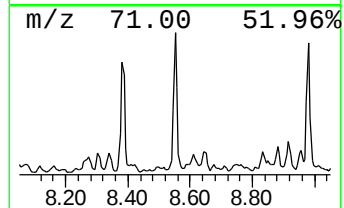
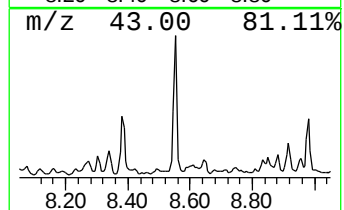
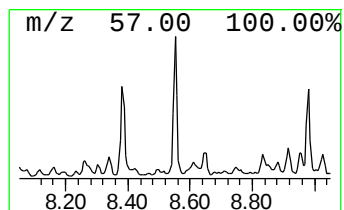
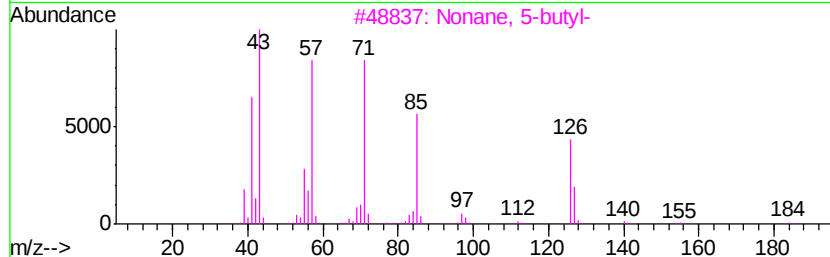
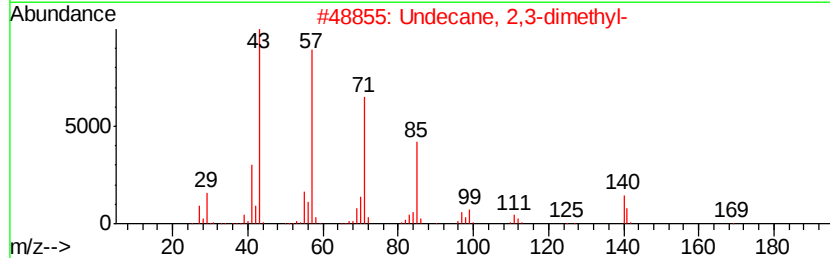
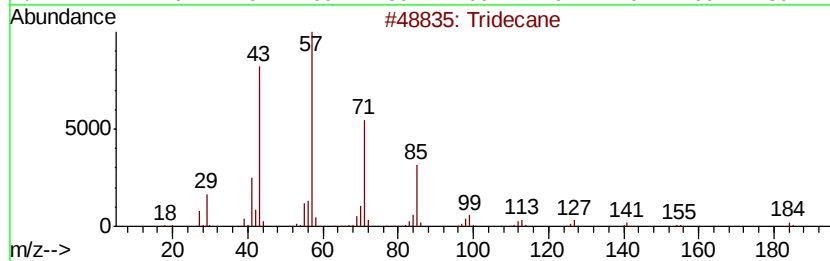
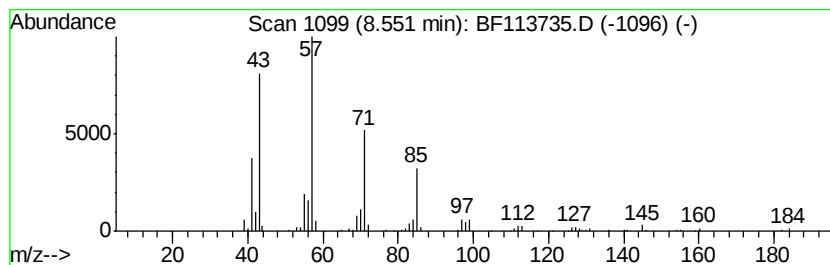
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Tridecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	4.99 ng	275878	Napthalene-d8	7.95

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	94
2	Undecane, 2,3-dimethyl-		184	C13H28	017312-77-5	90
3	Nonane, 5-butyl-		184	C13H28	017312-63-9	87
4	Hexadecane		226	C16H34	000544-76-3	86
5	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	81



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Data File : BF113735.D
Acq On : 11 Apr 2019 22:22
Operator : JU/SJ
Sample : K2358-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-7-D

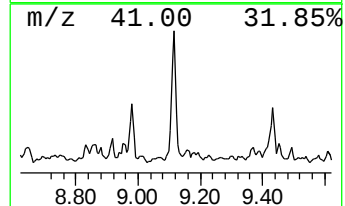
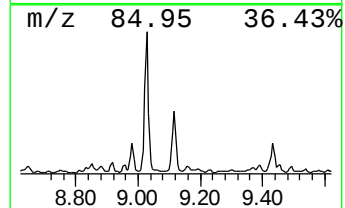
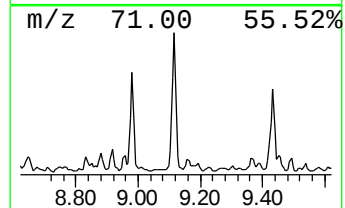
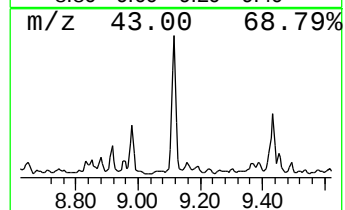
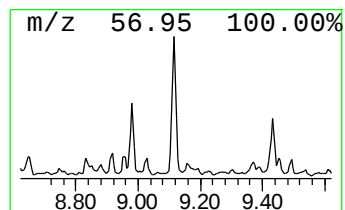
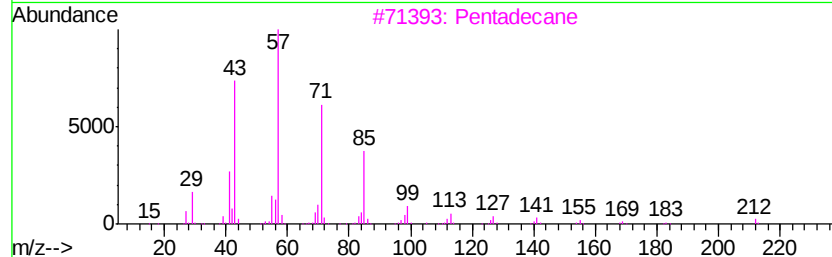
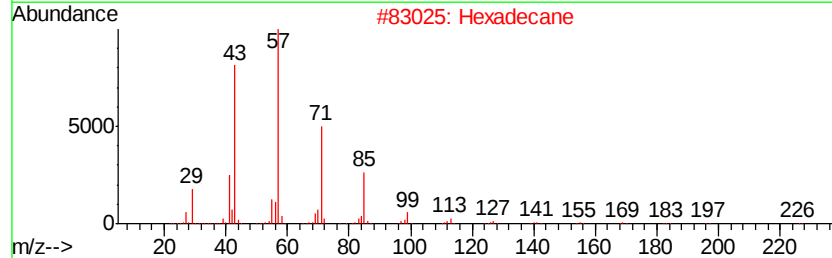
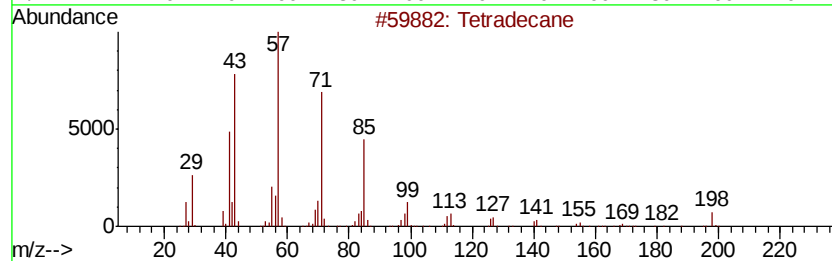
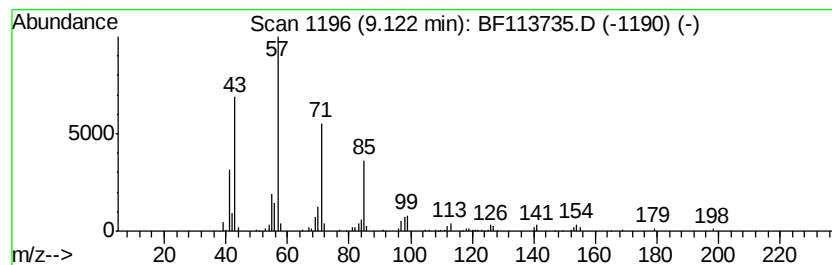
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	7.99 ng	374706	Acenaphthene-d10	9.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	95
2		Hexadecane	226	C16H34	000544-76-3	91
3		Pentadecane	212	C15H32	000629-62-9	86
4		Tridecane, 6-methyl-	198	C14H30	013287-21-3	76
5		Decane, 2-methyl-	156	C11H24	006975-98-0	74



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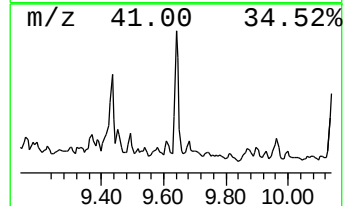
