

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117617.D
 Acq On : 30 Oct 2019 11:59
 Operator : JU
 Sample : K5540-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 155-40-(0-1.1)

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-BF101819.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	5.351	552	555	579	rBV	385357	600662	28.64%	2.292%
2	6.381	727	730	747	rBV	563813	736081	35.09%	2.808%
3	6.504	747	751	764	rVB	790630	767358	36.59%	2.928%
4	6.728	785	789	799	rVB	204849	202271	9.64%	0.772%
5	6.881	811	815	830	rBV	585314	523793	24.97%	1.998%
6	7.292	882	885	901	rBV	379679	469864	22.40%	1.793%
7	8.010	1003	1007	1025	rBV	213257	268702	12.81%	1.025%
8	9.081	1185	1189	1201	rBV	770981	685567	32.69%	2.616%
9	9.481	1254	1257	1264	rVV	85544	83201	3.97%	0.317%
10	9.757	1299	1304	1307	rBV	341883	306884	14.63%	1.171%
11	9.792	1307	1310	1318	rVB	148170	143776	6.85%	0.549%
12	9.969	1336	1340	1344	rBV2	73088	84845	4.05%	0.324%
13	10.310	1393	1398	1403	rBV	172474	181775	8.67%	0.693%
14	10.375	1403	1409	1411	rVV	37461	54358	2.59%	0.207%
15	10.469	1422	1425	1429	rVB	62603	63865	3.04%	0.244%
16	10.557	1435	1440	1445	rBV	438877	508226	24.23%	1.939%
17	10.857	1484	1491	1494	rBV2	74250	94960	4.53%	0.362%
18	10.886	1494	1496	1499	rVV	45264	44531	2.12%	0.170%
19	11.063	1522	1526	1529	rVB2	47395	43988	2.10%	0.168%
20	11.098	1529	1532	1537	rVV2	55943	65680	3.13%	0.251%
21	11.145	1537	1540	1545	rVB	120673	115239	5.49%	0.440%
22	11.251	1554	1558	1559	rBV	285457	287083	13.69%	1.095%
23	11.280	1559	1563	1566	rVV	2135788	2002084	95.45%	7.638%
