

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111919\
 Data File : BF117873.D
 Acq On : 19 Nov 2019 21:30
 Operator : JU
 Sample : K5838-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UC-TP

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-BF111319.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	2.187	11	17	24	rVB	440547	561916	5.73%	0.346%
2	5.128	509	517	525	rBV	519111	666653	6.80%	0.411%
3	5.528	580	585	588	rBV	3637955	3333769	34.00%	2.054%
4	6.534	751	756	768	rVB	3440192	3809923	38.85%	2.347%
5	6.681	777	781	784	rBV	4112539	3747647	38.22%	2.309%
6	6.916	817	821	824	rBV	1335894	1111922	11.34%	0.685%
7	7.075	843	848	851	rBV	3276775	2973100	30.32%	1.832%
8	7.475	909	916	919	rBV	2755570	2513482	25.63%	1.549%
9	8.198	1036	1039	1042	rBV	1697851	1552744	15.83%	0.957%
10	9.281	1218	1223	1226	rBV	5505264	4616053	47.07%	2.844%
11	9.675	1287	1290	1298	rVB2	498401	616332	6.28%	0.380%
12	9.822	1312	1315	1319	rVB	938568	862522	8.80%	0.531%
13	9.963	1332	1339	1342	rBV	2021155	1826600	18.63%	1.125%
14	10.163	1369	1373	1377	rVV	411626	483814	4.93%	0.298%
15	10.281	1389	1393	1396	rBV2	406229	389572	3.97%	0.240%
16	10.510	1429	1432	1439	rVB2	626434	720183	7.34%	0.444%
17	10.751	1468	1473	1477	rBV	2664789	2674094	27.27%	1.648%
18	10.869	1490	1493	1501	rBV2	746145	1193977	12.18%	0.736%
19	11.063	1521	1526	1529	rBV2	466281	573784	5.85%	0.354%
20	11.216	1550	1552	1556	rVV3	349988	368371	3.76%	0.227%
21	11.263	1556	1560	1563	rVV3	333364	410057	4.18%	0.253%
22	11.322	1563	1570	1572	rVV2	687915	882693	9.00%	0.544%
23	11.351	1572	1575	1581	rVB	883078	829674	8.46%	0.511%
24	11.457	1590	1593	1595	rBV	1553445	1497515	15.27%	0.923%
25	11.486	1595	1598	1601	rVV	5411640	4832703	49.28%	2.977%
26	11.533	1603	1606	1609	rVB	1848635	1342177	13.69%	0.827%
27	11.569	1609	1612	1614	rVB2	362072	388564	3.96%	0.239%
28	11.751	1640	1643	1646	rVV2	723515	629659	6.42%	0.388%
29	11.792	1646	1650	1655	rVB2	578855	622101	6.34%	0.383%
30	11.963	1675	1679	1681	rVV	2041224	1923187	19.61%	1.185%
31	11.992	1681	1684	1687	rVV	2777016	2807094	28.63%	1.729%
32	12.039	1689	1692	1695	rVV	839528	778145	7.94%	0.479%
33	12.075	1695	1698	1700	rVV2	2666226	2778008	28.33%	1.712%
34	12.098	1700	1702	1706	rVB	1818703	1440561	14.69%	0.888%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

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Stop Thrs : 0

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Max Peaks: 100

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.157	1706	1712	1716	rBV4	525525	751685	7.67%	0.463%
36	12.257	1721	1729	1731	rBV	1179793	1309506	13.35%	0.807%
37	12.280	1731	1733	1740	rVB3	577184	705997	7.20%	0.435%
38	12.410	1753	1755	1757	rVV	716906	619272	6.31%	0.382%
39	12.439	1757	1760	1762	rVV	956592	870307	8.87%	0.536%
40	12.463	1762	1764	1767	rVB	589537	470145	4.79%	0.290%
41	12.516	1769	1773	1776	rVV	1919051	2129340	21.71%	1.312%
42	12.551	1776	1779	1781	rVV2	1291606	1600138	16.32%	0.986%
43	12.575	1781	1783	1785	rVV	770510	615585	6.28%	0.379%
44	12.604	1785	1788	1793	rVV2	1210768	1597769	16.29%	0.984%
45	12.686	1797	1802	1805	rVV	7219275	8060928	82.20%	4.966%
46	12.722	1805	1808	1810	rVV	487133	591067	6.03%	0.364%
47	12.739	1810	1811	1814	rVV2	559011	524222	5.35%	0.323%
48	12.774	1814	1817	1820	rVV	1186527	1231010	12.55%	0.758%
49	12.810	1820	1823	1825	rVV2	325755	450944	4.60%	0.278%
50	12.833	1825	1827	1830	rVV4	479607	629928	6.42%	0.388%
51	12.922	1835	1842	1846	rVV2	7284689	9806413	100.00%	6.042%
52	12.963	1846	1849	1853	rVV2	778276	938202	9.57%	0.578%
53	13.022	1853	1859	1861	rVV2	633416	941801	9.60%	0.580%
54	13.051	1861	1864	1871	rVB	4135289	4398928	44.86%	2.710%
55	13.127	1872	1877	1881	rBV3	1145341	1943453	19.82%	1.197%
56	13.180	1884	1886	1888	rBV2	412911	363187	3.70%	0.224%
57	13.216	1888	1892	1893	rVV2	999013	1169111	11.92%	0.720%
58	13.239	1893	1896	1899	rVB	2059665	1889918	19.27%	1.164%
59	13.286	1899	1904	1905	rBV3	287616	457134	4.66%	0.282%
60	13.304	1905	1907	1910	rVV	1226244	1110677	11.33%	0.684%
61	13.345	1910	1914	1916	rVV2	2097302	2152653	21.95%	1.326%
62	13.369	1916	1918	1921	rVV2	345843	441240	4.50%	0.272%
63	13.398	1921	1923	1926	rVV2	341965	438973	4.48%	0.270%
64	13.439	1926	1930	1932	rVV	1480384	1573719	16.05%	0.970%
65	13.469	1932	1935	1938	rVV	1627220	1606446	16.38%	0.990%
66	13.551	1946	1949	1952	rVB3	296402	373405	3.81%	0.230%
67	13.639	1957	1964	1966	rBV4	459876	915249	9.33%	0.564%
68	13.745	1979	1982	1987	rVB	1278267	1498118	15.28%	0.923%
69	13.857	1996	2001	2004	rBV3	1245925	1905146	19.43%	1.174%
70	13.886	2004	2006	2008	rVV	969641	708883	7.23%	0.437%
71	13.910	2008	2010	2014	rVV2	620236	827018	8.43%	0.510%

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 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
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 Stop Thrs : 0 Peak Location: TOP

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72	13.957	2015	2018	2022	rVB	1103843	1111098	11.33%	0.685%
73	14.110	2037	2044	2047	rBV3	5092135	7869813	80.25%	4.849%
74	14.145	2047	2050	2056	rVB	5354909	5250451	53.54%	3.235%
75	14.198	2056	2059	2061	rBV	482546	428882	4.37%	0.264%
76	14.221	2061	2063	2066	rBV	459003	385298	3.93%	0.237%
77	14.257	2066	2069	2070	rBV	420754	426923	4.35%	0.263%
78	14.327	2079	2081	2086	rBV3	363682	580845	5.92%	0.358%
79	14.433	2095	2099	2101	rBV4	296625	392188	4.00%	0.242%
80	14.463	2101	2104	2106	rVV	521309	530916	5.41%	0.327%
81	14.498	2106	2110	2113	rVV	1968267	2281216	23.26%	1.405%
82	14.533	2113	2116	2119	rVV	1301637	1269055	12.94%	0.782%
83	14.574	2119	2123	2125	rVV4	1065479	1404321	14.32%	0.865%
84	14.627	2129	2132	2134	rVV	1177446	1297139	13.23%	0.799%
85	14.645	2134	2135	2139	rVV2	770309	645894	6.59%	0.398%
86	14.698	2140	2144	2147	rVV3	502661	691498	7.05%	0.426%
87	14.845	2166	2169	2174	rVB4	349418	571607	5.83%	0.352%
88	14.898	2174	2178	2180	rVV2	929570	989593	10.09%	0.610%
89	14.933	2181	2184	2188	rVB2	444990	552314	5.63%	0.340%
90	15.186	2220	2227	2230	rBV2	3087603	5853961	59.70%	3.607%
91	15.251	2234	2238	2241	rVV3	856033	1112959	11.35%	0.686%
92	15.286	2241	2244	2248	rVB	675087	733558	7.48%	0.452%
93	15.498	2274	2280	2286	rVB	2032450	2934172	29.92%	1.808%
94	15.568	2286	2292	2296	rBV	2704541	3635327	37.07%	2.240%
95	15.627	2297	2302	2304	rBV	905687	1298833	13.24%	0.800%
96	15.657	2304	2307	2314	rVB3	1187943	1834861	18.71%	1.130%
97	15.998	2362	2365	2373	rVB	281185	384986	3.93%	0.237%
98	16.110	2381	2384	2391	rVB2	481886	821480	8.38%	0.506%
99	17.162	2557	2563	2570	rVB2	998468	2006787	20.46%	1.236%
100	17.627	2635	2642	2651	rVB	774127	1639760	16.72%	1.010%