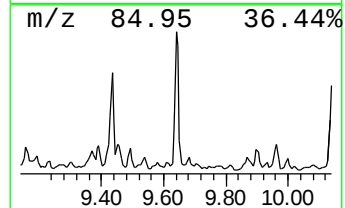
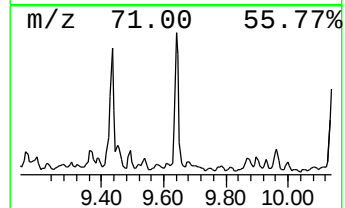
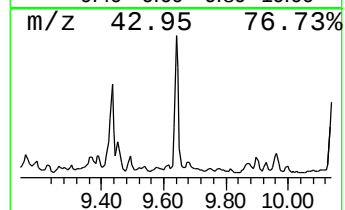
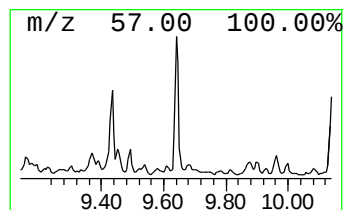
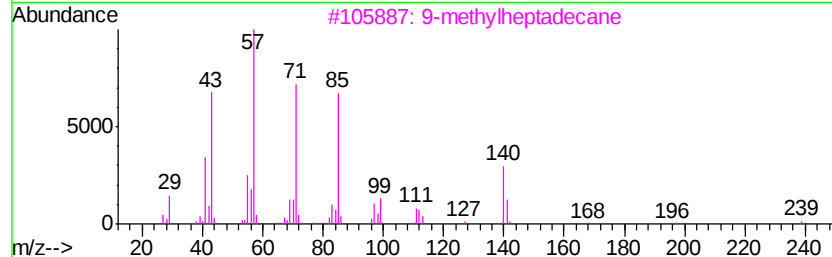
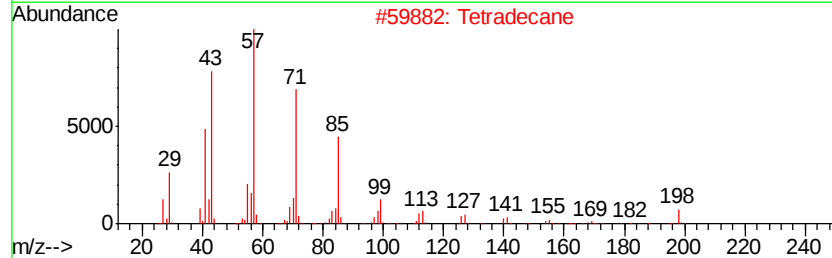
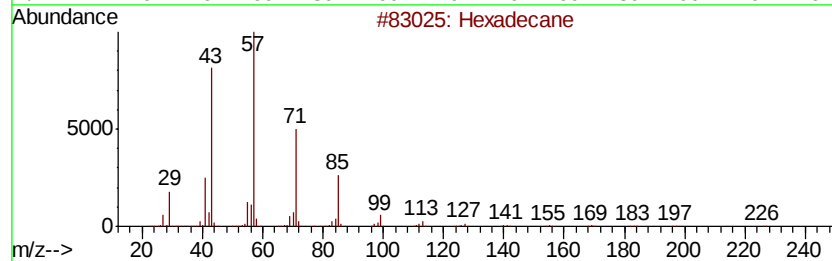
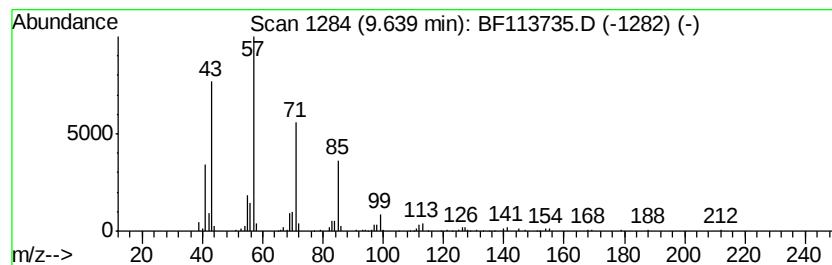
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	4.45 ng	208702	Acenaphthene-d10	9.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		Tetradecane	198	C14H30	000629-59-4	90
3		9-methylheptadecane	254	C18H38	026741-18-4	80
4		Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	72
5		Tridecane, 7-propyl-	226	C16H34	055045-09-5	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113735.D
Acq On : 11 Apr 2019 22:22
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Sample : K2358-15
Misc :
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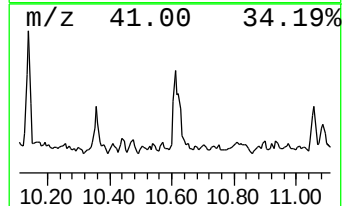
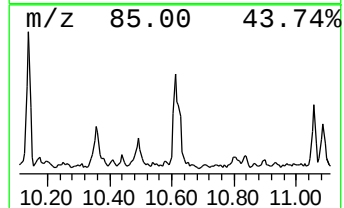
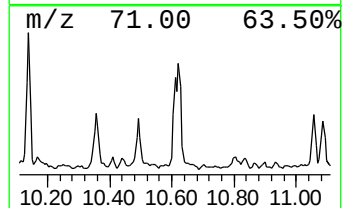
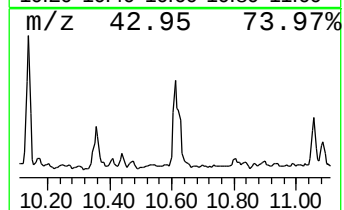
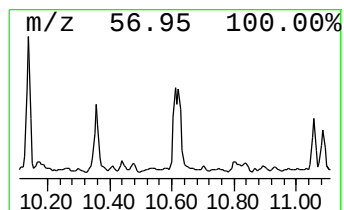
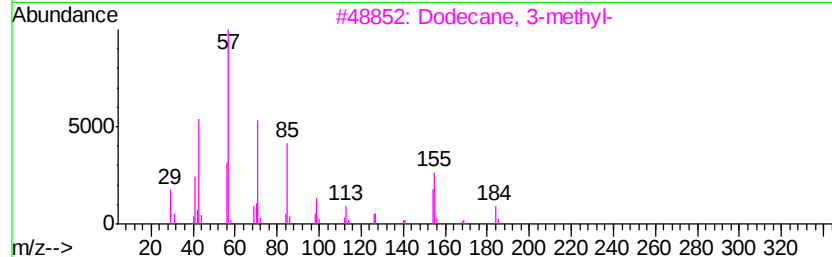
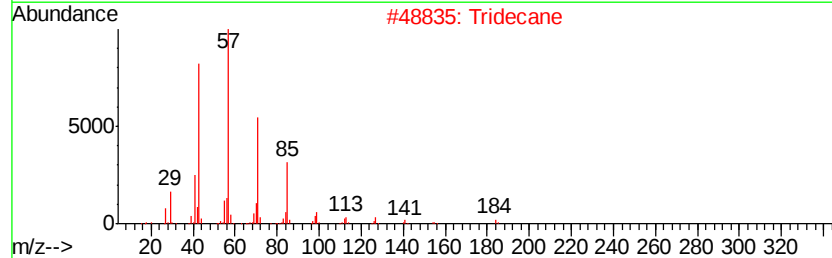
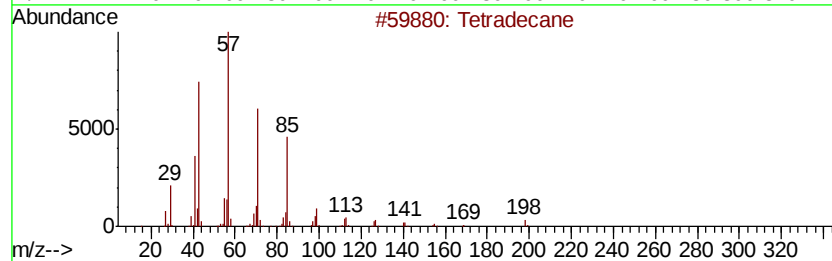
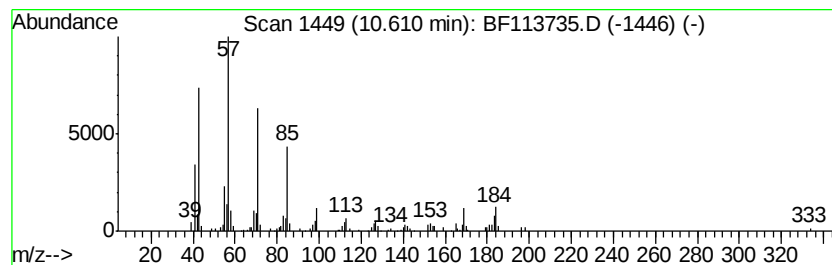
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Dodecane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	4.63 ng	189005	Phenanthrene-d10	11.19

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	96
2		Tridecane	184	C13H28	000629-50-5	94
3		Dodecane, 3-methyl-	184	C13H28	017312-57-1	87
4		Octacosane	394	C28H58	000630-02-4	74