24	11.327	1567	1571	1575	rVV	548673	480052	22.89%	1.831%
25	11.486	1594	1598	1604	rBV3	76226	116803	5.57%	0.446%
26	11.533	1604	1606	1609	rVB2	50130	43494	2.07%	0.166%
27	11.580	1609	1614	1616	rBV2	36722	49546	2.36%	0.189%
28	11.751	1639	1643	1645	rVV	325821	292410	13.94%	1.116%
29	11.780	1645	1648	1653	rVV	492013	461876	22.02%	1.762%
30	11.827	1653	1656	1659	rVV	164554	153493	7.32%	0.586%
31	11.863	1659	1662	1664	rVV	443348	449508	21.43%	1.715%
32	11.886	1664	1666	1671	rVB	207023	186525	8.89%	0.712%
33	12.045	1689	1693	1698	rBV	179505	187222	8.93%	0.714%
34	12.086	1698	1700	1703	rVV	87151	85246	4.06%	0.325%

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35	12.192	1713	1718	1721	rBV	79127	78184	3.73%	0.298%
36	12.227	1721	1724	1726	rVV	63273	49341	2.35%	0.188%
37	12.251	1726	1728	1731	rVB2	46803	41410	1.97%	0.158%
38	12.298	1731	1736	1739	rBV	170599	176564	8.42%	0.674%
39	12.339	1739	1743	1745	rVV3	89288	124899	5.95%	0.477%
40	12.404	1748	1754	1760	rVB2	89099	137299	6.55%	0.524%
41	12.474	1760	1766	1769	rBV	2050504	2067612	98.58%	7.888%
42	12.527	1773	1775	1778	rVB3	46637	47019	2.24%	0.179%
43	12.616	1787	1790	1793	rBV	115759	105094	5.01%	0.401%
44	12.704	1798	1805	1808	rVV	1752895	2097427	100.00%	8.002%
45	12.745	1809	1812	1816	rVB2	102455	112948	5.39%	0.431%
46	12.827	1819	1826	1829	rBV2	585001	569505	27.15%	2.173%
47	12.863	1829	1832	1836	rVB2	61572	69980	3.34%	0.267%
48	12.916	1836	1841	1845	rBV2	122532	223336	10.65%	0.852%
49	12.998	1852	1855	1857	rBV2	87663	113770	5.42%	0.434%
50	13.021	1857	1859	1862	rVB	236645	217185	10.35%	0.829%
51	13.086	1867	1870	1873	rVV	180012	156416	7.46%	0.597%