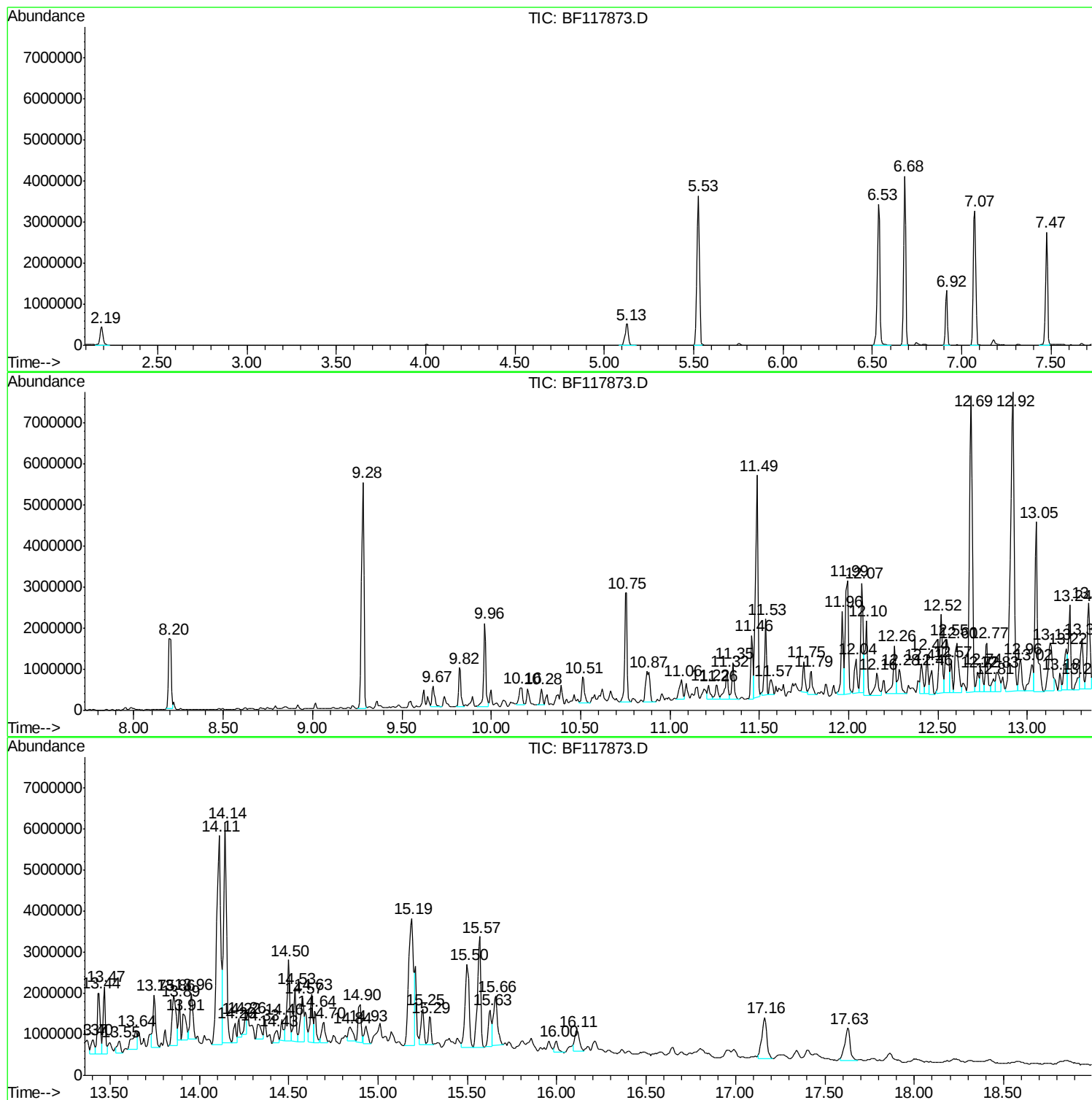
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.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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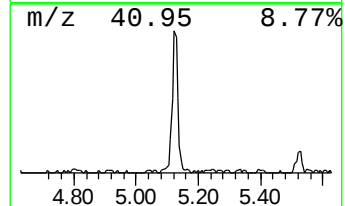
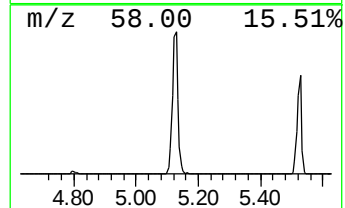
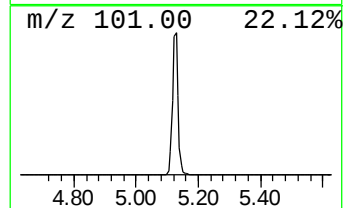
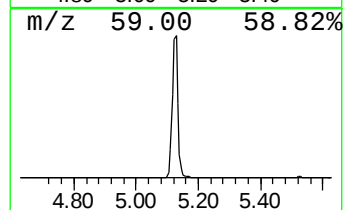
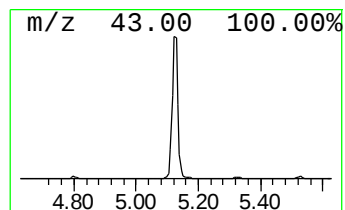
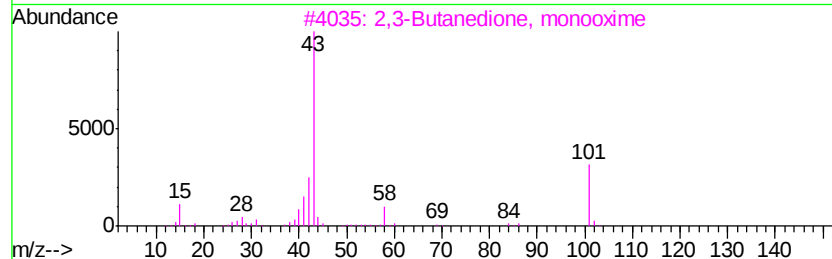
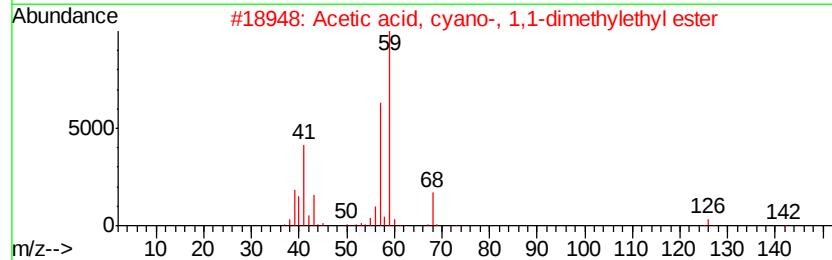
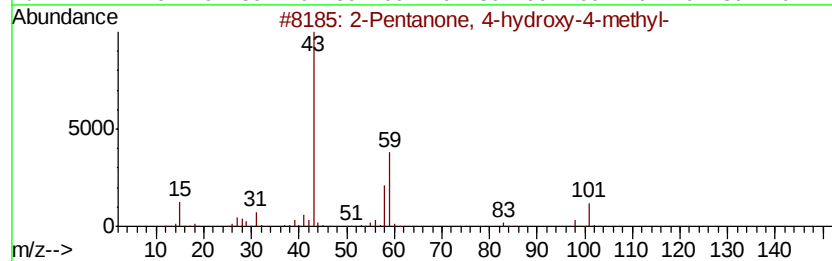
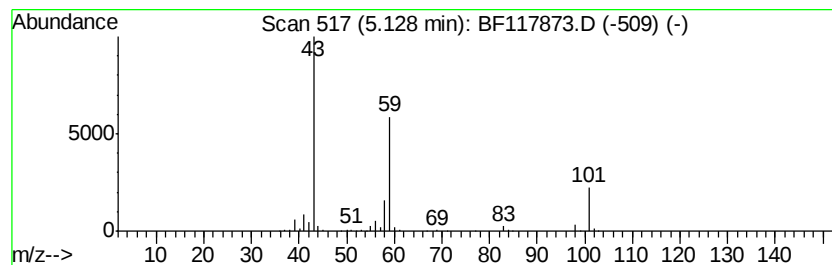
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	11.99 ng	666653	1,4-Dichlorobenzene-d4	6.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	32
3		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



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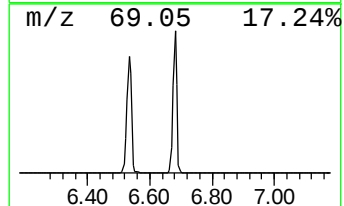
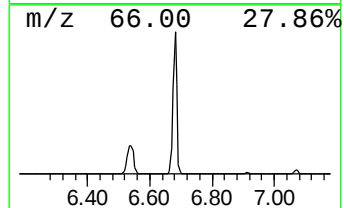
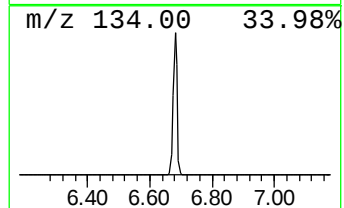
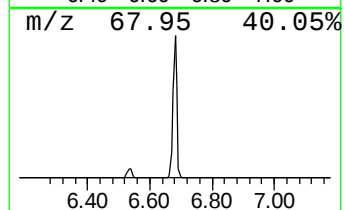
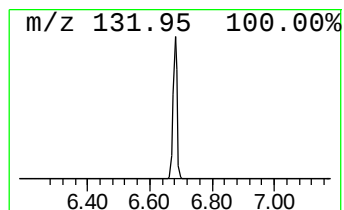
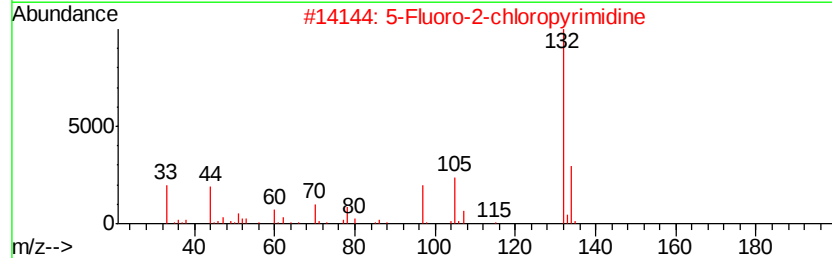
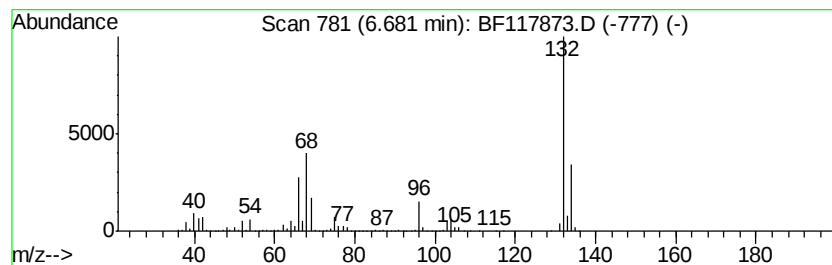
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.68 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	67.41 ng	3747650	1,4-Dichlorobenzene-d4	6.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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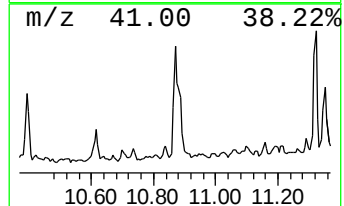
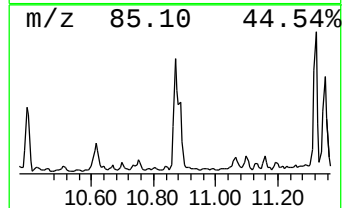
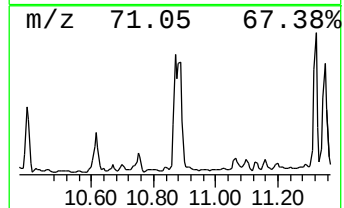
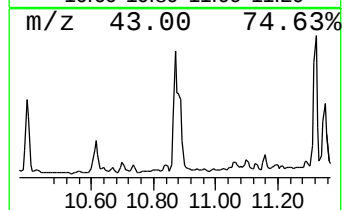
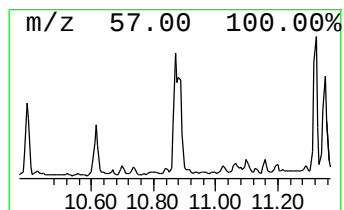
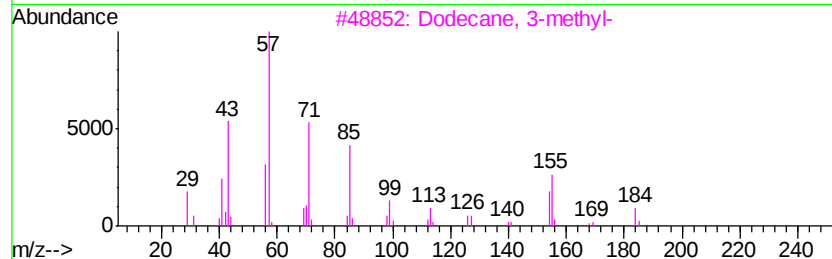
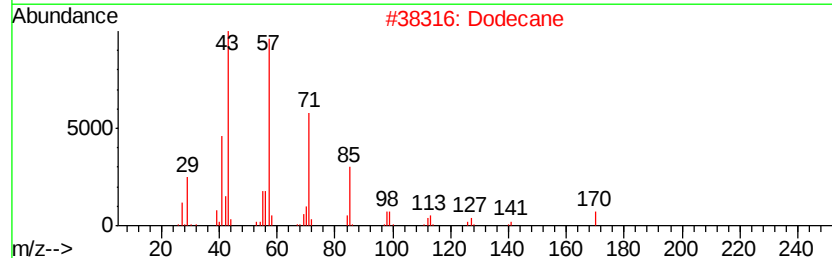
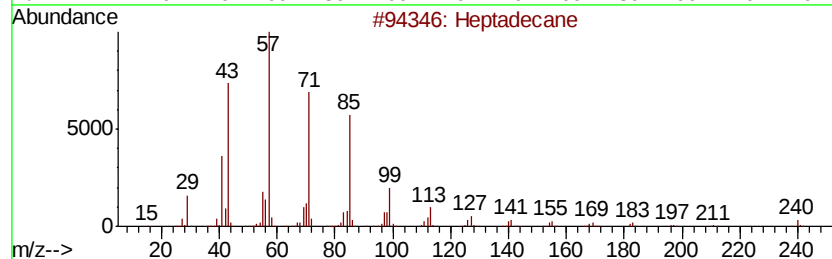
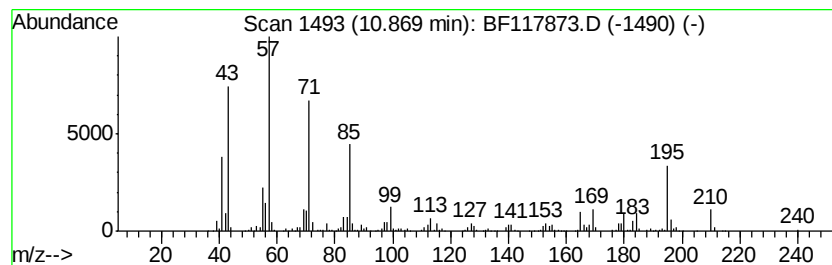
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Heptadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	15.95 ng	1193980	Phenanthrene-d10	11.46