5		Hexadecane	226	C16H34	000544-76-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
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Acq On : 11 Apr 2019 22:22
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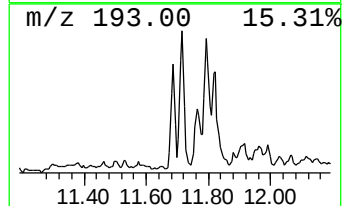
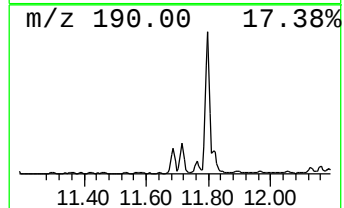
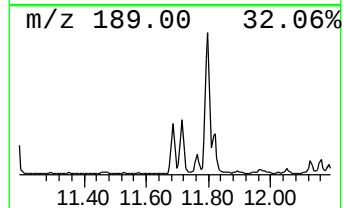
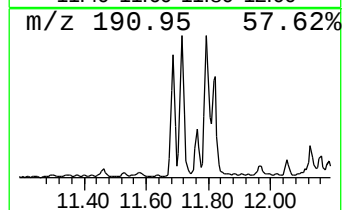
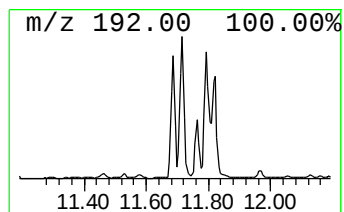
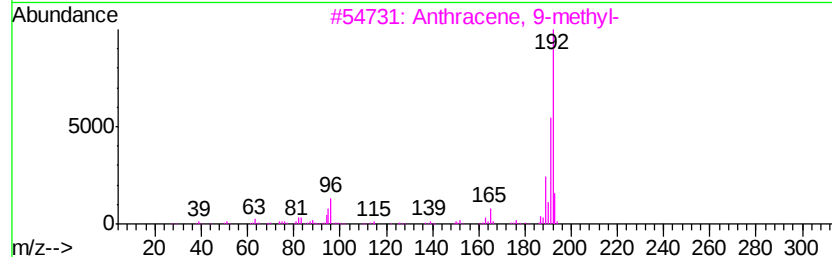
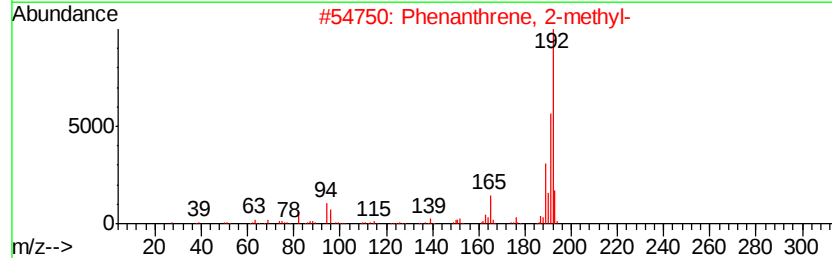
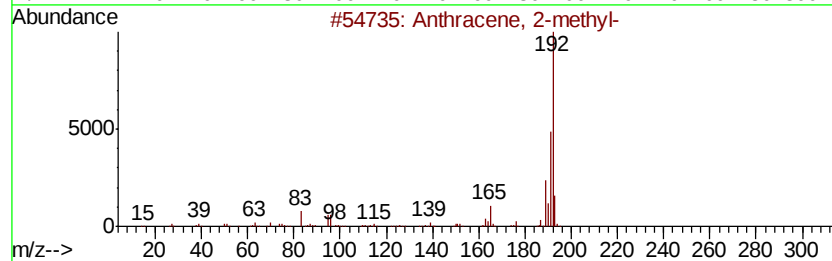
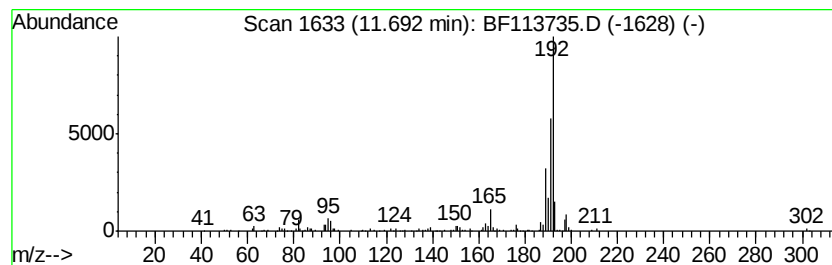
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	5.94 ng	242845	Phenanthrene-d10	11.19

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
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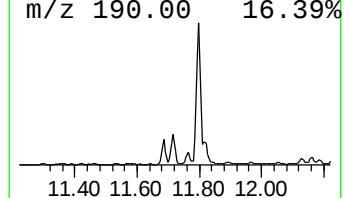
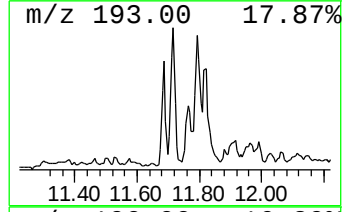
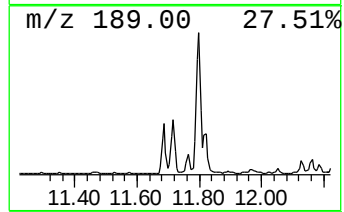
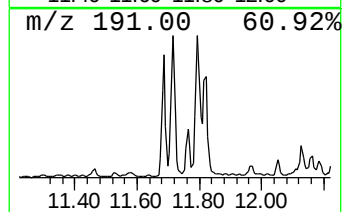
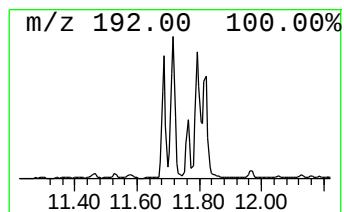
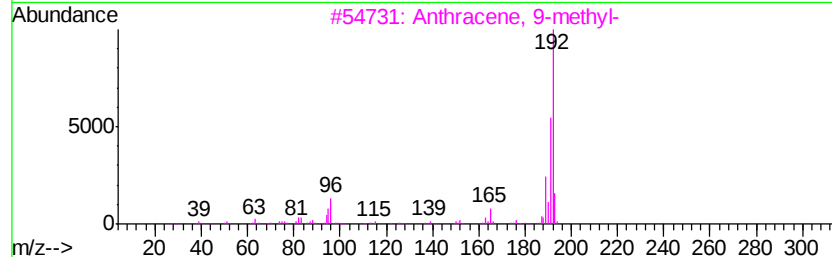
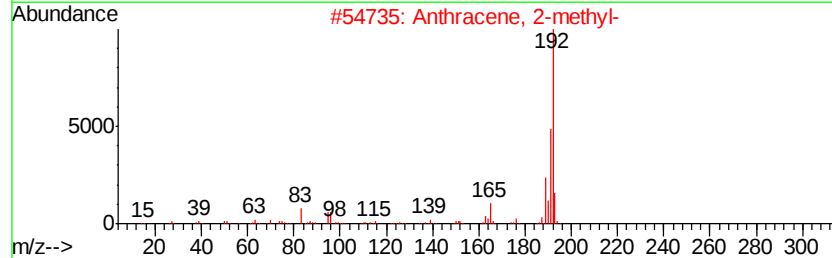
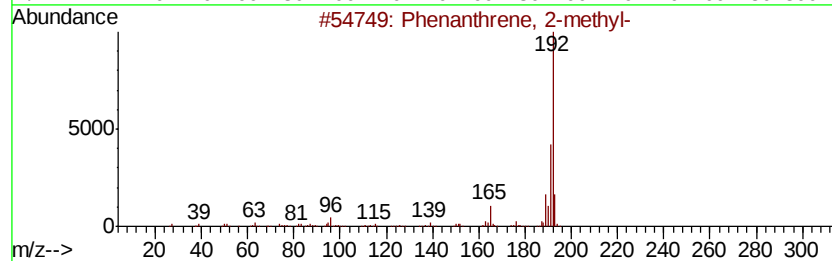
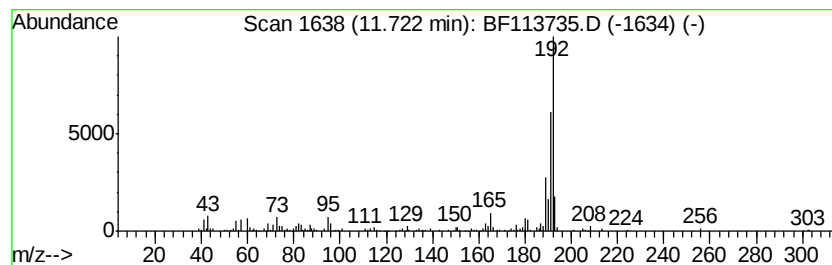
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	8.53 ng	348572	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
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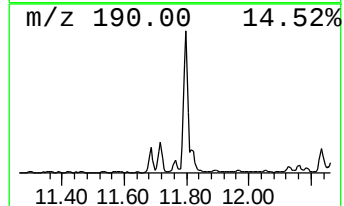
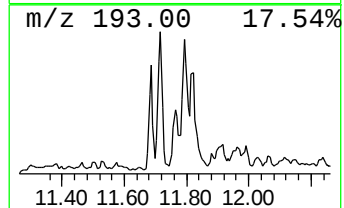
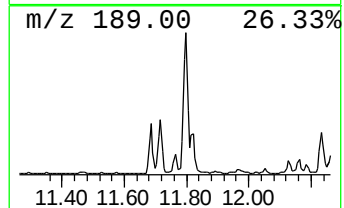
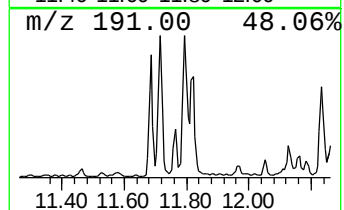
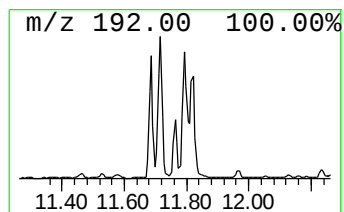
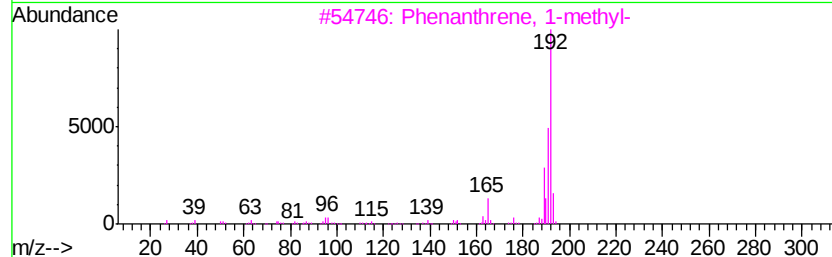
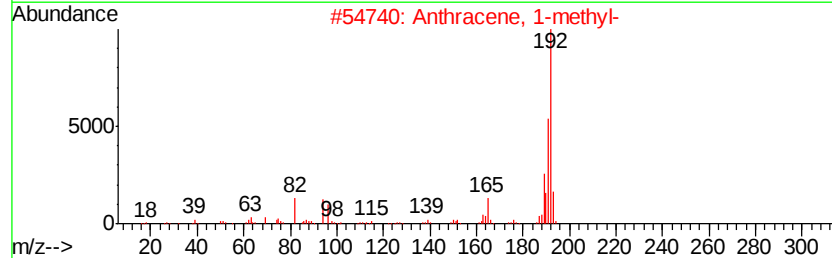
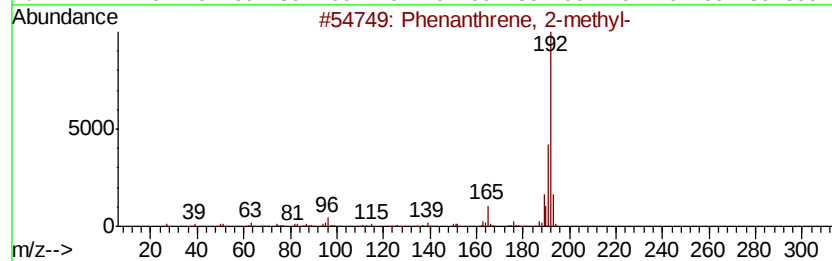