52	13.127	1873	1877	1884	rVV2	178906	246149	11.74%	0.939%
53	13.221	1890	1893	1895	rBV	104309	94093	4.49%	0.359%
54	13.251	1895	1898	1901	rVV	92778	81349	3.88%	0.310%
55	13.345	1908	1914	1918	rVB6	20374	43193	2.06%	0.165%
56	13.445	1929	1931	1934	rVV	55292	61453	2.93%	0.234%
57	13.545	1944	1948	1954	rVB	110906	131986	6.29%	0.504%
58	13.645	1960	1965	1967	rBV2	158987	202419	9.65%	0.772%
59	13.663	1967	1968	1971	rVV	159985	120448	5.74%	0.460%
60	13.698	1971	1974	1975	rVV	105533	101723	4.85%	0.388%
61	13.727	1975	1979	1981	rVV4	93007	171412	8.17%	0.654%
62	13.757	1981	1984	1989	rVB	143918	169011	8.06%	0.645%
63	13.816	1989	1994	1997	rBV	45666	64932	3.10%	0.248%
64	13.892	1999	2007	2010	rBV2	920656	1329812	63.40%	5.073%
65	13.927	2010	2013	2015	rVV	797367	737430	35.16%	2.813%
66	14.004	2023	2026	2029	rVB	123461	122025	5.82%	0.466%
67	14.039	2029	2032	2033	rBV	45863	41876	2.00%	0.160%
68	14.063	2034	2036	2040	rVV5	32738	45945	2.19%	0.175%
69	14.133	2043	2048	2051	rVB2	54767	82779	3.95%	0.316%
70	14.245	2065	2067	2069	rBV	51465	42839	2.04%	0.163%
71	14.286	2069	2074	2077	rVV	168813	207073	9.87%	0.790%

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72	14.316	2077	2079	2082	rVB	61688	54854	2.62%	0.209%
73	14.345	2082	2084	2088	rBV4	65269	97592	4.65%	0.372%
74	14.386	2088	2091	2093	rVB2	44893	45103	2.15%	0.172%
75	14.410	2093	2095	2097	rBV2	64834	67634	3.22%	0.258%
76	14.427	2097	2098	2101	rVB2	60032	46585	2.22%	0.178%
77	14.616	2126	2130	2132	rBV2	73429	98427	4.69%	0.376%
78	14.639	2132	2134	2137	rVB2	76103	86659	4.13%	0.331%