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	91
2	Dodecane		170	C12H26	000112-40-3	55
3	Dodecane, 3-methyl-		184	C13H28	017312-57-1	53
4	2-Bromo dodecane		248	C12H25Br	013187-99-0	53
5	Eicosane		282	C20H42	000112-95-8	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117873.D
Acq On : 19 Nov 2019 21:30
Operator : JU
Sample : K5838-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
UC-TP

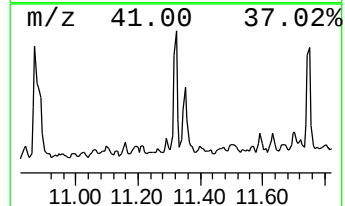
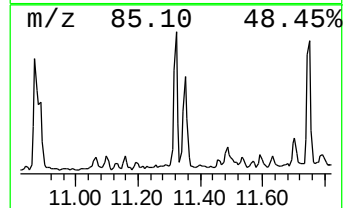
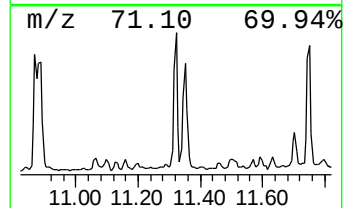
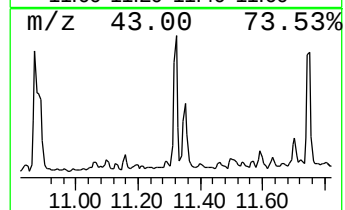
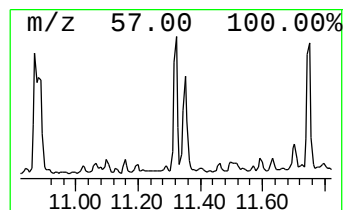
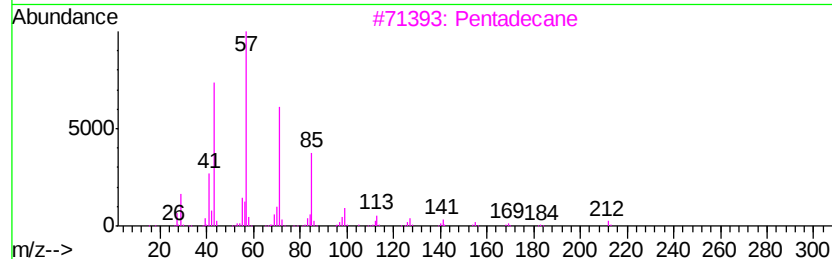
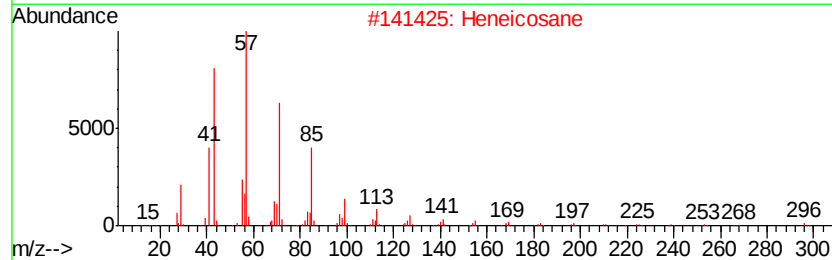
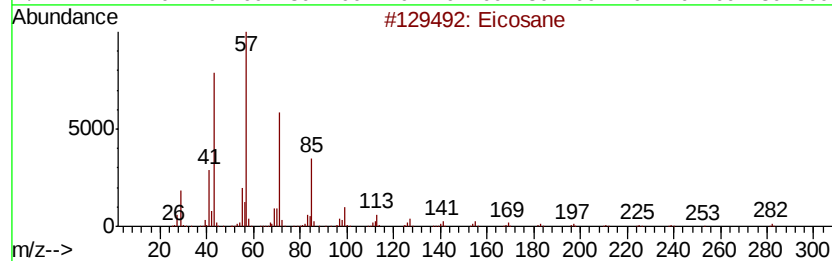
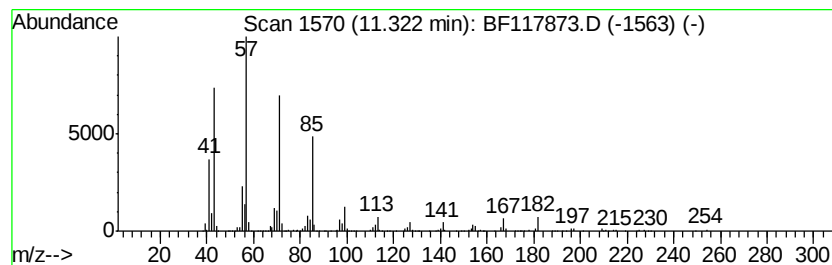
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Eicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	11.79 ng	882693	Phenanthrene-d10	11.46

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	87
2	Heneicosane		296	C21H44	000629-94-7	87
3	Pentadecane		212	C15H32	000629-62-9	83
4	Hexadecane		226	C16H34	000544-76-3	83
5	Octadecane		254	C18H38	000593-45-3	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117873.D
Acq On : 19 Nov 2019 21:30
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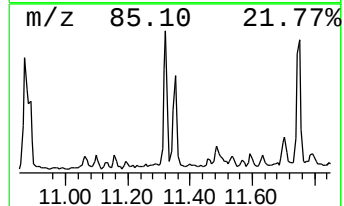
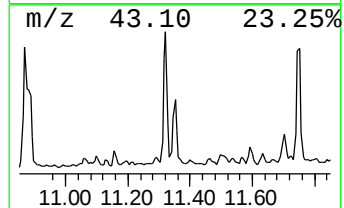
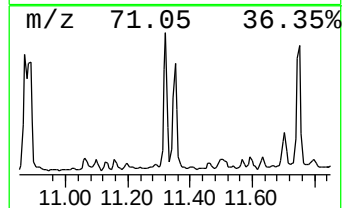
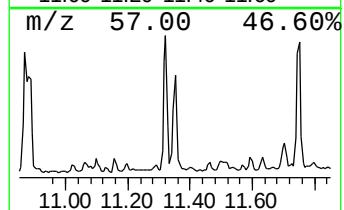
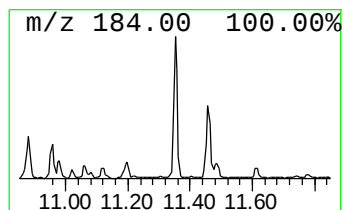
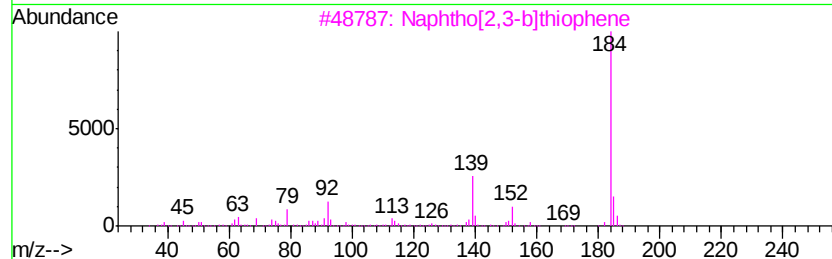
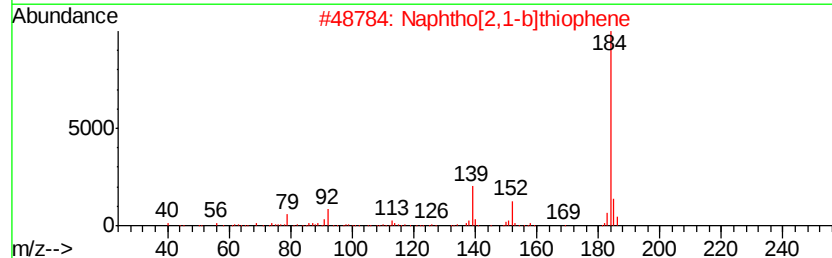
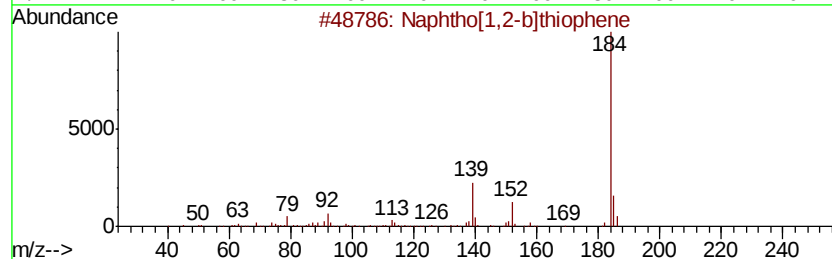
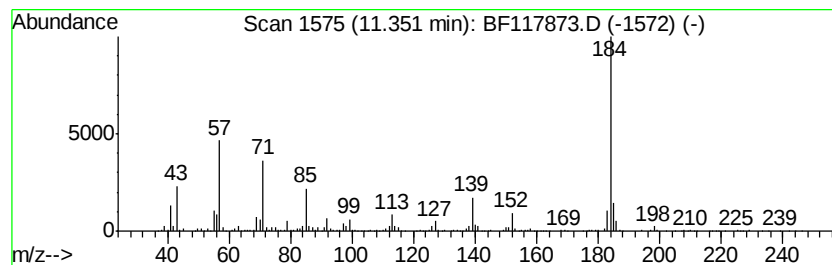
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[1,2-b]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	11.08 ng	829674	Phenanthrene-d10	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83
4		Dibenzothiophene	184	C12H8S	000132-65-0	83
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117873.D
Acq On : 19 Nov 2019 21:30
Operator : JU
Sample : K5838-01
Misc :
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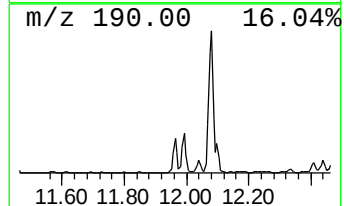
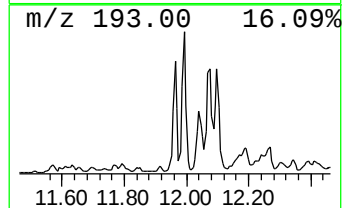
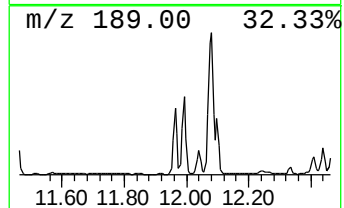
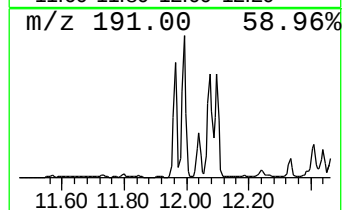
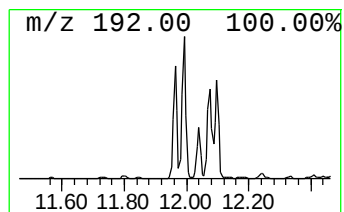
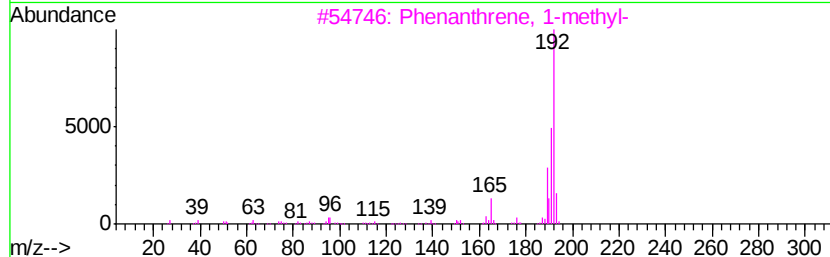
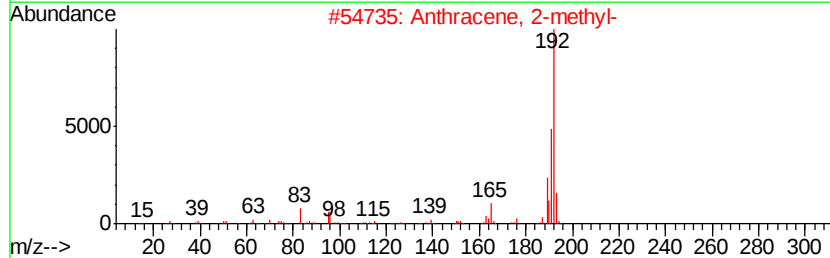
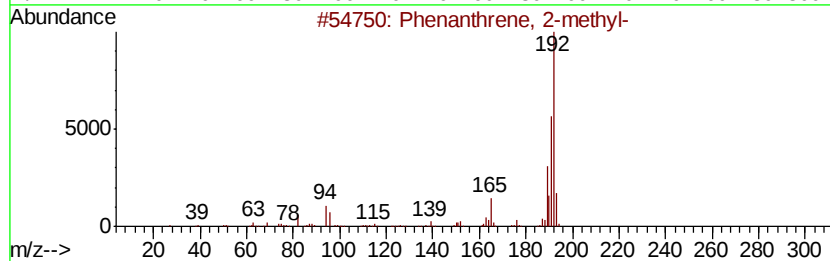
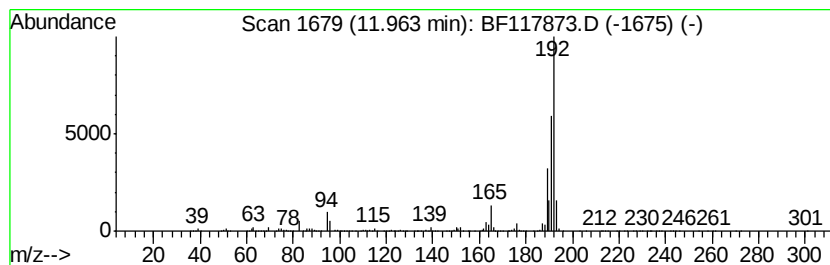
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	25.69 ng	1923190	Phenanthrene-d10	11.46