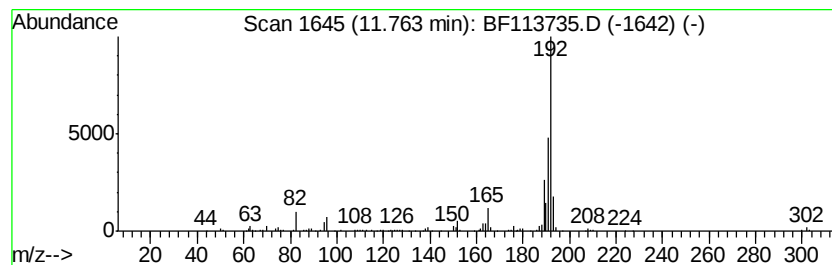
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	3.60 ng	147166	Phenanthrene-d10	11.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113735.D
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ClientSampleId :
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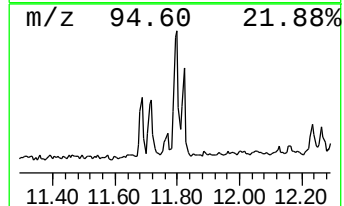
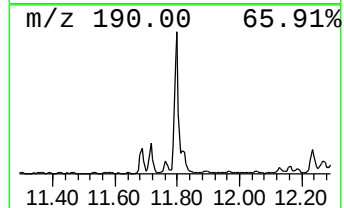
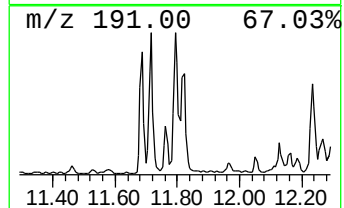
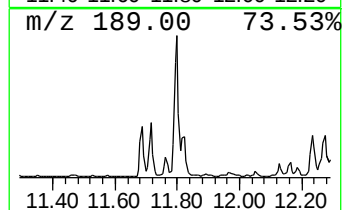
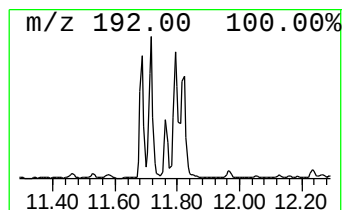
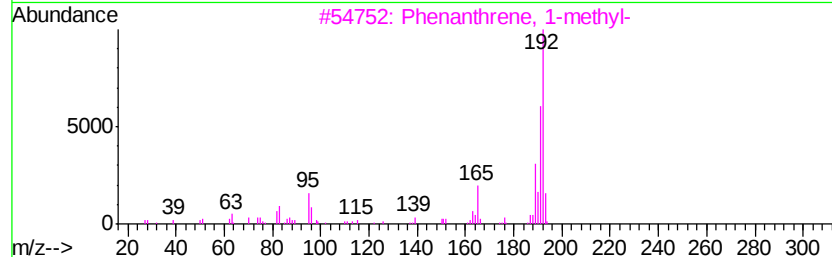
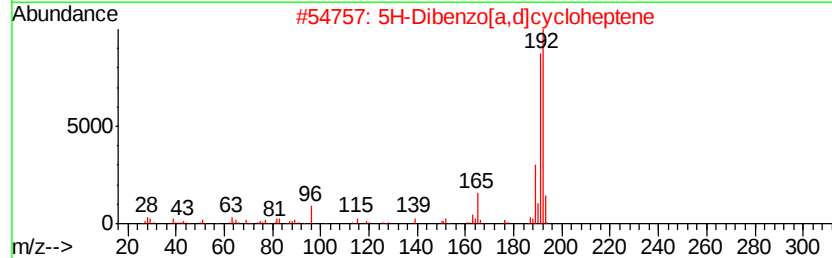
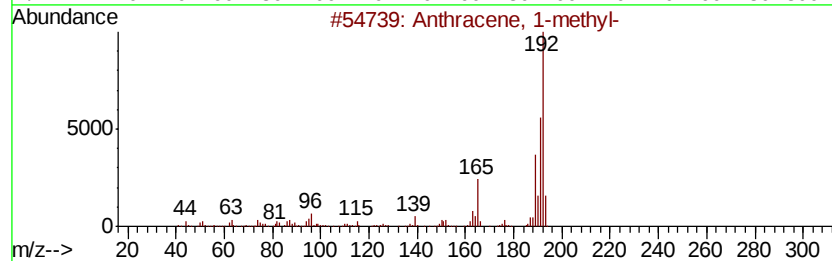
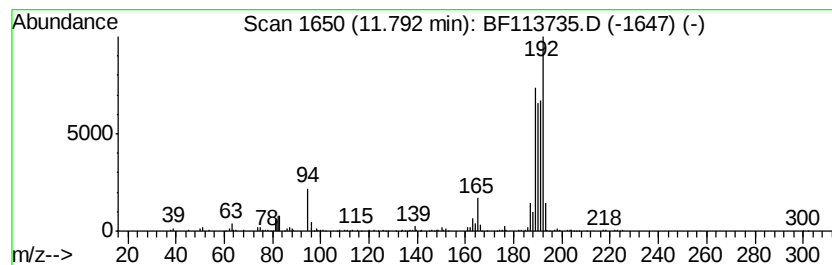
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	12.13 ng	495656	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4		1a,9b-Dihydro-1H-cyclopropa[alan...	192	C15H12	006109-24-6	46
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113735.D
Acq On : 11 Apr 2019 22:22
Operator : JU/SJ
Sample : K2358-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-D

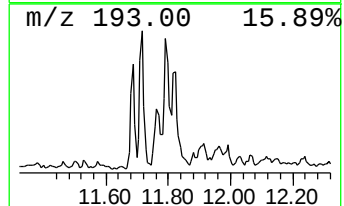
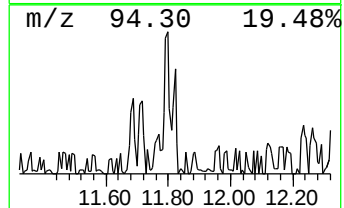
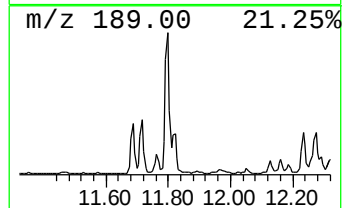
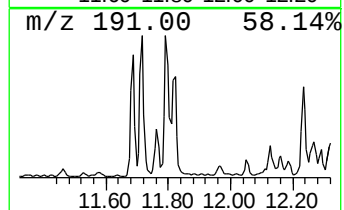
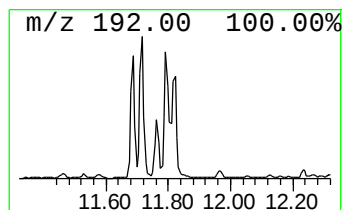
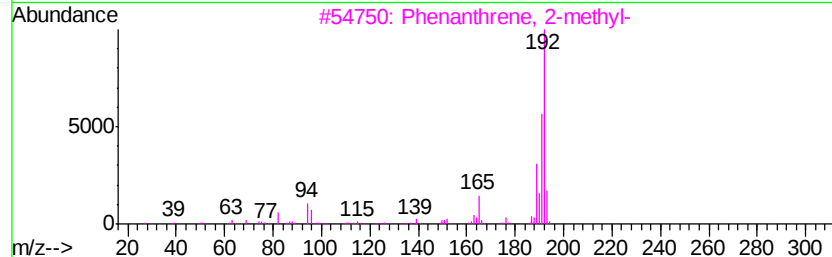
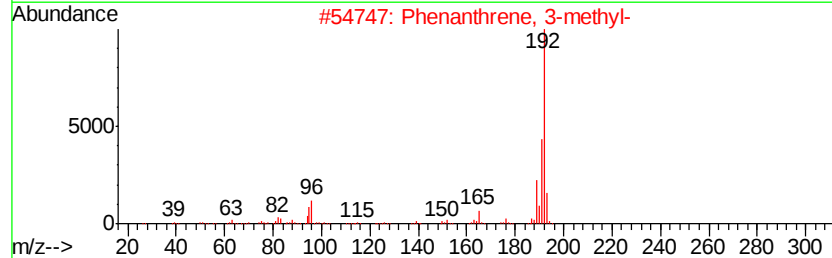
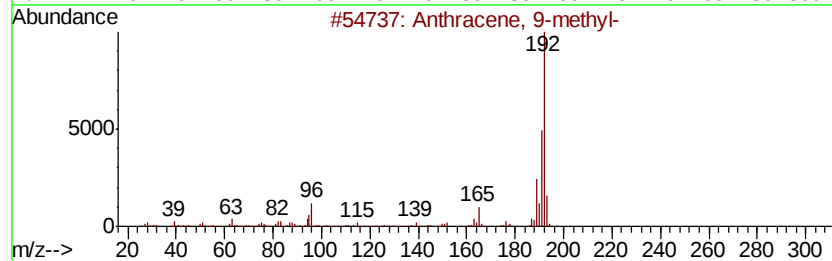
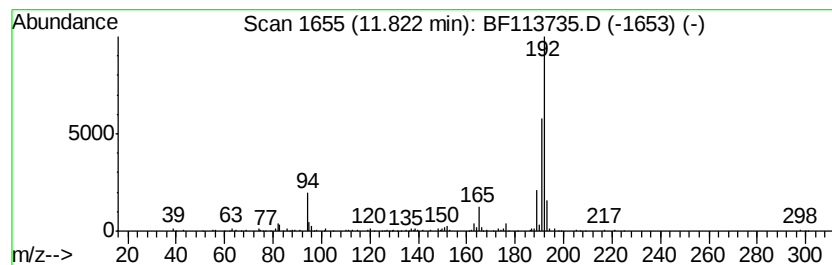
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	5.19 ng	212182	Phenanthrene-d10	11.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
2			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113735.D