79	14.710	2142	2146	2149	rVB2	83502	97508	4.65%	0.372%
80	14.780	2154	2158	2161	rBV2	68591	97049	4.63%	0.370%
81	14.874	2170	2174	2178	rBV2	26903	40003	1.91%	0.153%
82	14.933	2178	2184	2186	rBV	644296	913295	43.54%	3.484%
83	15.027	2197	2200	2205	rBV	112803	123059	5.87%	0.469%
84	15.115	2211	2215	2219	rBV4	40720	83988	4.00%	0.320%
85	15.215	2228	2232	2239	rVB	330675	420500	20.05%	1.604%
86	15.286	2239	2244	2246	rVV	501274	622056	29.66%	2.373%
87	15.310	2246	2248	2250	rVV	103228	125979	6.01%	0.481%
88	15.339	2250	2253	2255	rVV	192729	224554	10.71%	0.857%
89	15.368	2255	2258	2264	rVB2	144753	191403	9.13%	0.730%
90	15.504	2276	2281	2284	rBV2	41451	67216	3.20%	0.256%
91	15.557	2284	2290	2295	rVB3	44551	85902	4.10%	0.328%
92	15.715	2313	2317	2321	rVB	76985	100065	4.77%	0.382%
93	15.880	2341	2345	2349	rVB2	35033	52561	2.51%	0.201%
94	16.186	2391	2397	2407	rVB6	71434	151377	7.22%	0.578%
95	16.551	2455	2459	2463	rBV2	31283	46502	2.22%	0.177%
96	16.757	2486	2494	2500	rVV	214310	440596	21.01%	1.681%
97	16.909	2515	2520	2526	rBV	44622	85024	4.05%	0.324%
98	16.968	2526	2530	2536	rVB3	31797	54039	2.58%	0.206%
99	17.186	2560	2567	2577	rBV	141912	296067	14.12%	1.130%
100	17.427	2603	2608	2616	rVB2	32461	68894	3.28%	0.263%

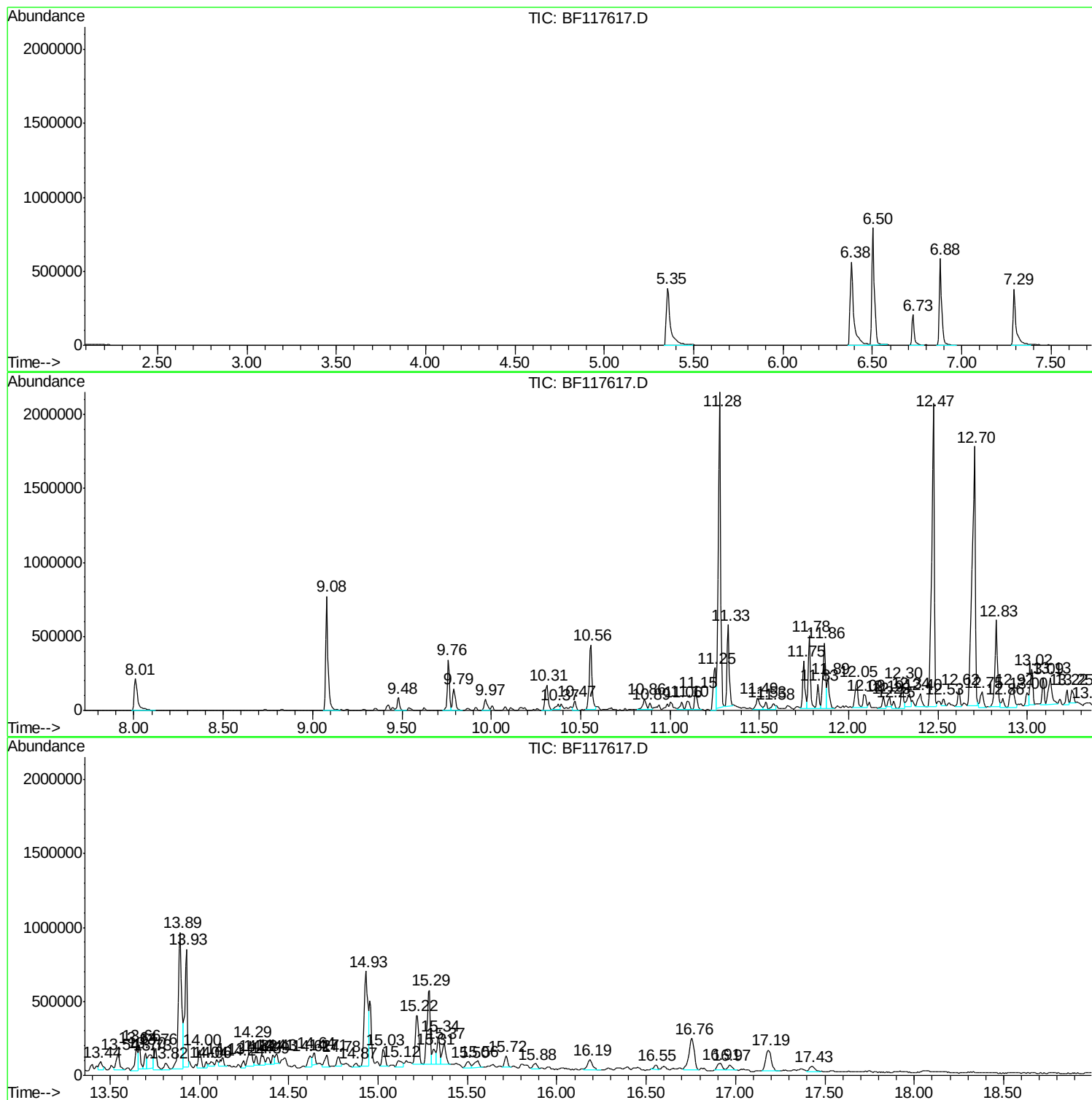
Sum of corrected areas: 26211395

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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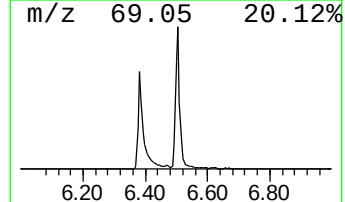
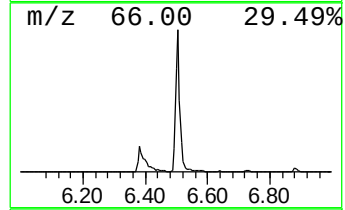
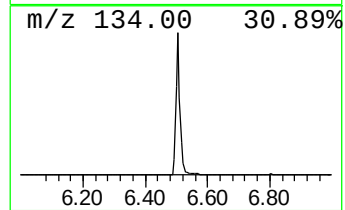
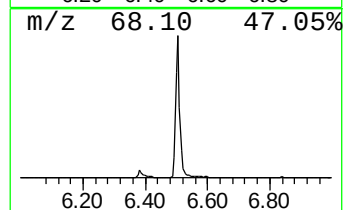
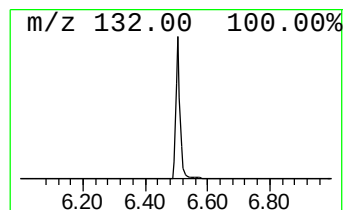