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
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ClientSampleId :
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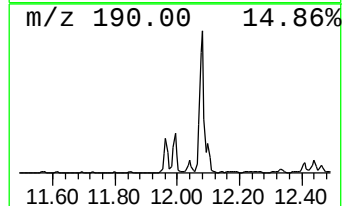
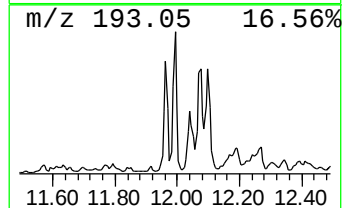
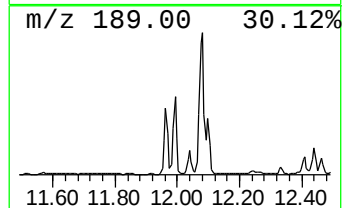
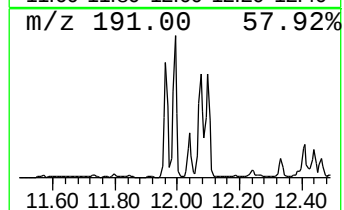
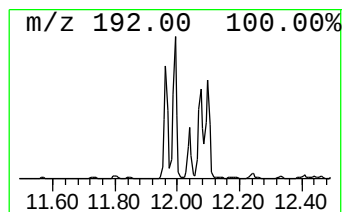
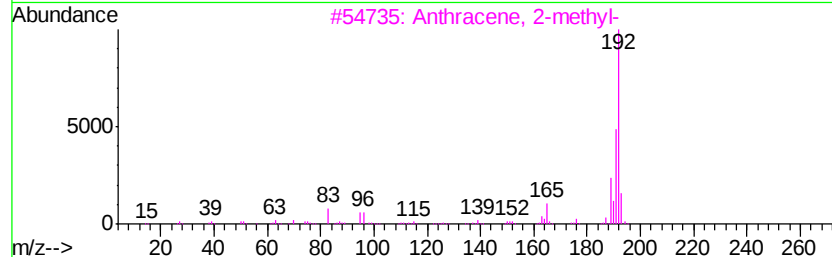
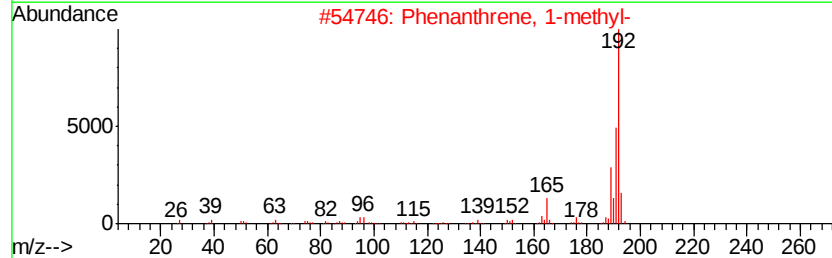
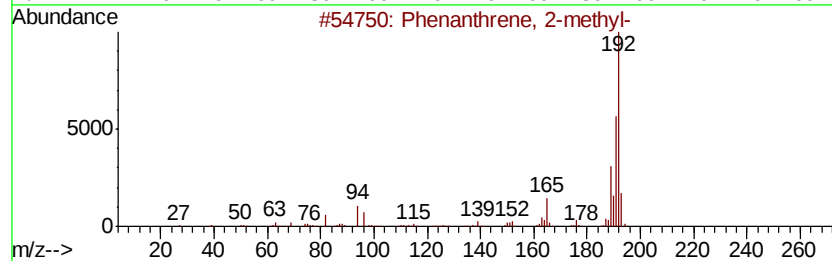
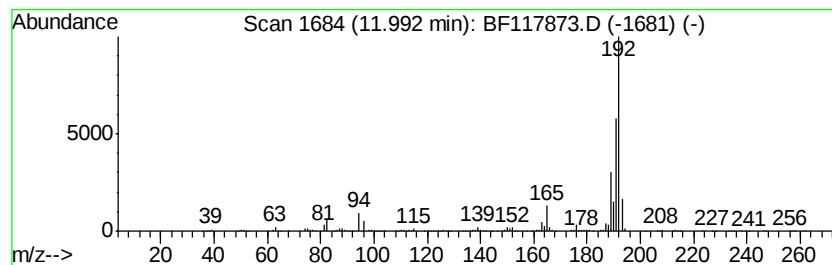
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	37.49 ng	2807090	Phenanthrene-d10	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
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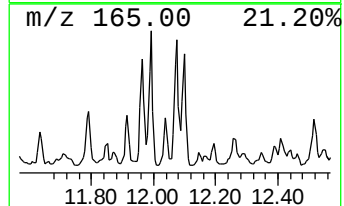
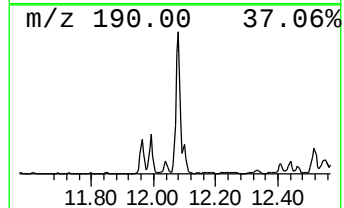
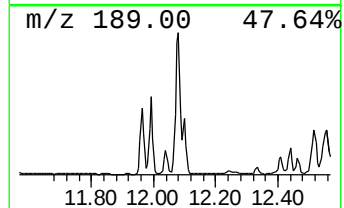
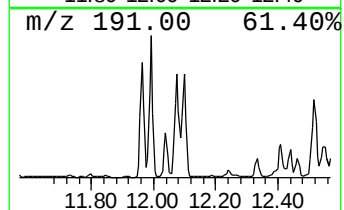
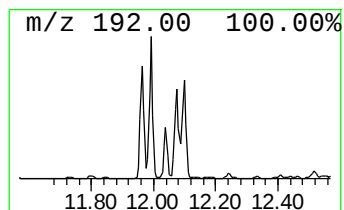
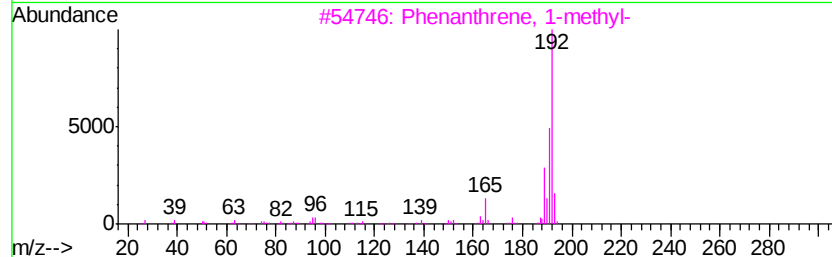
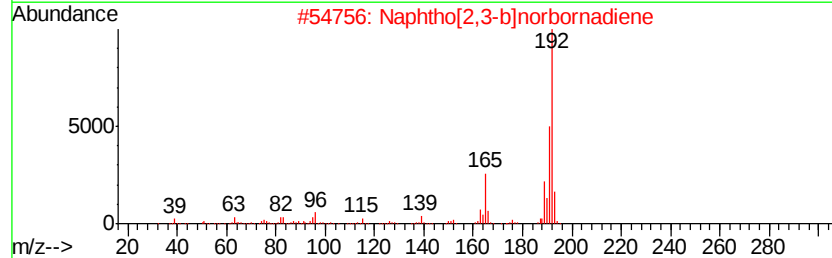
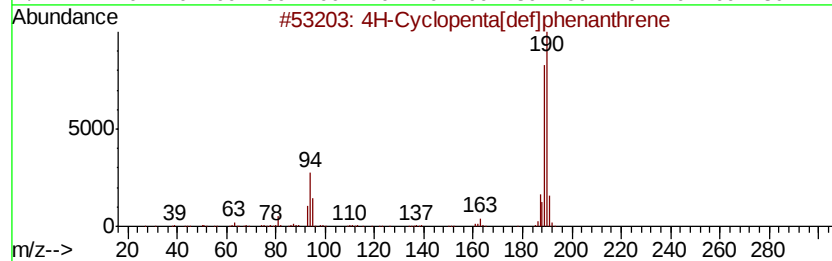
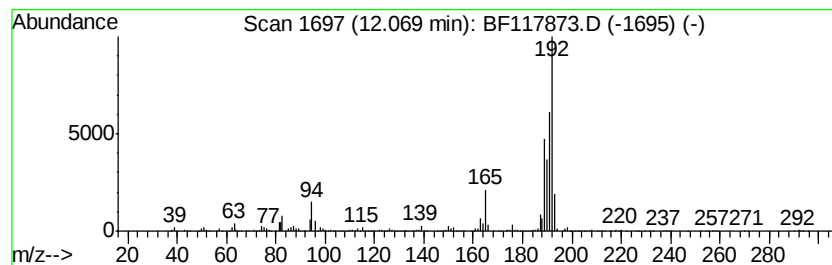
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	37.10 ng	2778010	Phenanthrene-d10	11.46