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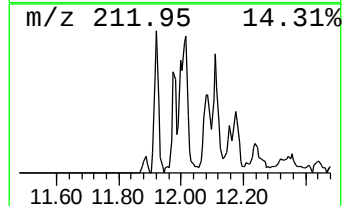
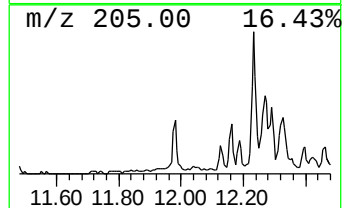
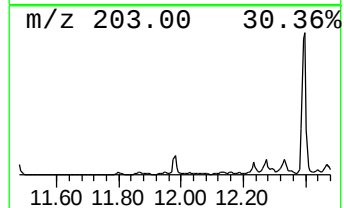
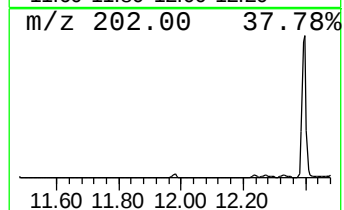
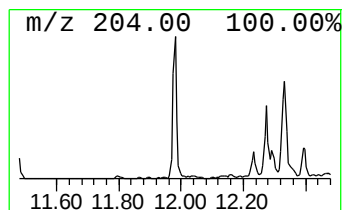
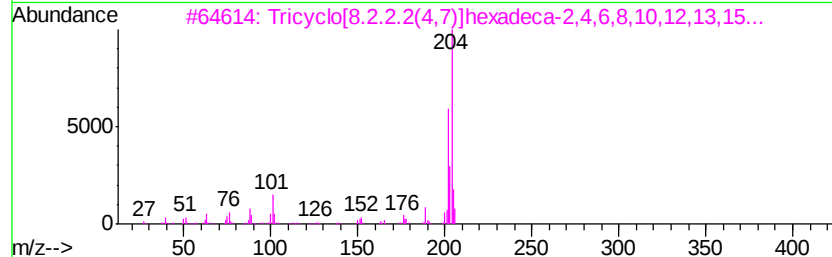
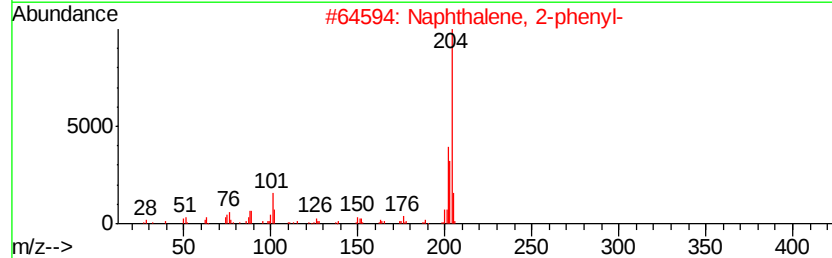
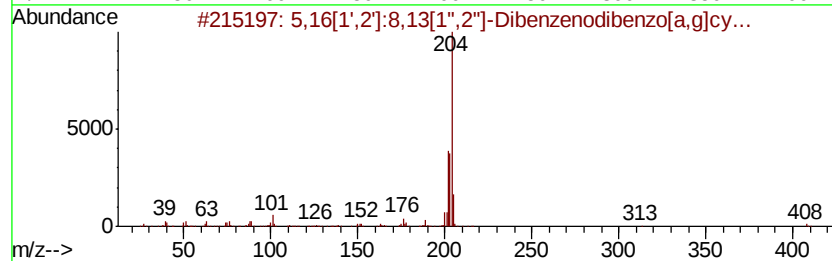
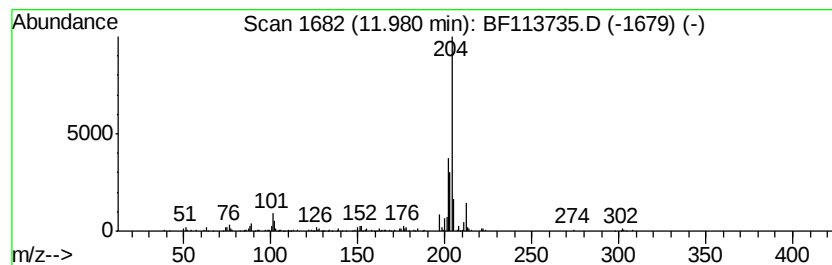
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.81 ng	115004	Phenanthrene-d10	11.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72		
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70		
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62		
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50		
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47		



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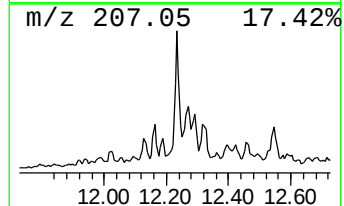
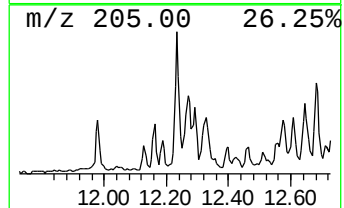
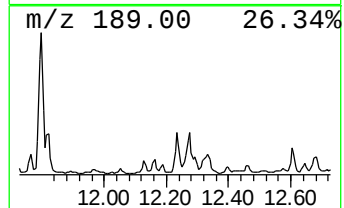
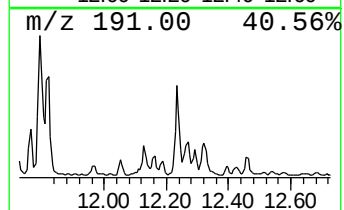
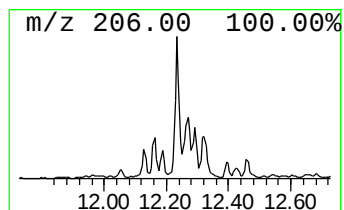
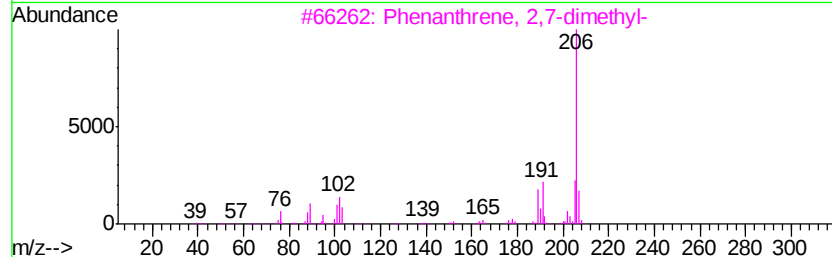
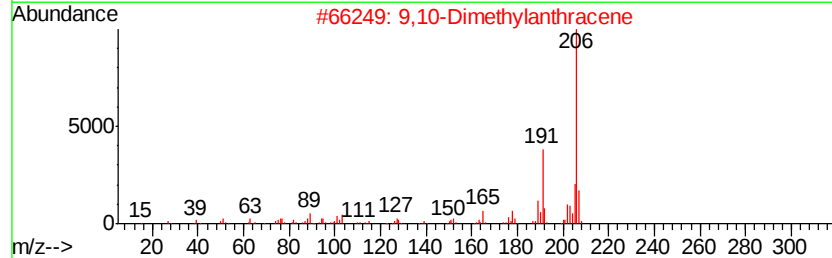
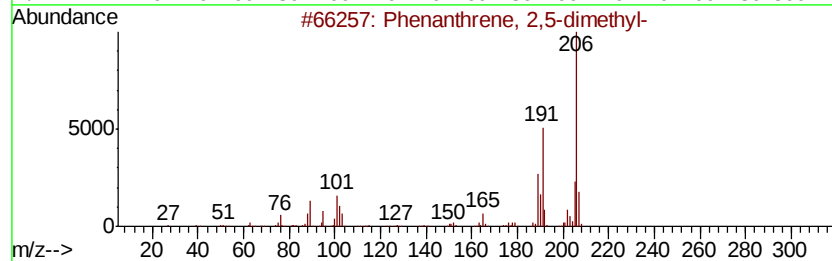
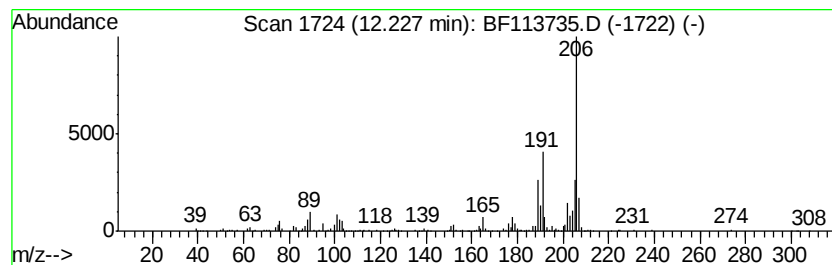
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	7.63 ng	311740	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	92



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113735.D
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ClientSampleId :
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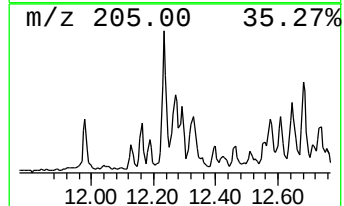
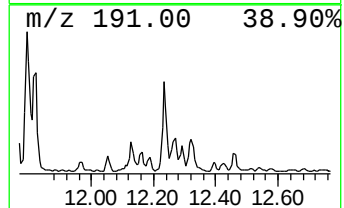