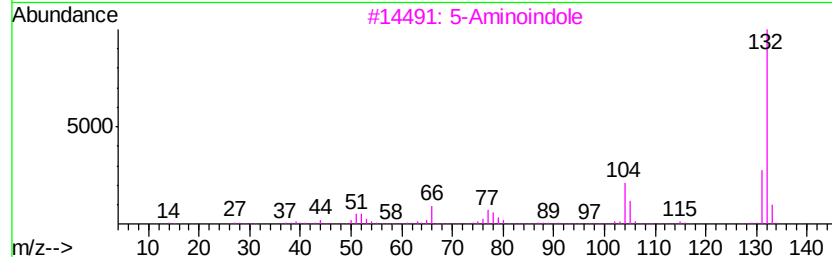
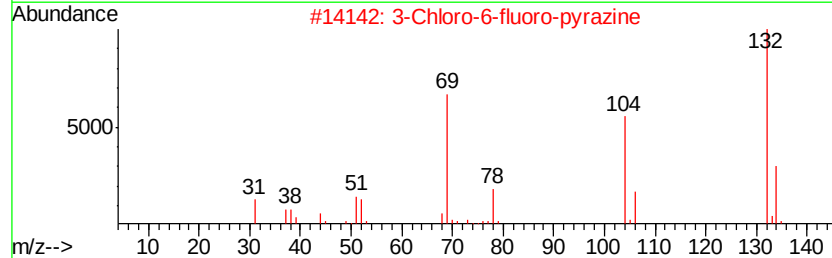
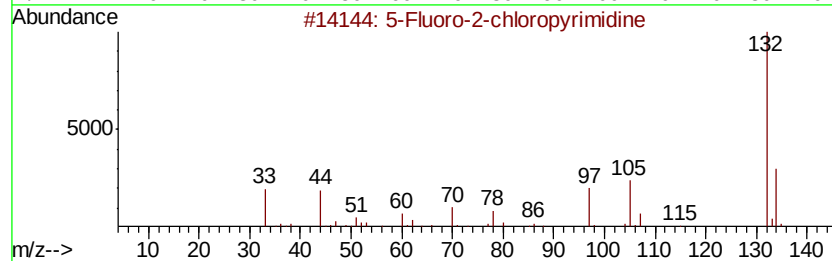
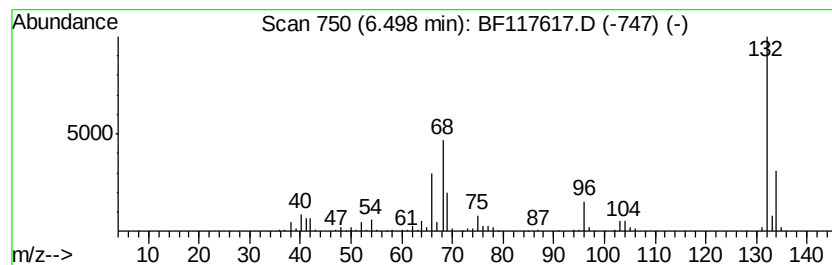
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	75.87 ng	767358	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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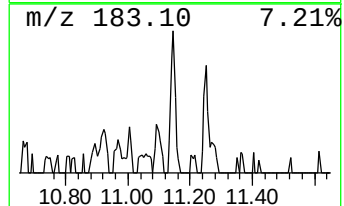
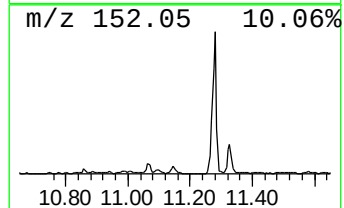
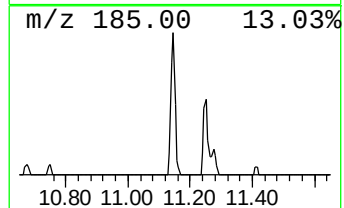
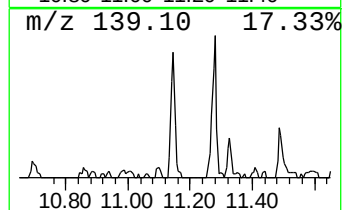
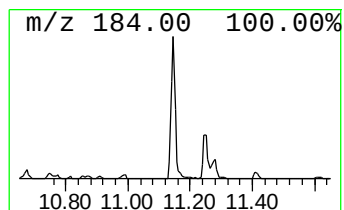
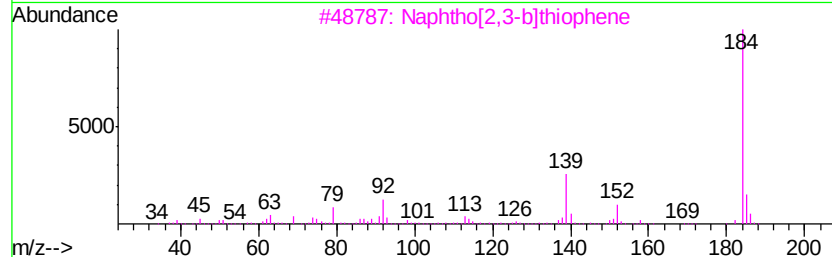
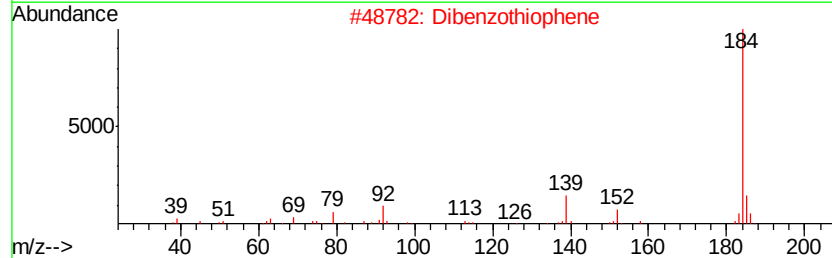
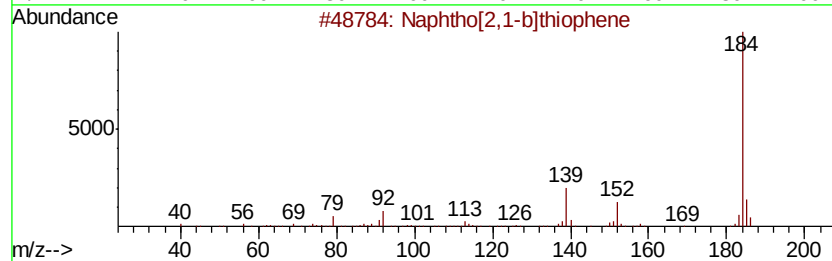
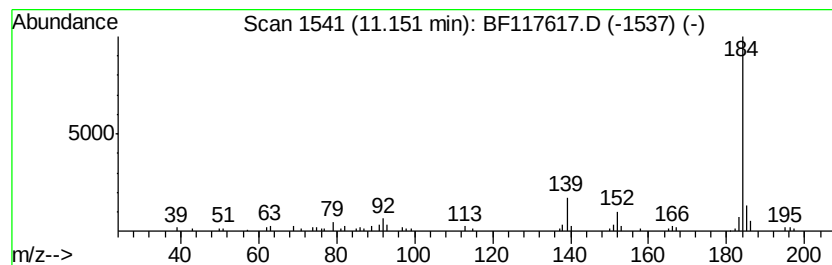
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.15	8.03 ng	115239	Phenanthrene-d10	11.25		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	95
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	64



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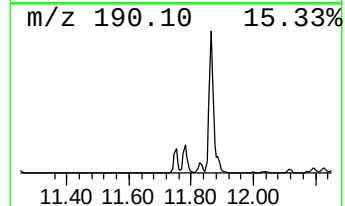
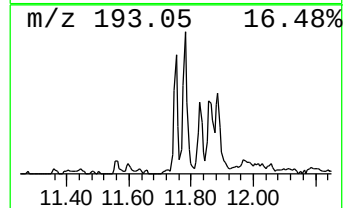
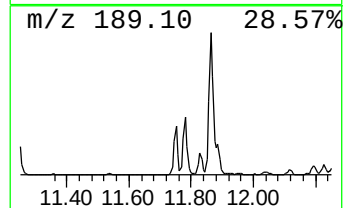
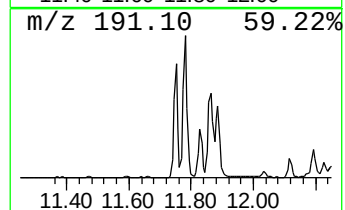
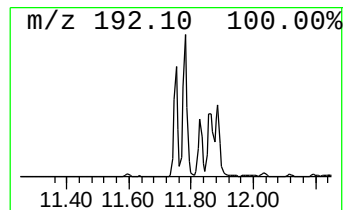
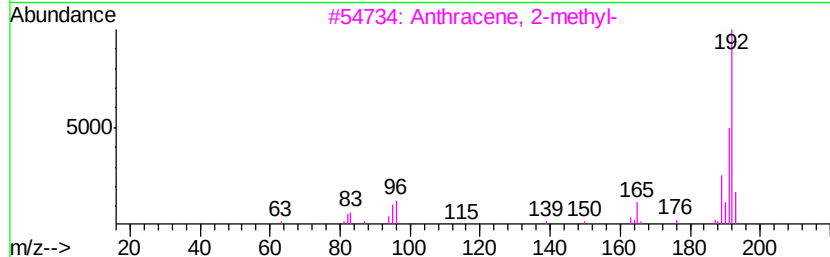
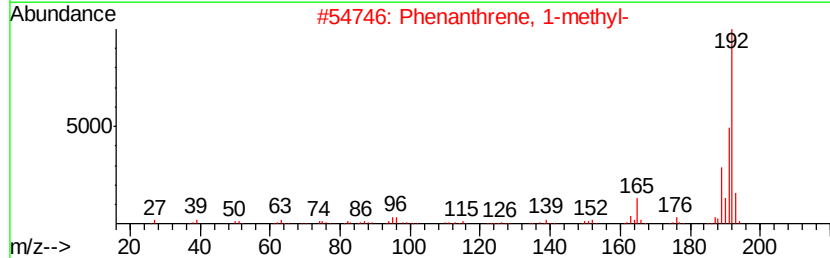
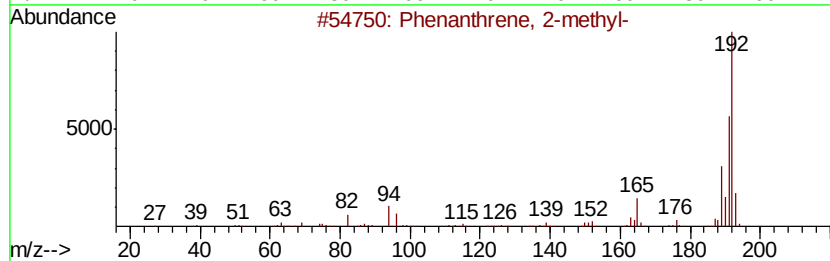
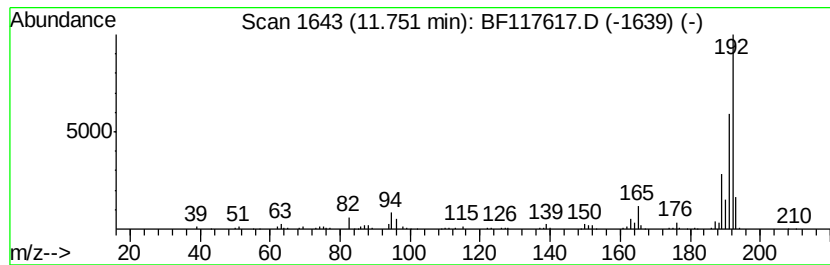
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Peak Number 4 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.75	20.37 ng	292410	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117617.D
Acq On : 30 Oct 2019 11:59