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
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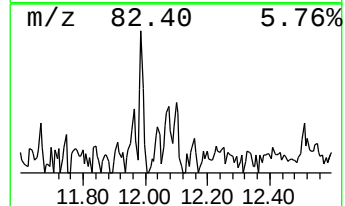
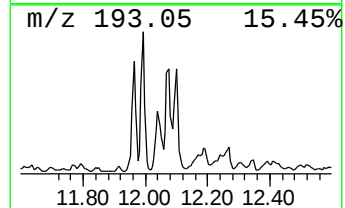
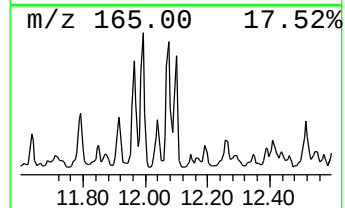
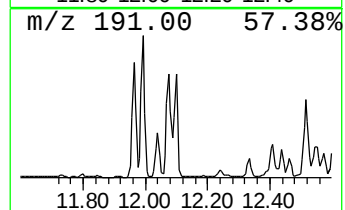
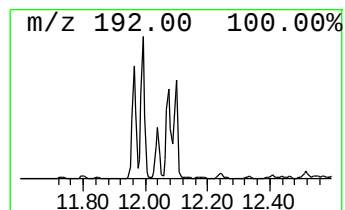
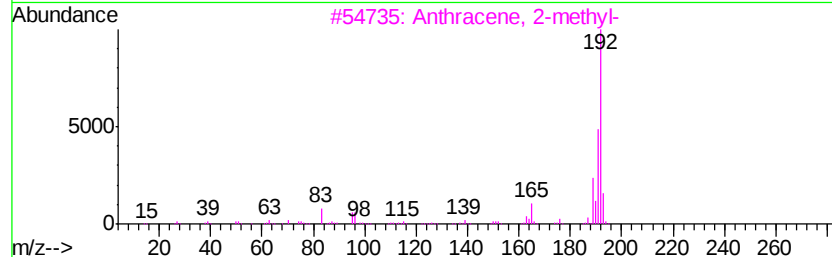
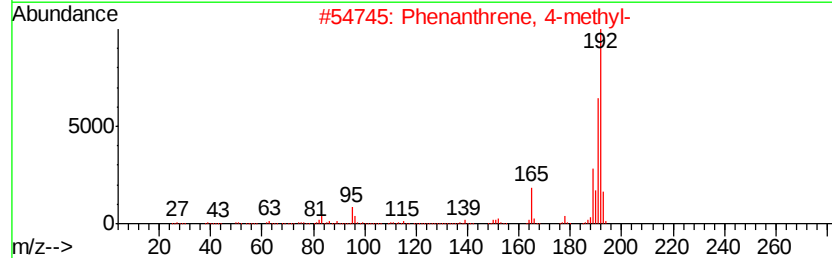
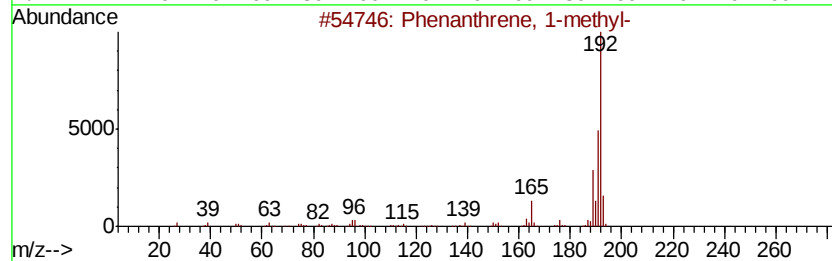
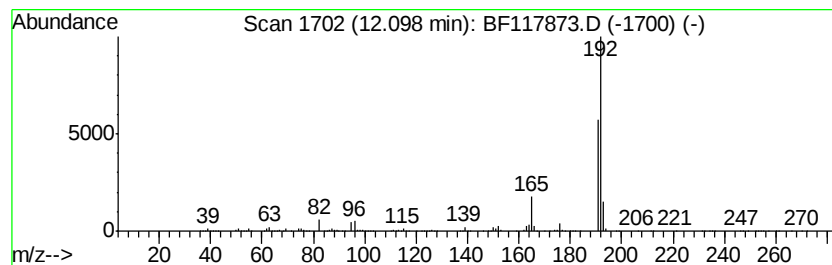
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	19.24 ng	1440560	Phenanthrene-d10	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	91
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
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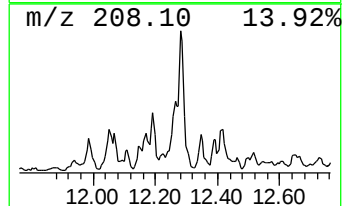
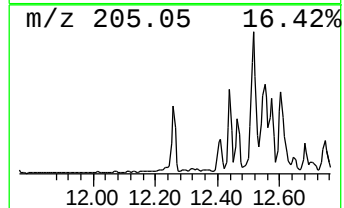
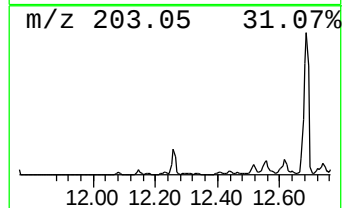
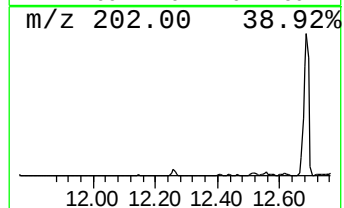
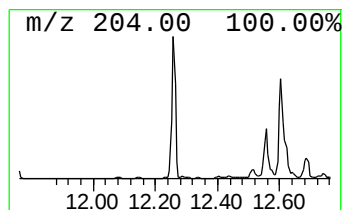
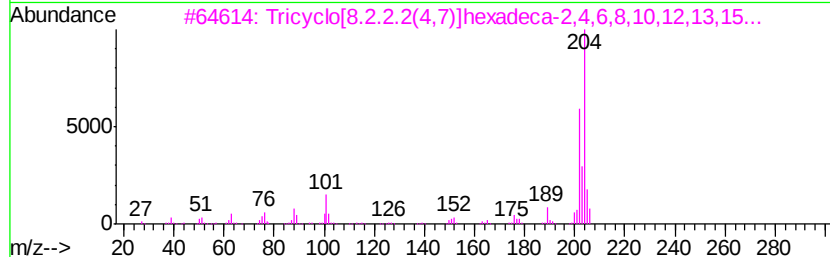
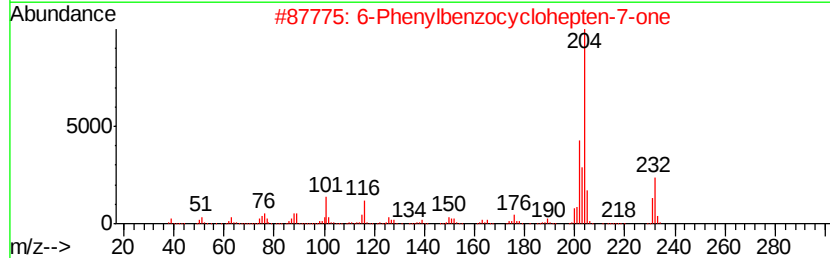
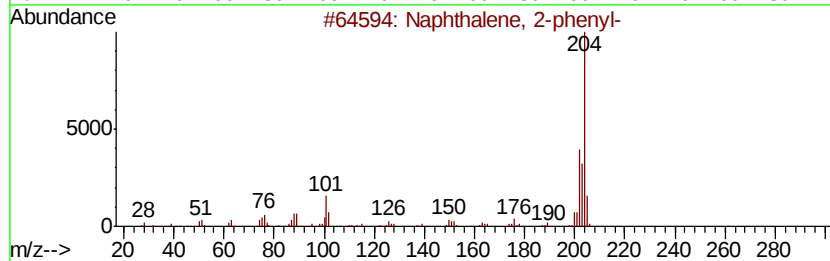
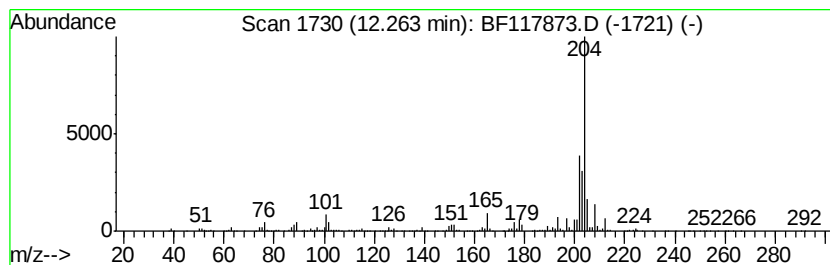
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	17.49 ng	1309510	Phenanthrene-d10	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	83
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5		Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117873.D
Acq On : 19 Nov 2019 21:30
Operator : JU
Sample : K5838-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