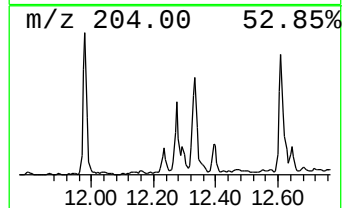
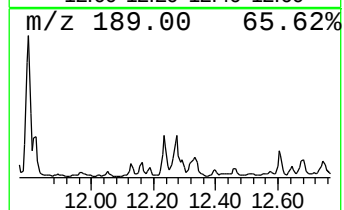
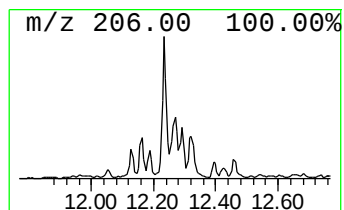
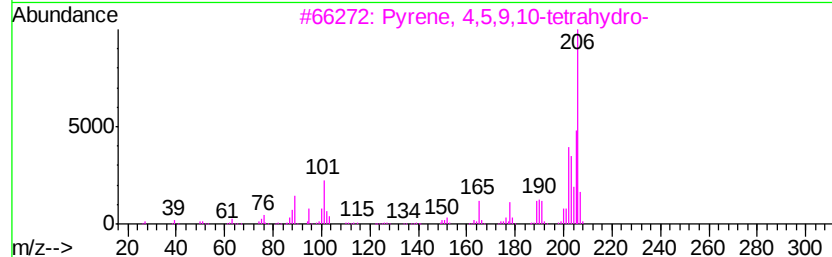
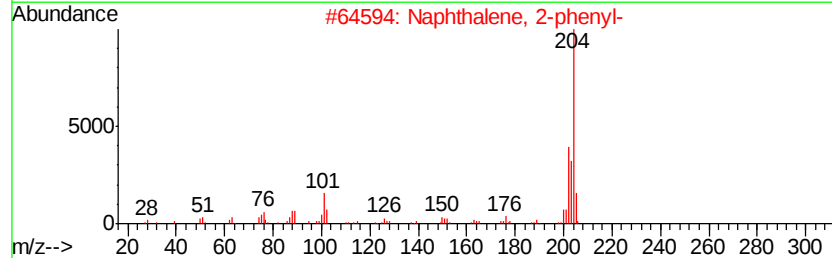
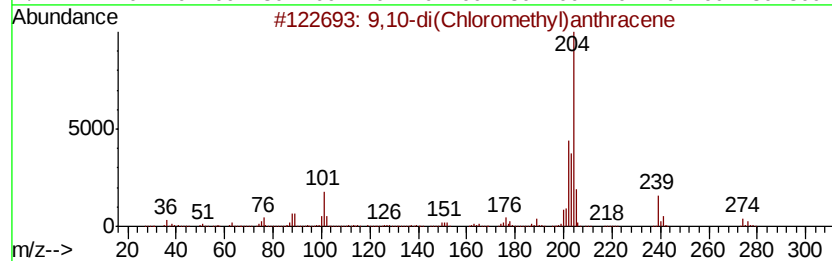
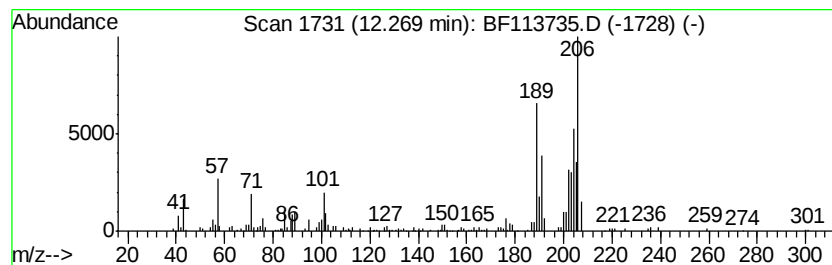
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.27 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	5.73 ng	234263	Phenanthrene-d10	11.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	49		
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46		
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	44		
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43		
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30		



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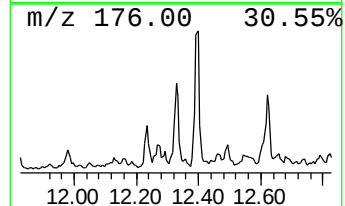
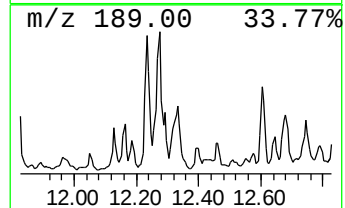
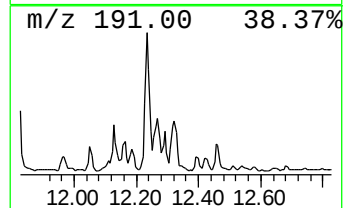
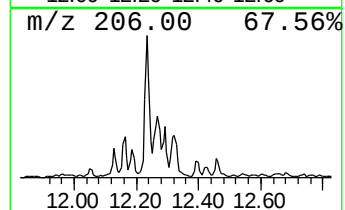
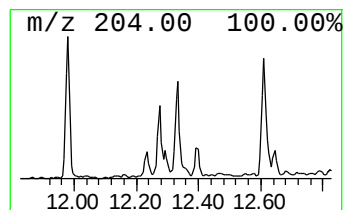
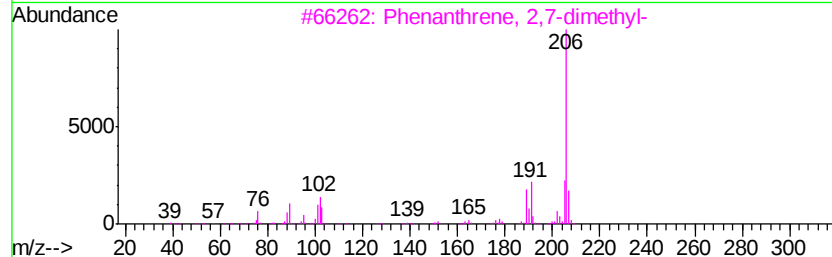
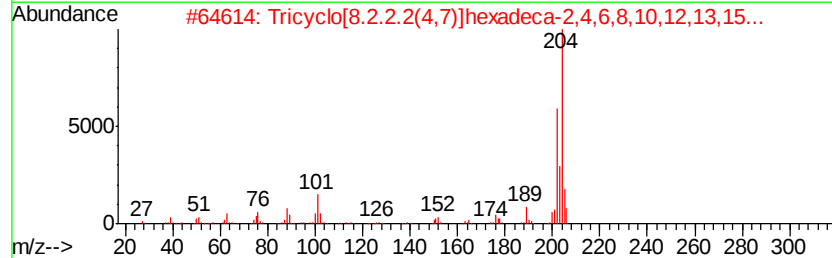
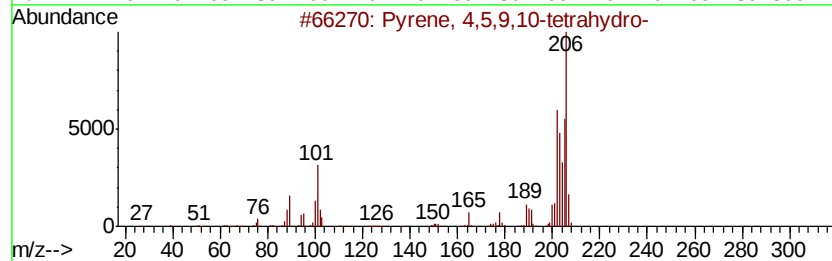
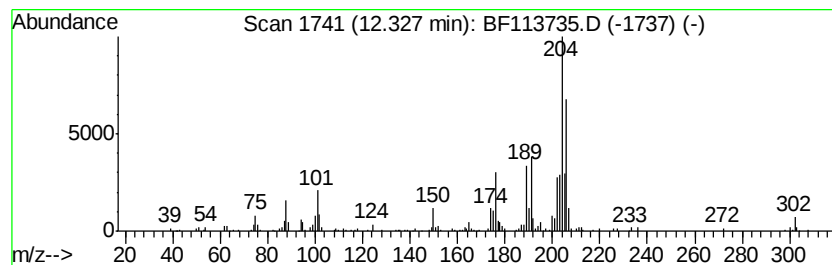
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown12.33 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.00 ng	163291	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	48
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	45
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	42
4		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	42
5		Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
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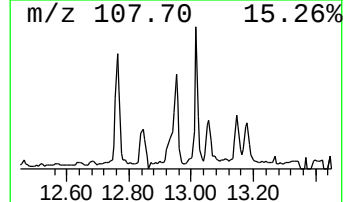