Operator : JU
Sample : K5540-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

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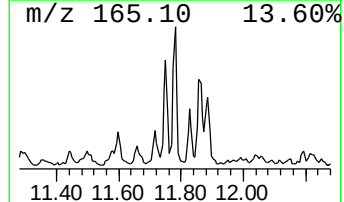
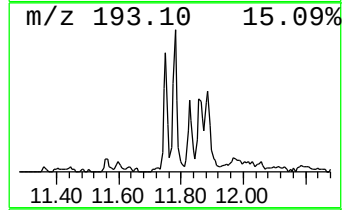
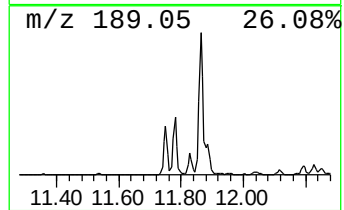
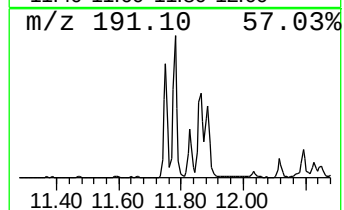
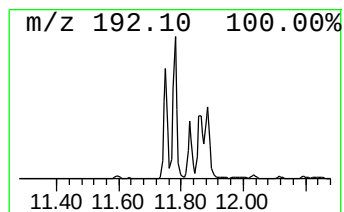
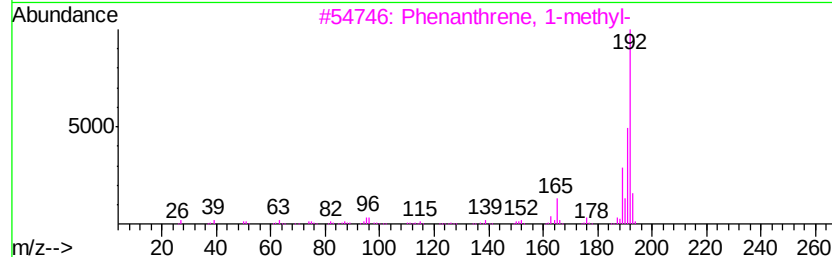
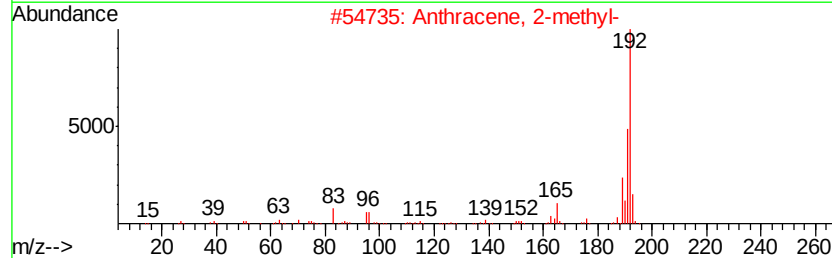
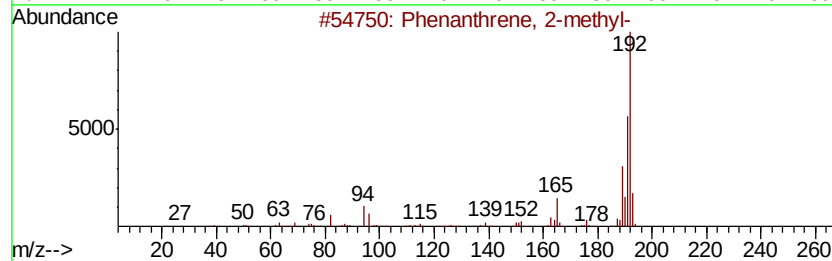
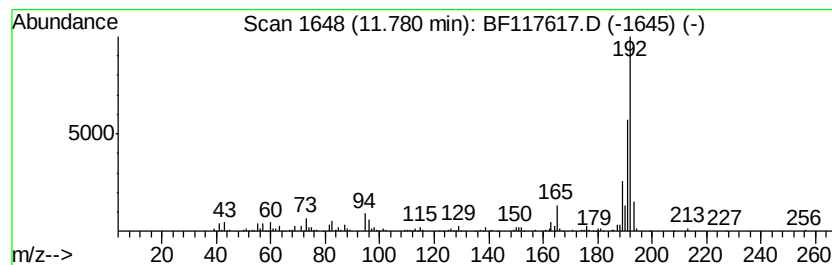
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	32.18 ng	461876	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117617.D
Acq On : 30 Oct 2019 11:59
Operator : JU
Sample : K5540-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

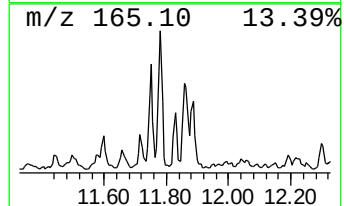
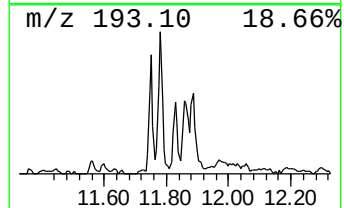
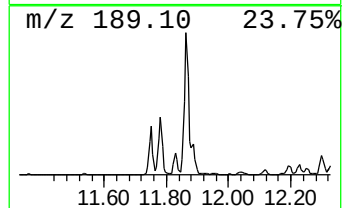
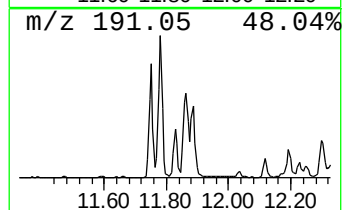
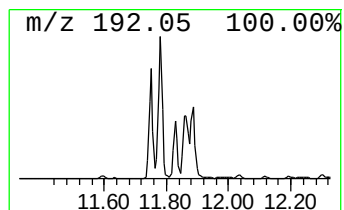
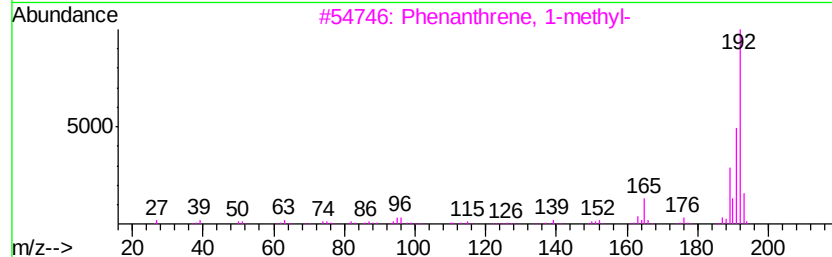
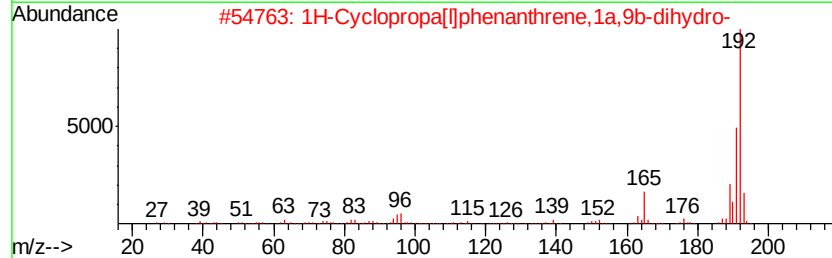
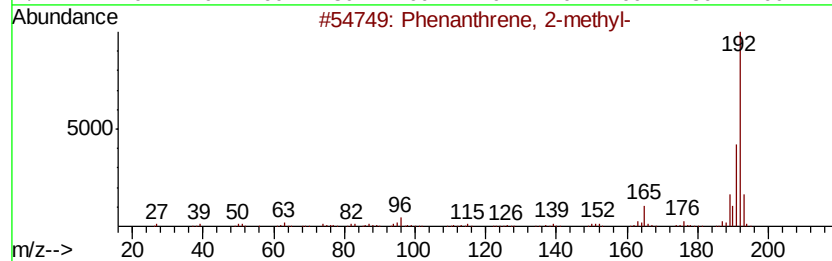
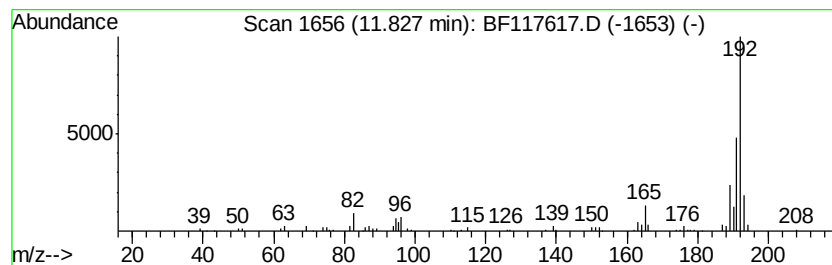
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	10.69 ng	153493	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117617.D
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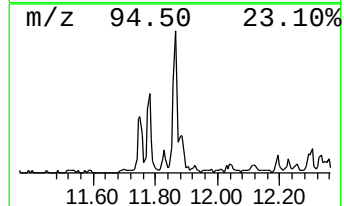
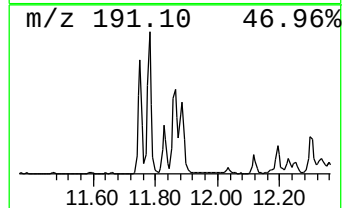
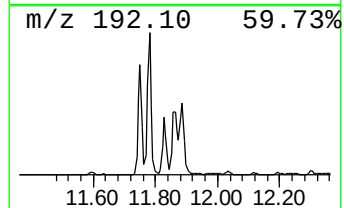
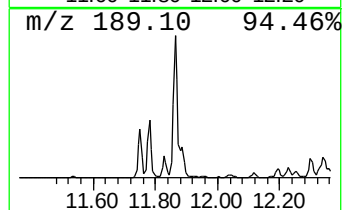
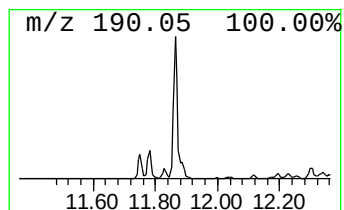
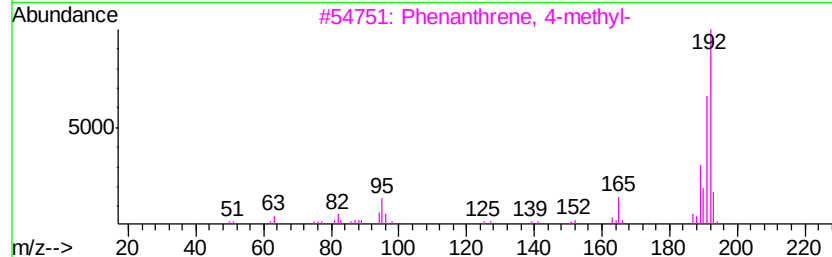
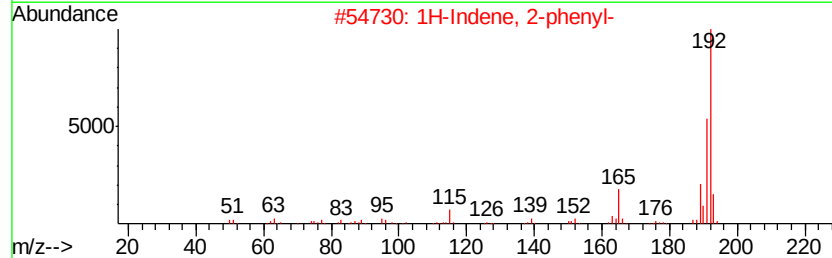