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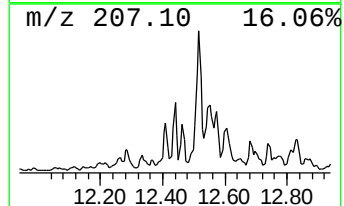
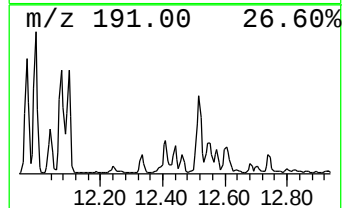
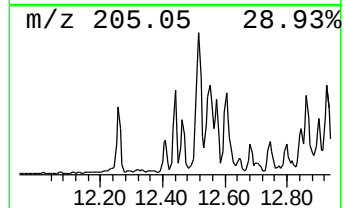
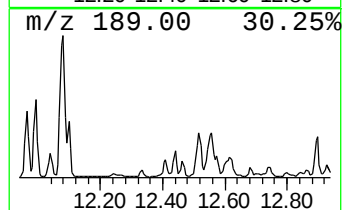
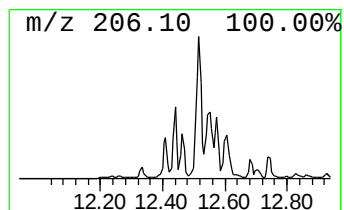
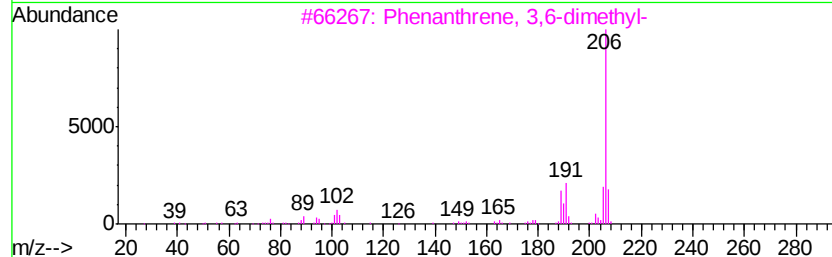
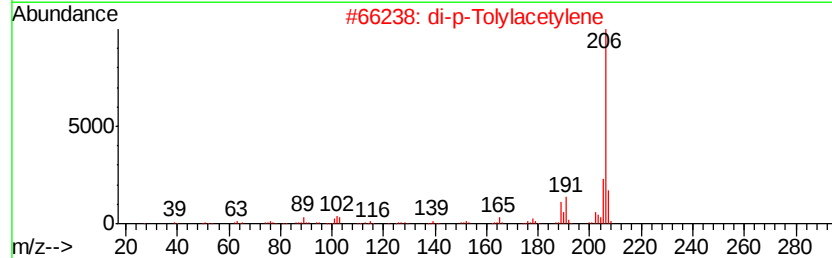
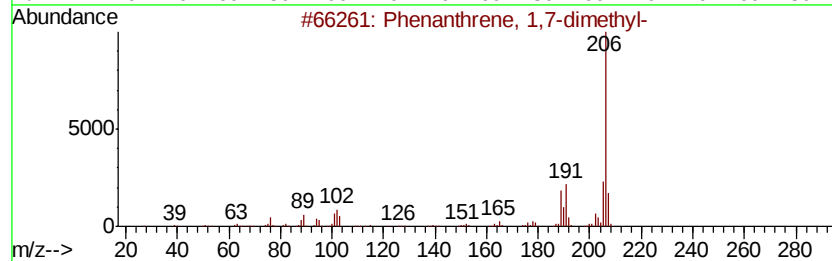
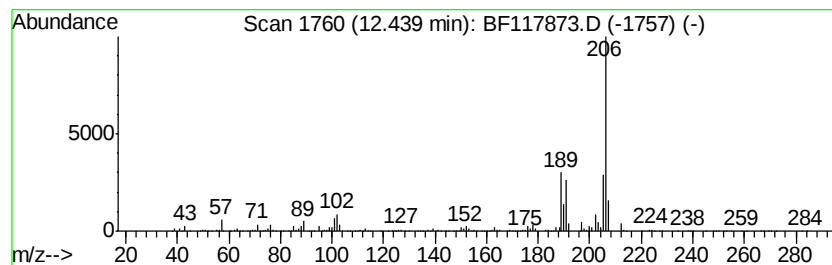
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	11.62 ng	870307	Phenanthrene-d10	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
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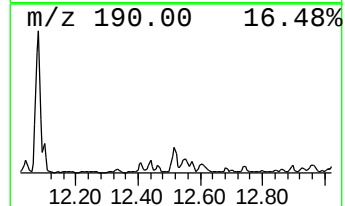
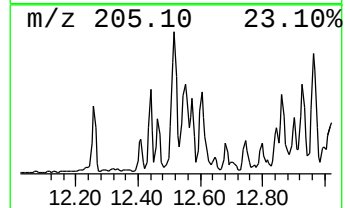
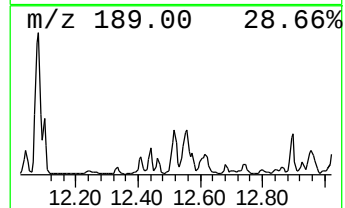
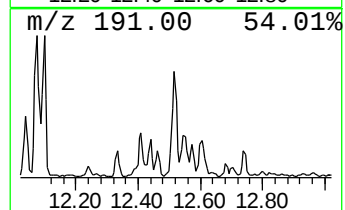
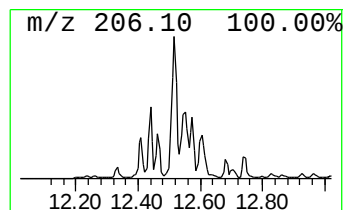
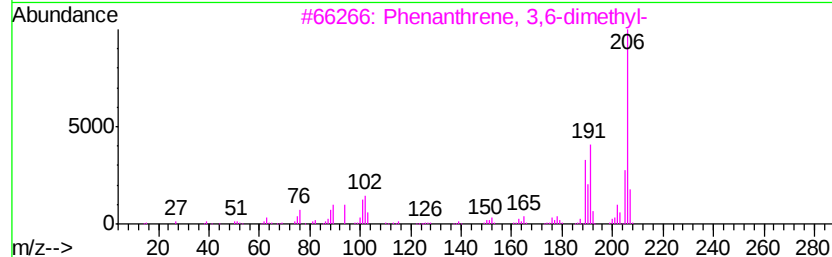
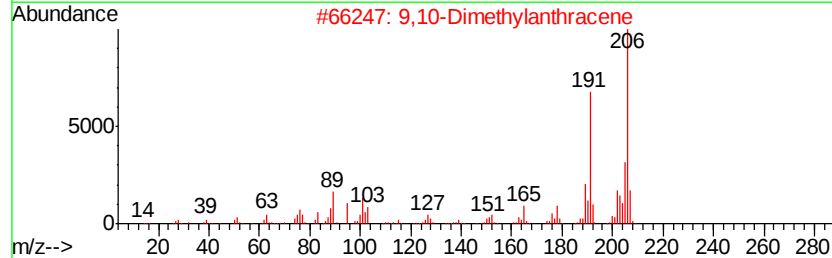
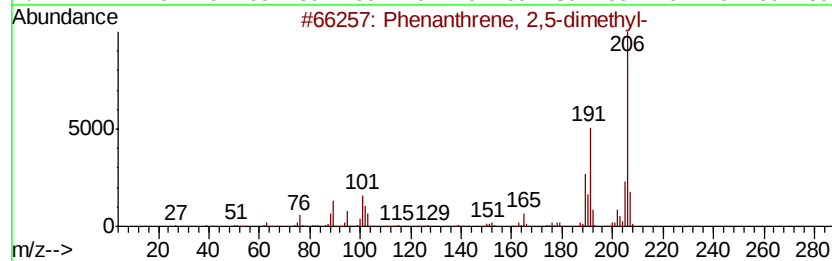
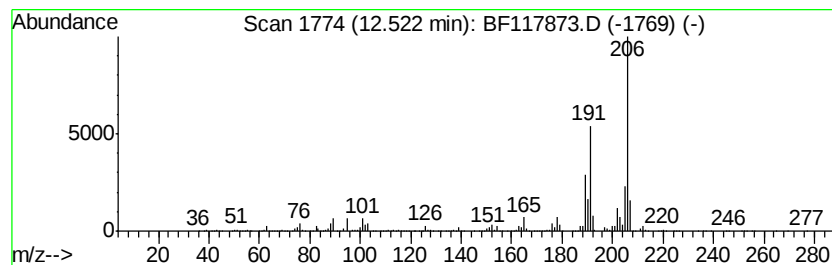
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	28.44 ng	2129340	Phenanthrene-d10	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
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Misc :
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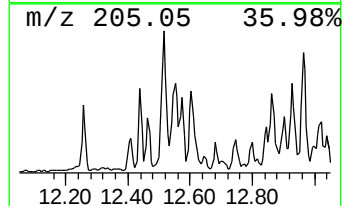
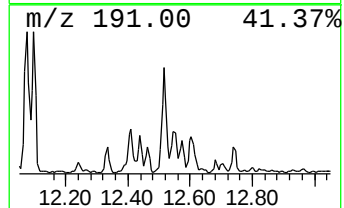
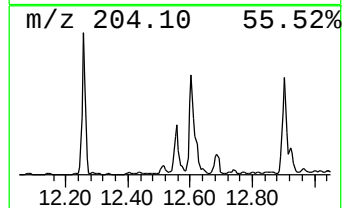
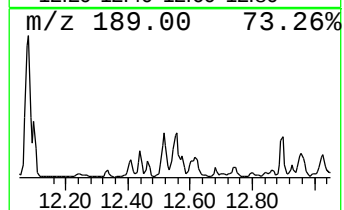
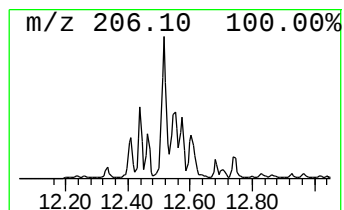
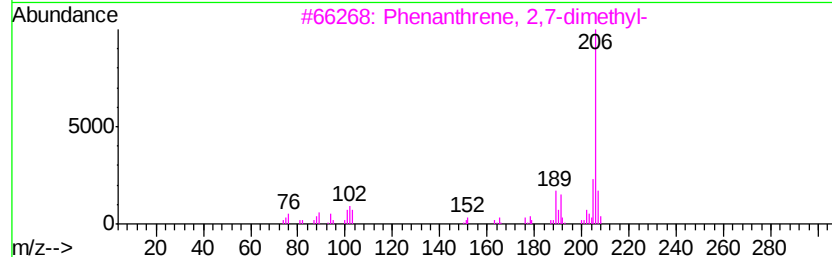
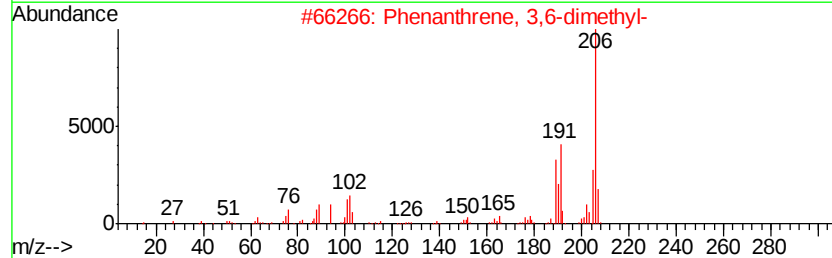
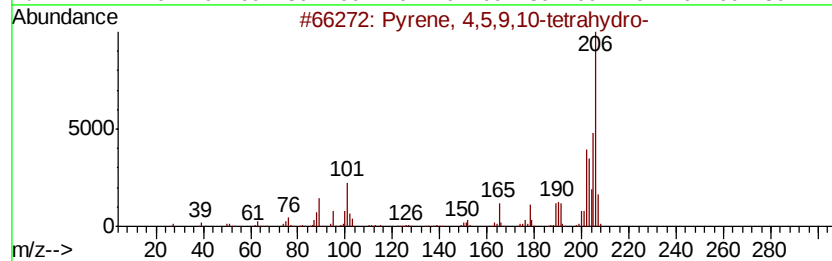
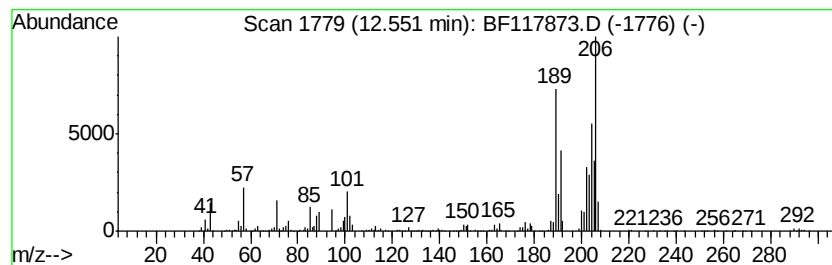
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	21.37 ng	1600140	Phenanthrene-d10	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	56
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	49
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	49
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
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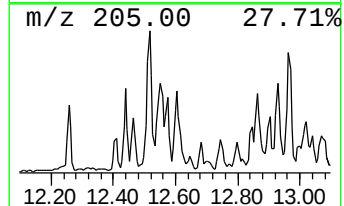
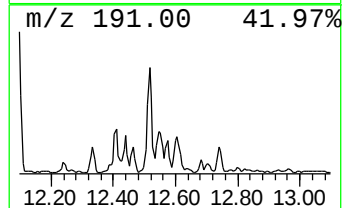
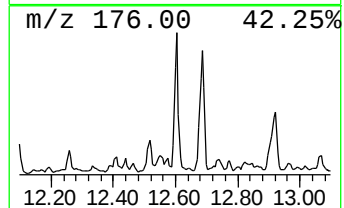
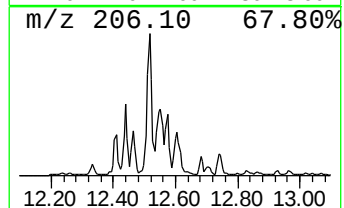
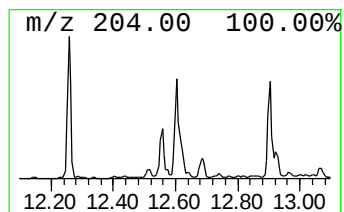
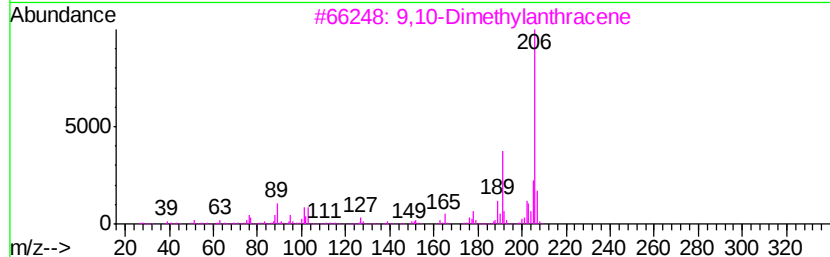
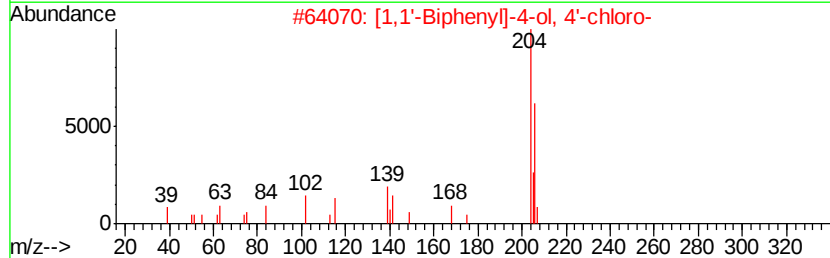
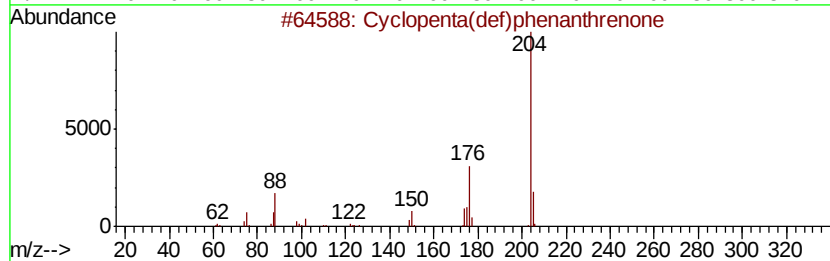
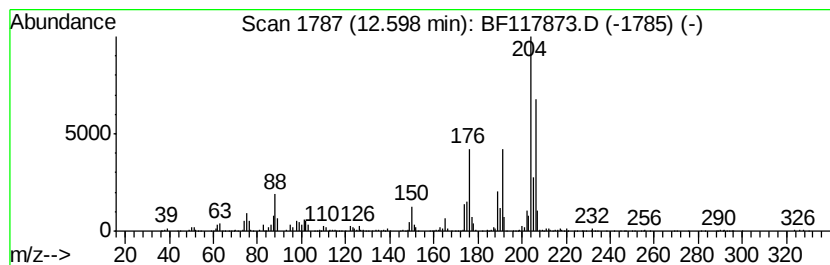
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	21.34 ng	1597770	Phenanthrene-d10	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
4		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41