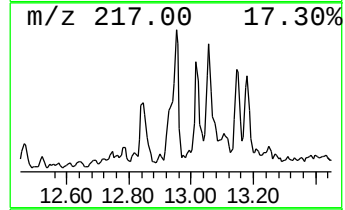
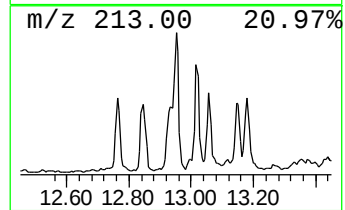
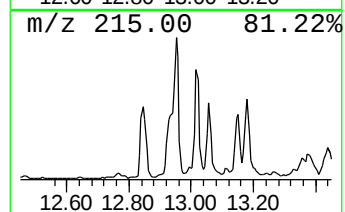
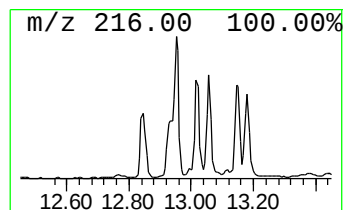
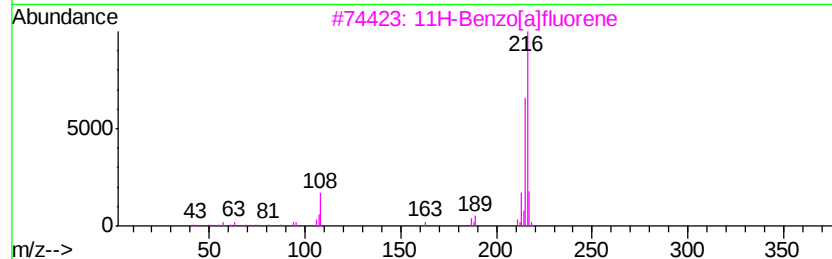
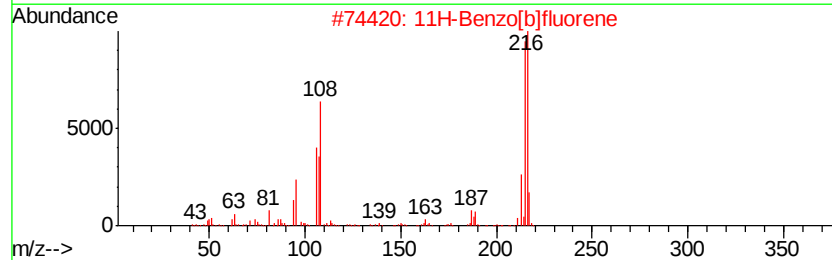
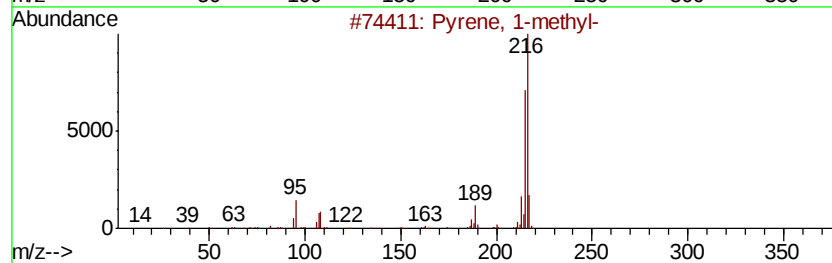
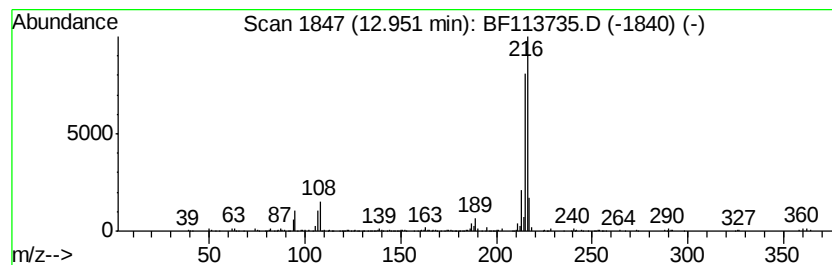
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	5.19 ng	523073	Chrysene-d12	13.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 94
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 93
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 92
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-7-D

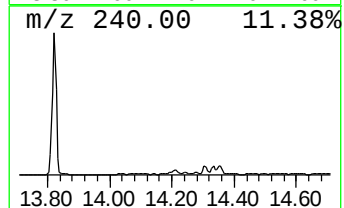
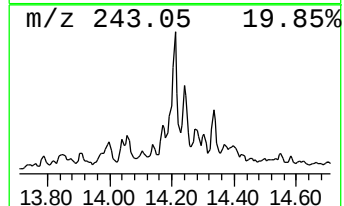
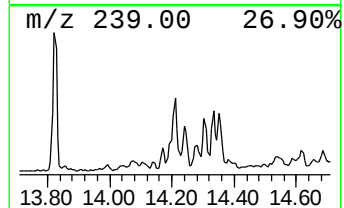
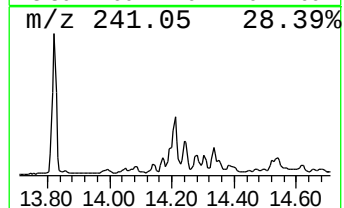
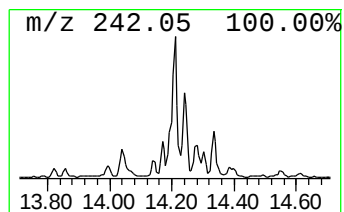
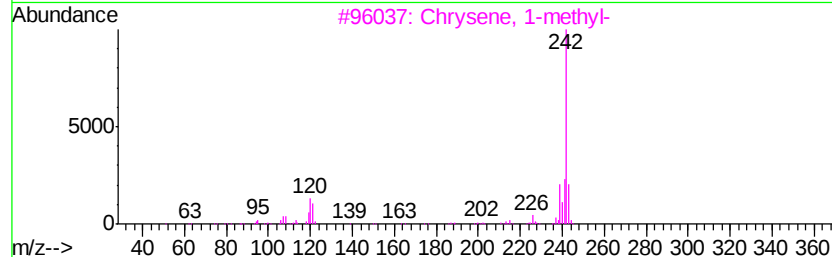
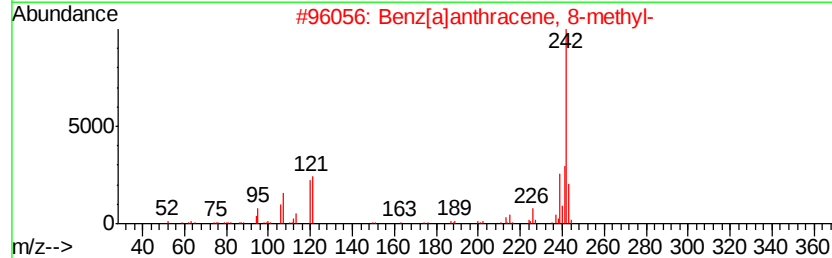
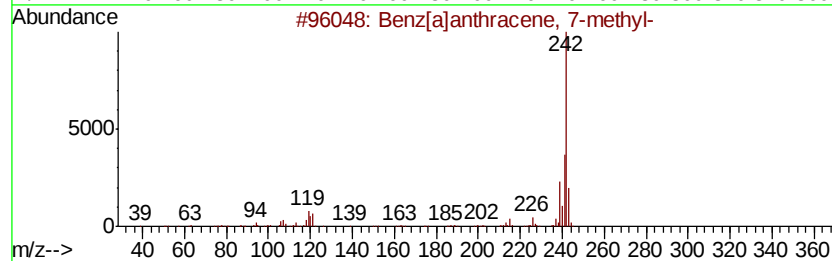
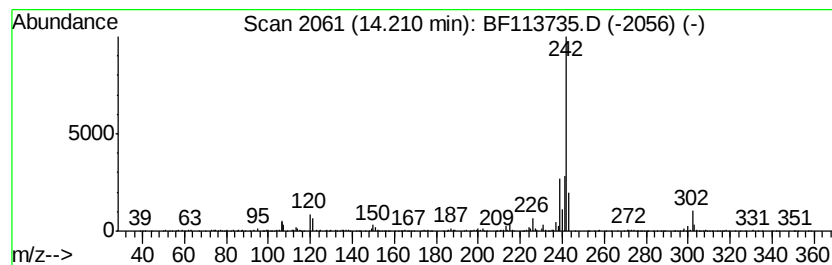
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	3.78 ng	380972	Chrysene-d12	13.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2			Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
3			Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
4			1H-Benz[flindene, 2-phenyl-	242	C19H14	1000305-22-4	89
5			Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113735.D
Acq On : 11 Apr 2019 22:22
Operator : JU/SJ
Sample : K2358-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-D

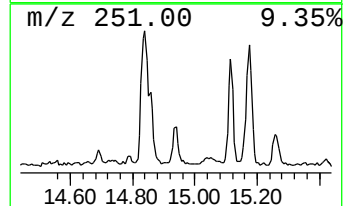
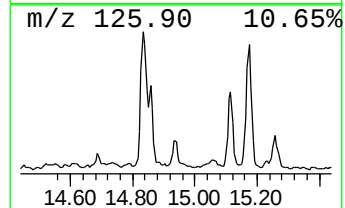
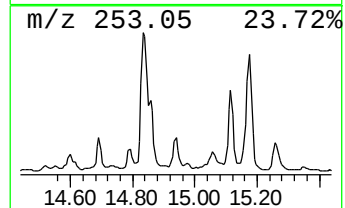