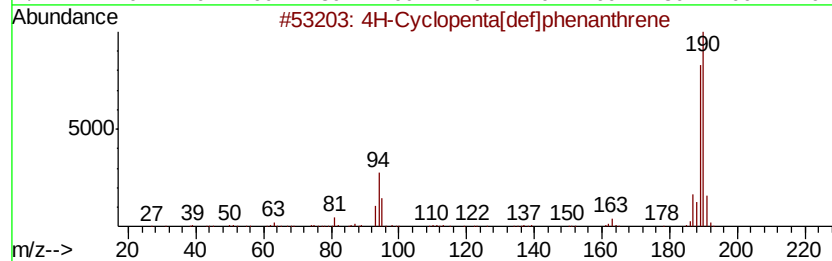
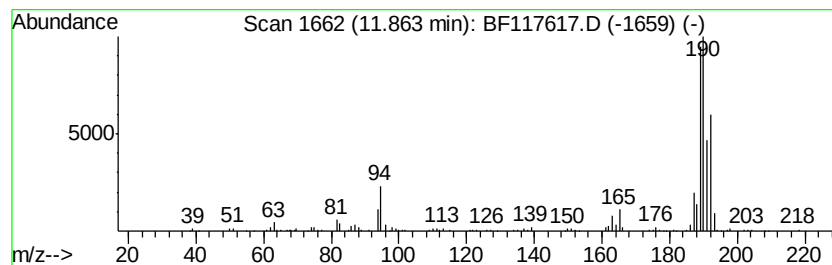
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	31.32 ng	449508	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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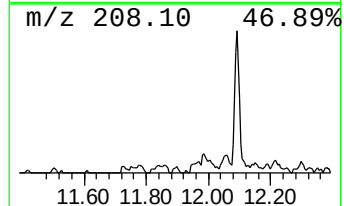
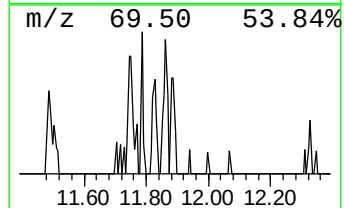
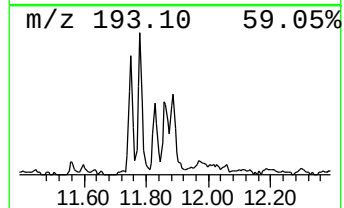
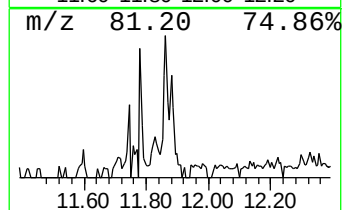
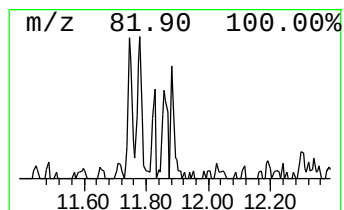
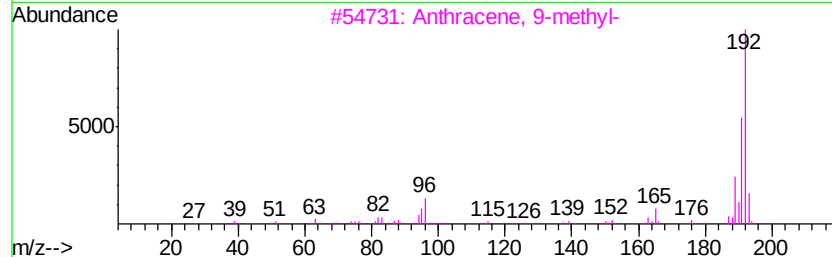
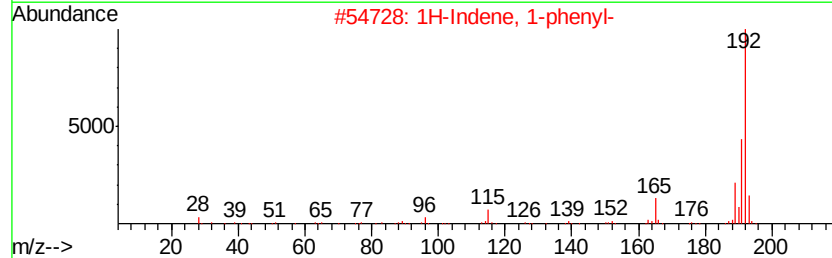
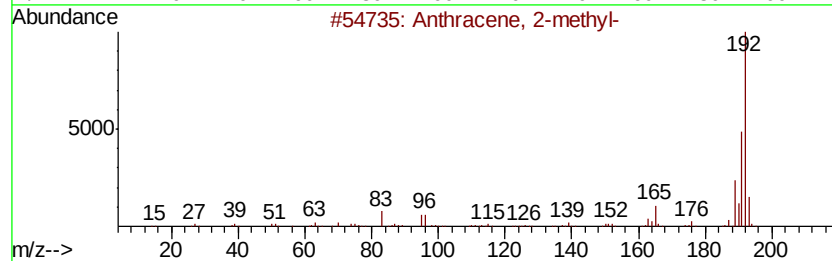
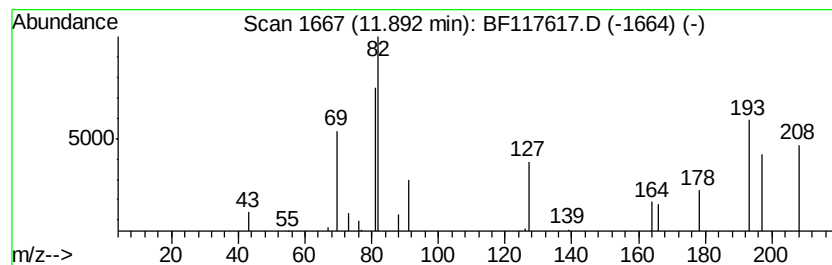
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.89	12.99 ng	186525	Phenanthrene-d10		11.25	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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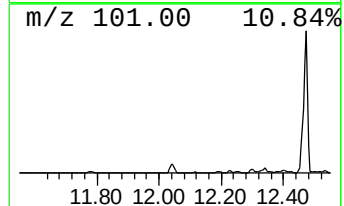
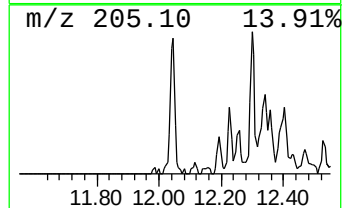
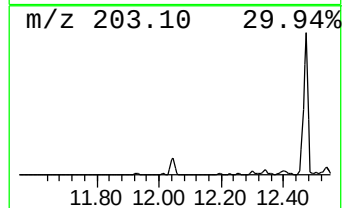
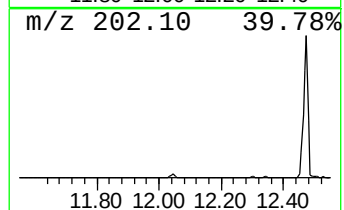
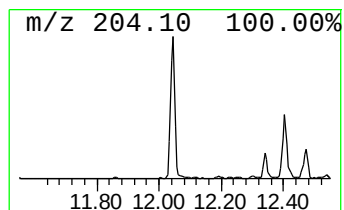
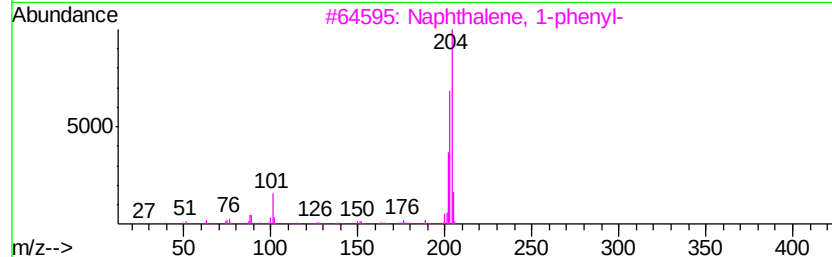
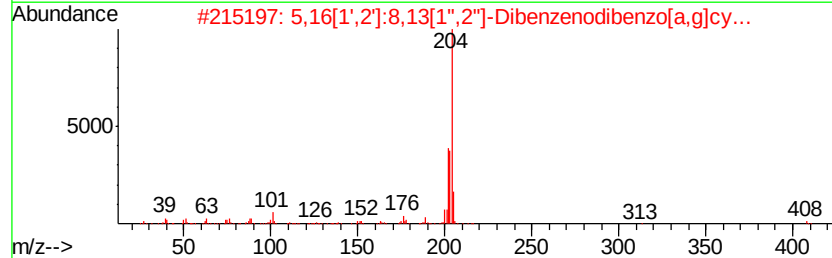
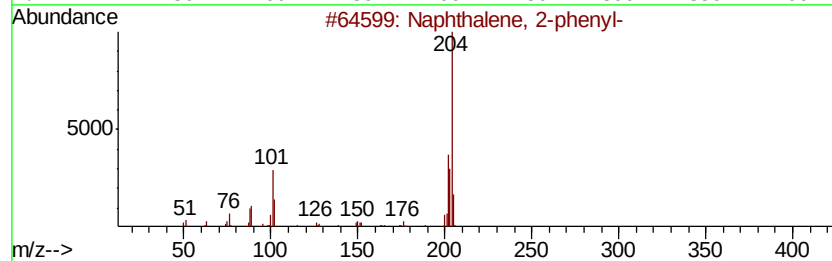
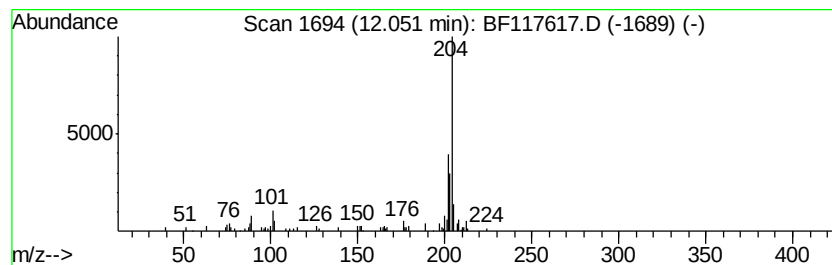
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	13.04 ng	187222	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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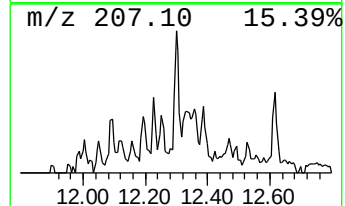
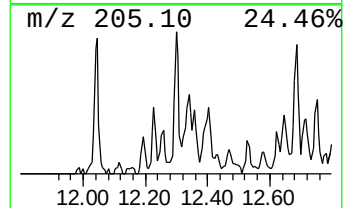
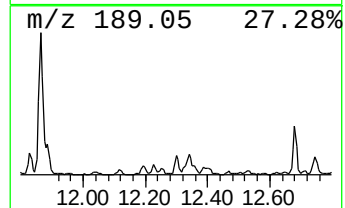
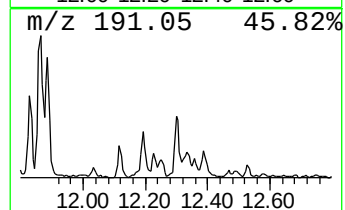
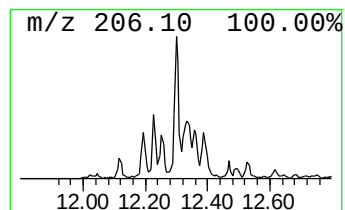