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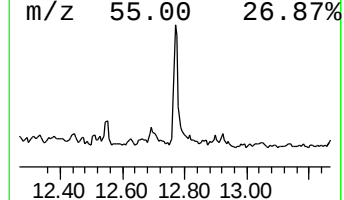
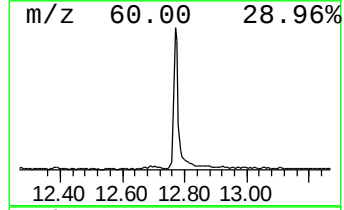
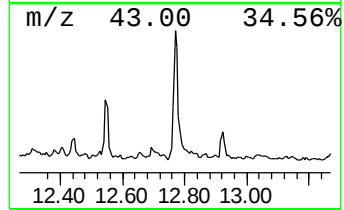
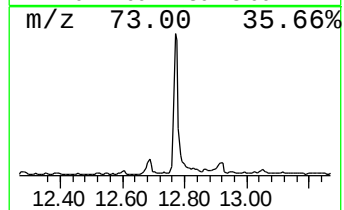
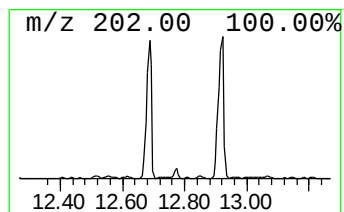
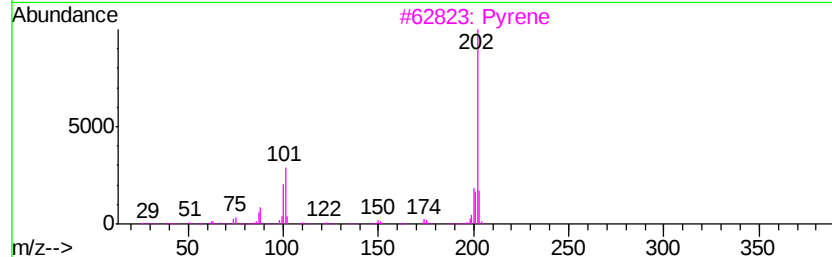
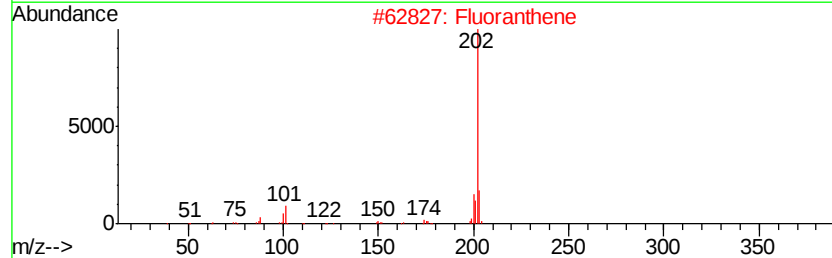
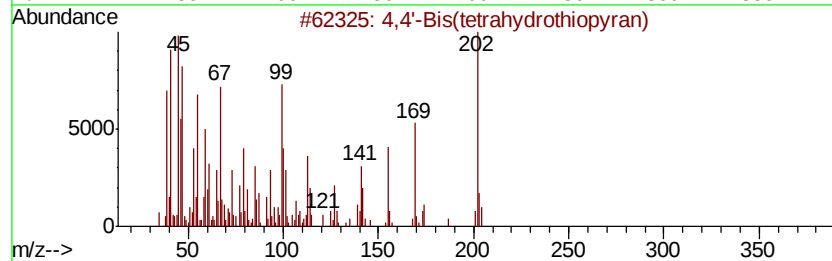
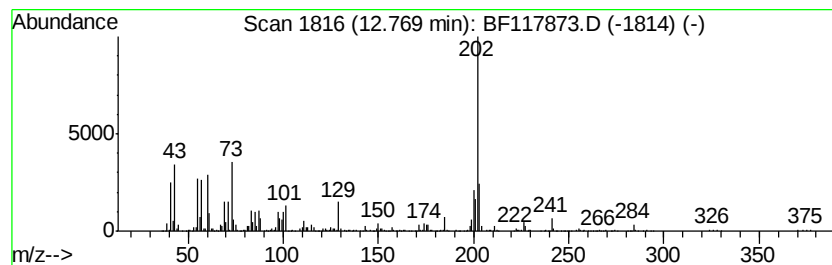
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	16.44 ng	1231010	Phenanthrene-d10	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	95
2		Fluoranthene	202	C16H10	000206-44-0	91
3		Pyrene	202	C16H10	000129-00-0	70
4		1H-Indole-3-propanoic acid, 1-(t...	275	C15H21N02Si	056196-72-6	58
5		Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	53