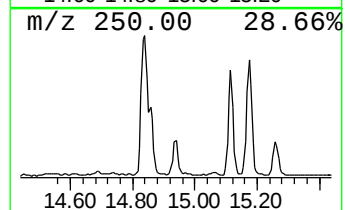
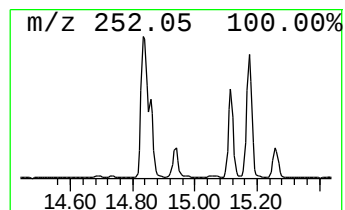
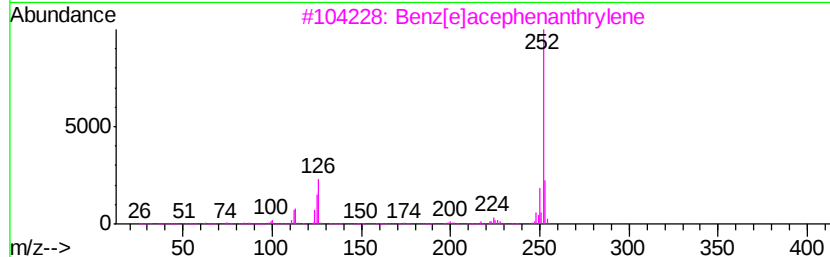
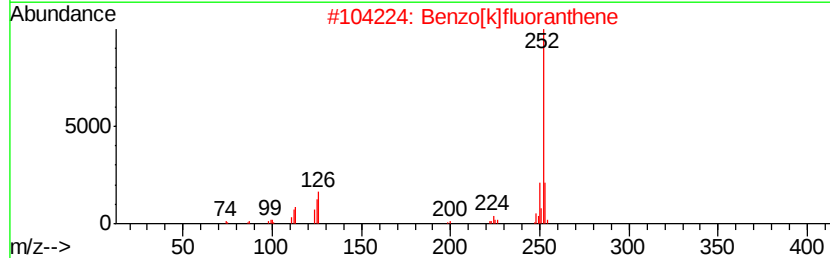
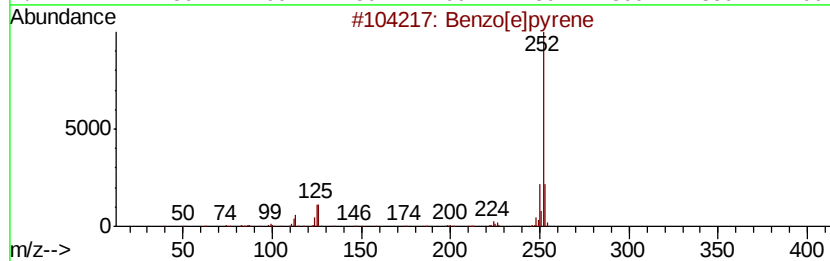
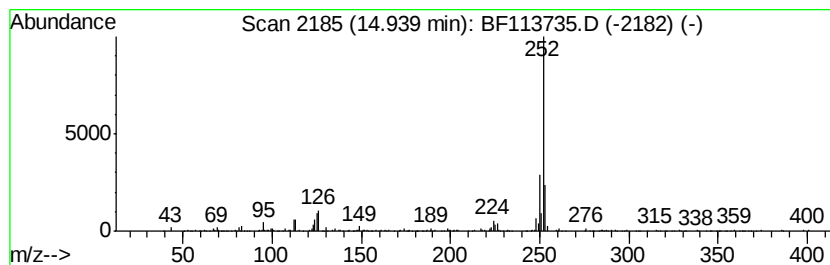
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	3.72 ng	155954	Perylene-d12	15.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Benzo[a]pyrene	252	C20H12	000050-32-8	90
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041119\
 Data File : BF113735.D
 Acq On : 11 Apr 2019 22:22
 Operator : JU/SJ
 Sample : K2358-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.45	6.45	63.6	ng	2420820	1	6.67	760860	20.0
Heptadecane, 2,6-...	8.38	3.5	ng	195648	2	7.95	1104990	20.0
Tridecane	8.55	5.0	ng	275878	2	7.95	1104990	20.0
Tetradecane	9.12	8.0	ng	374706	3	9.70	938419	20.0
Hexadecane	9.64	4.5	ng	208702	3	9.70	938419	20.0
Dodecane, 3-methyl-	10.61	4.6	ng	189005	4	11.19	817292	20.0
Anthracene, 2-met...	11.69	5.9	ng	242845	4	11.19	817292	20.0
Phenanthrene, 2-m...	11.72	8.5	ng	348572	4	11.19	817292	20.0
Phenanthrene, 1-m...	11.76	3.6	ng	147166	4	11.19	817292	20.0
Anthracene, 1-met...	11.79	12.1	ng	495656	4	11.19	817292	20.0
Anthracene, 9-met...	11.82	5.2	ng	212182	4	11.19	817292	20.0
5,16[1',2']:8,13[...	11.98	2.8	ng	115004	4	11.19	817292	20.0
Phenanthrene, 2,5...	12.23	7.6	ng	311740	4	11.19	817292	20.0
unknown12.27	12.27	5.7	ng	234263	4	11.19	817292	20.0
unknown12.33	12.33	4.0	ng	163291	4	11.19	817292	20.0
Pyrene, 1-methyl-	12.95	5.2	ng	523073	5	13.82	2017110	20.0
Benz[a]anthracene...	14.21	3.8	ng	380972	5	13.82	2017110	20.0
Benzo[e]pyrene	14.94	3.7	ng	155954	6	15.23	838364	20.0