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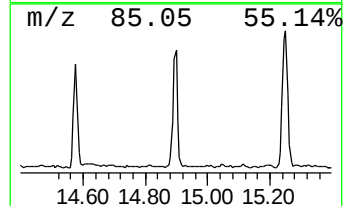
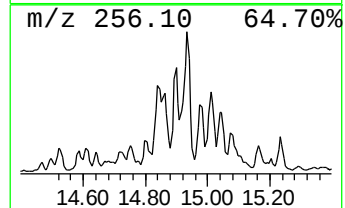
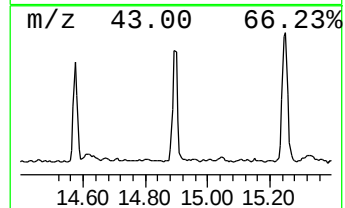
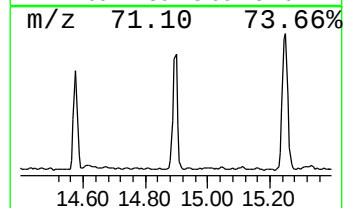
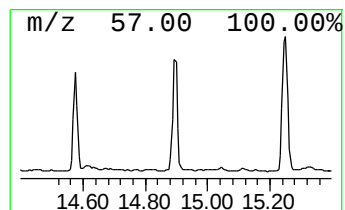
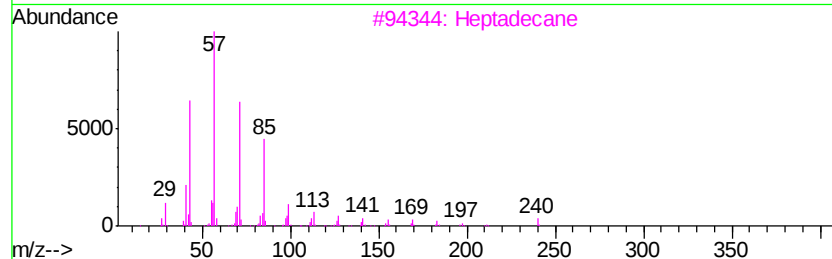
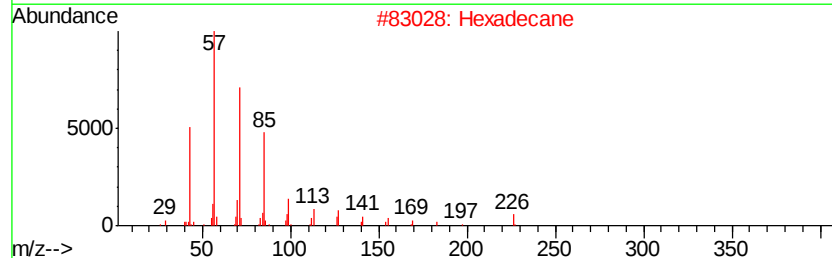
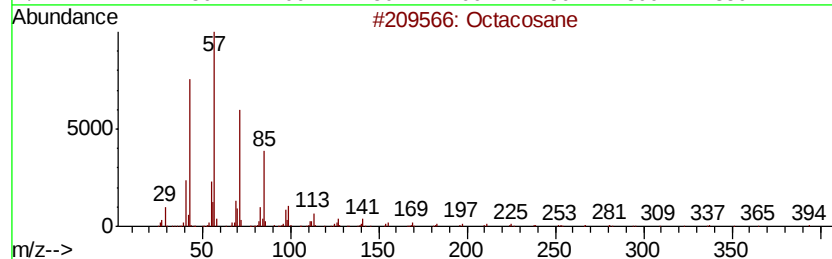
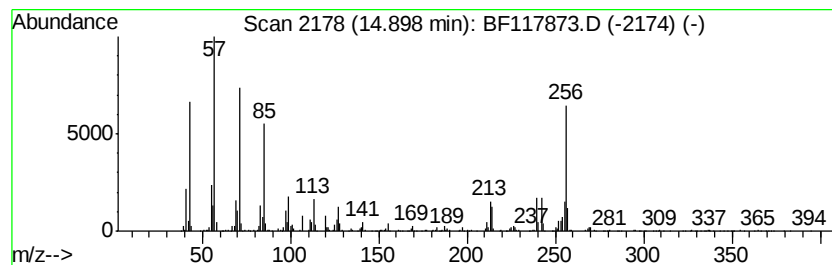
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Octacosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	15.24 ng	989593	Perylene-d12	15.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	95
2		Hexadecane	226	C16H34	000544-76-3	90
3		Heptadecane	240	C17H36	000629-78-7	70
4		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	55
5		Hexacosane	366	C26H54	000630-01-3	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
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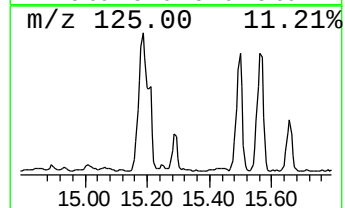
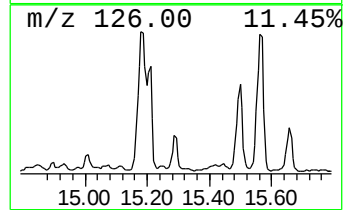
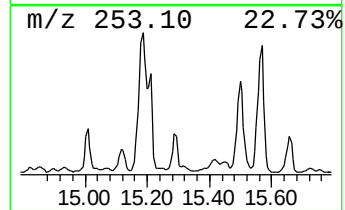
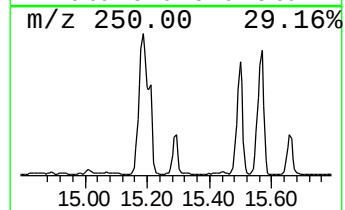
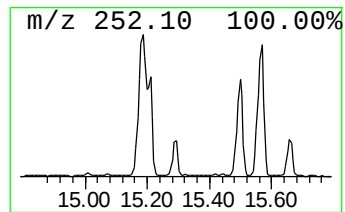
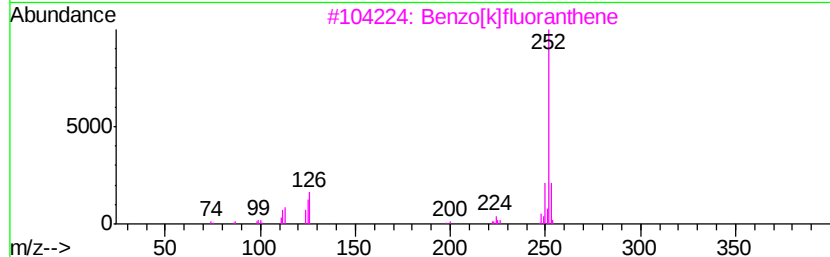
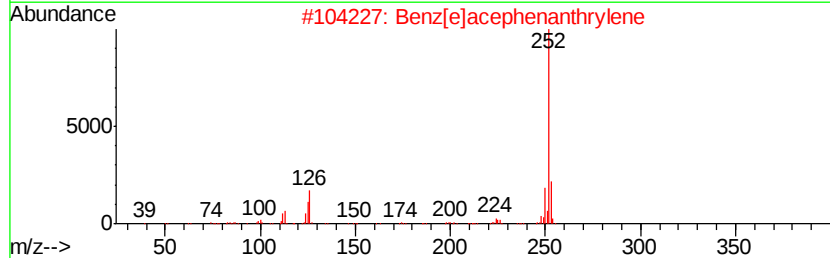
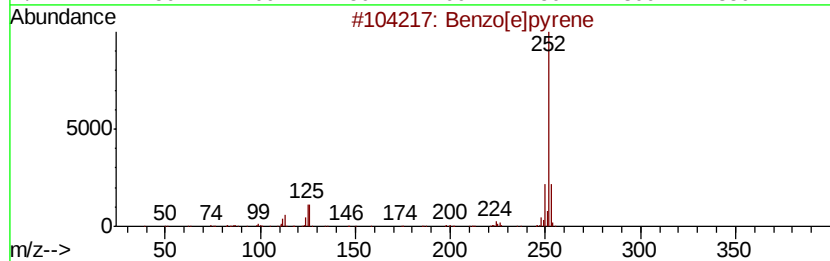
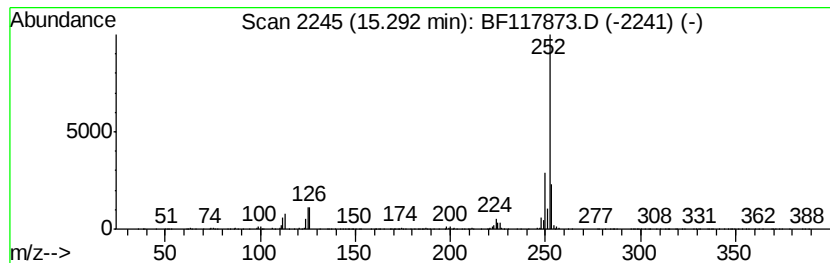
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	11.30 ng	733558	Perylene-d12	15.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]bpvrene	252	C20H12	000192-97-2	98
2			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[a]bpvrene	252	C20H12	000050-32-8	93
5			Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117873.D
Acq On : 19 Nov 2019 21:30
Operator : JU
Sample : K5838-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
UC-TP

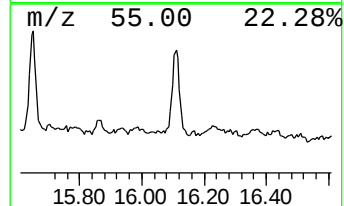
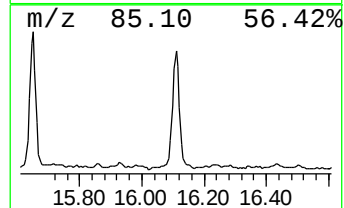
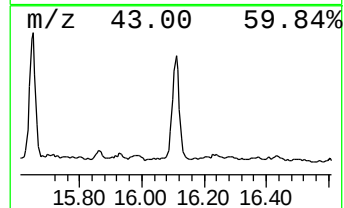
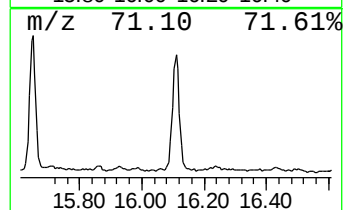
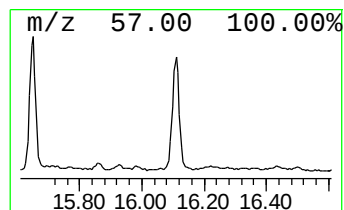
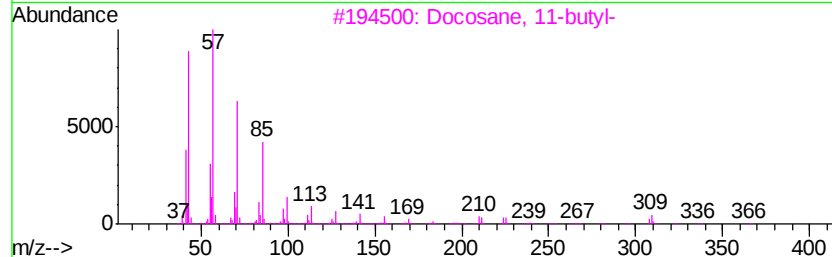
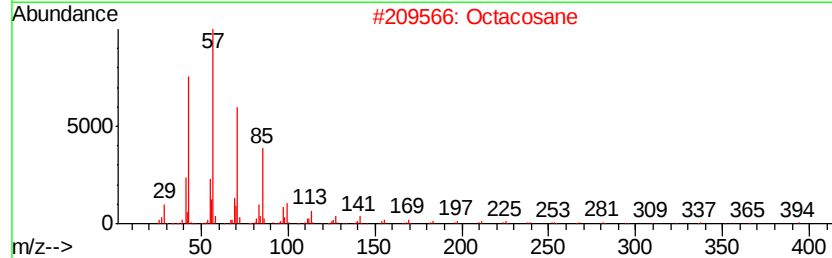
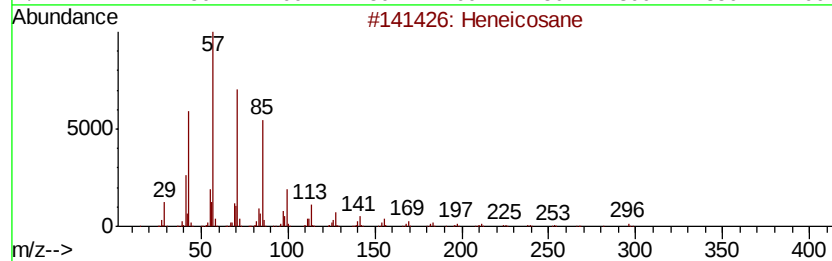
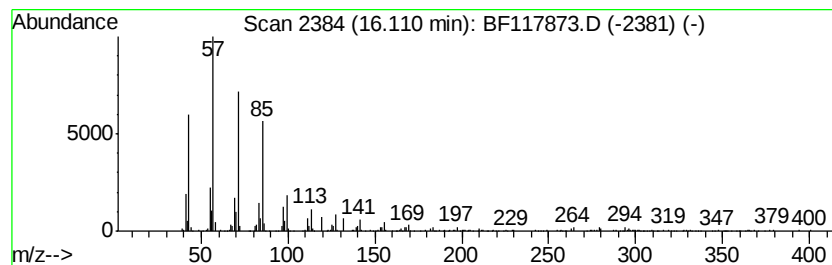
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heneicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	12.65 ng	821480	Perylene-d12	15.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	94
2		Octacosane	394	C28H58	000630-02-4	93
3		Docosane, 11-butyl-	366	C26H54	013475-76-8	93
4		Docosane, 9-butyl-	366	C26H54	055282-14-9	90
5		Tetracosane	338	C24H50	000646-31-1	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111919\
 Data File : BF117873.D
 Acq On : 19 Nov 2019 21:30
 Operator : JU
 Sample : K5838-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UC-TP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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
2-Pentanone, 4-hy...	5.13	12.0	ng	666653	1	6.92	1111920	20.0
unknown6.68	6.68	67.4	ng	3747650	1	6.92	1111920	20.0
Heptadecane	10.87	15.9	ng	1193980	4	11.46	1497520	20.0
Eicosane	11.32	11.8	ng	882693	4	11.46	1497520	20.0
Naphtho[1,2-b]thi...	11.35	11.1	ng	829674	4	11.46	1497520	20.0
Phenanthrene, 2-m...	11.96	25.7	ng	1923190	4	11.46	1497520	20.0
Phenanthrene, 1-m...	11.99	37.5	ng	2807090	4	11.46	1497520	20.0
4H-Cyclopenta[def...	12.07	37.1	ng	2778010	4	11.46	1497520	20.0
Phenanthrene, 4-m...	12.10	19.2	ng	1440560	4	11.46	1497520	20.0
Naphthalene, 2-ph...	12.26	17.5	ng	1309510	4	11.46	1497520	20.0
Phenanthrene, 1,7...	12.44	11.6	ng	870307	4	11.46	1497520	20.0
Phenanthrene, 2,5...	12.52	28.4	ng	2129340	4	11.46	1497520	20.0
Pyrene, 4,5,9,10-...	12.55	21.4	ng	1600140	4	11.46	1497520	20.0
Cyclopenta(def)ph...	12.60	21.3	ng	1597770	4	11.46	1497520	20.0
4,4'-Bis(tetrahyd...	12.77	16.4	ng	1231010	4	11.46	1497520	20.0
Octacosane	14.90	15.2	ng	989593	6	15.63	1298830	20.0
Benzo[e]pyrene	15.29	11.3	ng	733558	6	15.63	1298830	20.0
Heneicosane	16.11	12.7	ng	821480	6	15.63	1298830	20.0