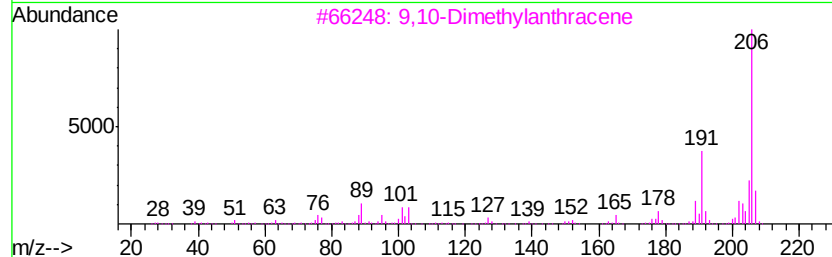
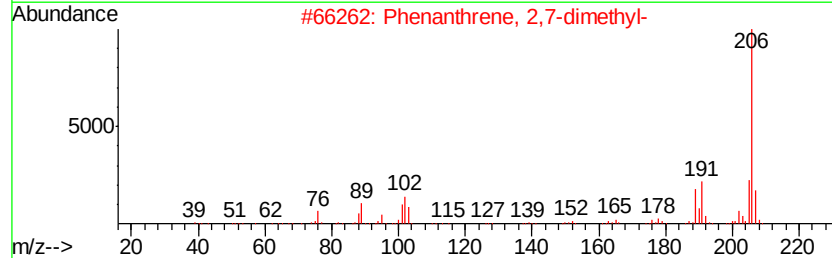
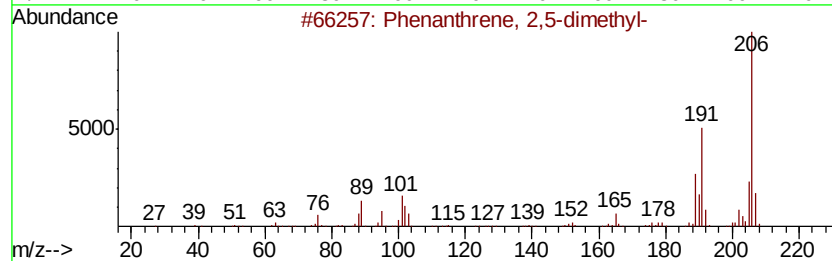
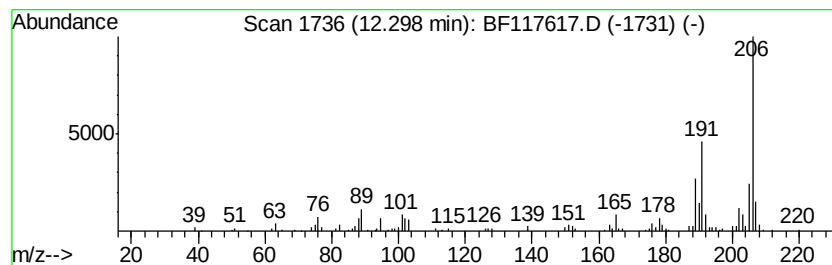
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.30	12.30 ng	176564	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117617.D
Acq On : 30 Oct 2019 11:59
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ALS Vial : 4 Sample Multiplier: 1

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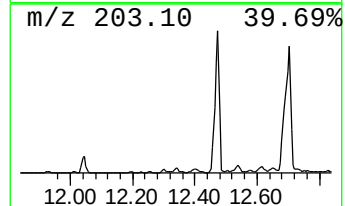
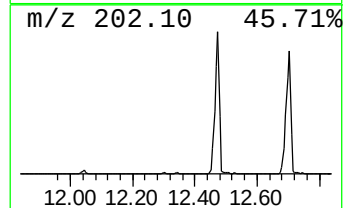
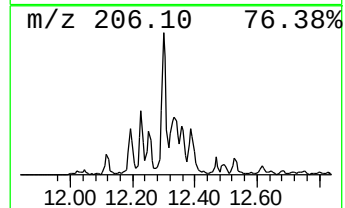
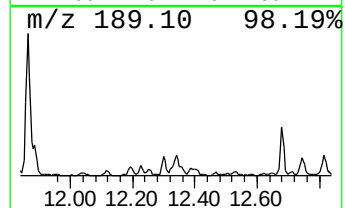
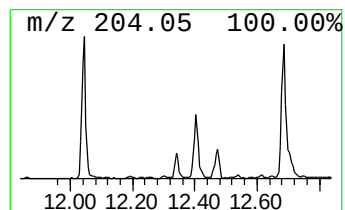
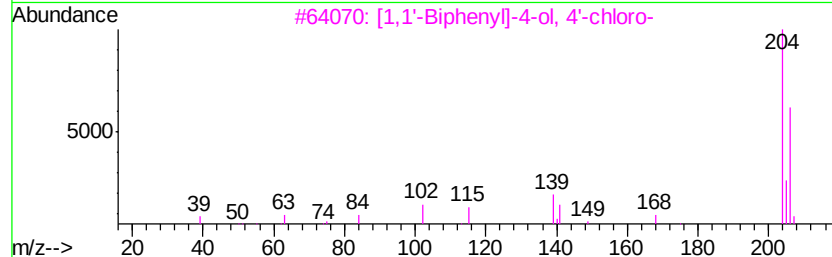
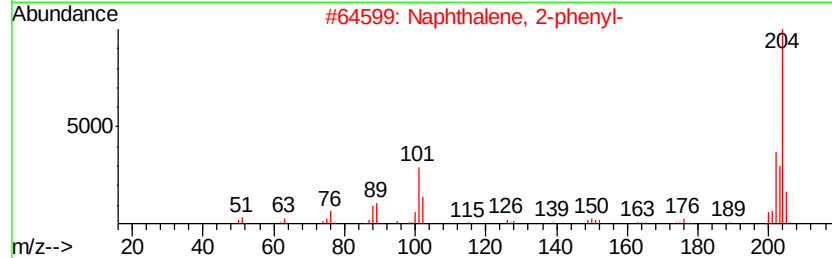
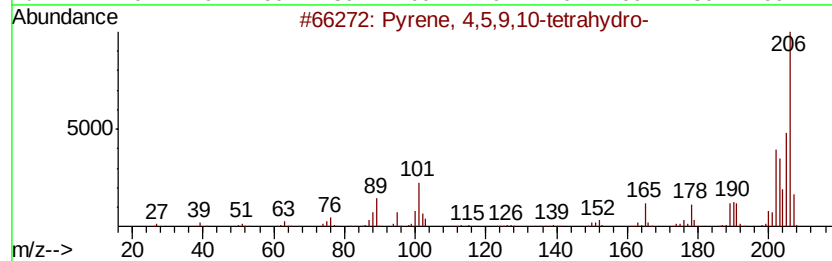
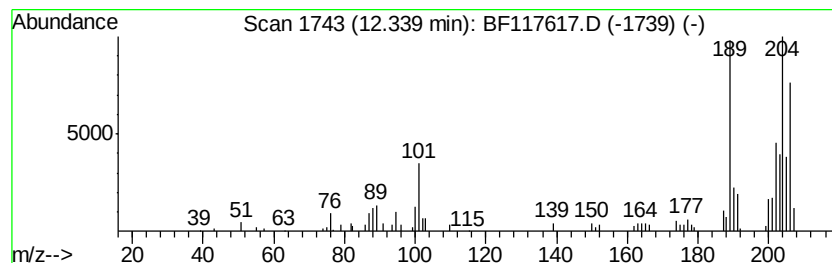
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown12.34 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	8.70 ng	124899	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
3			[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35
4			Benzene, 1,1'-(1-cyclobutene-1,2...	206	C16H14	003306-02-3	30
5			4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117617.D
Acq On : 30 Oct 2019 11:59
Operator : JU
Sample : K5540-03
Misc :
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Instrument :
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ClientSampleId :
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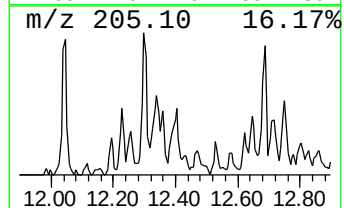
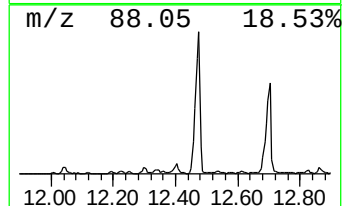
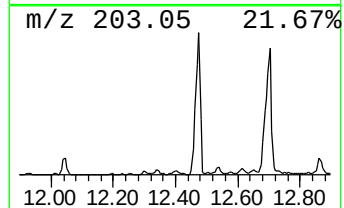
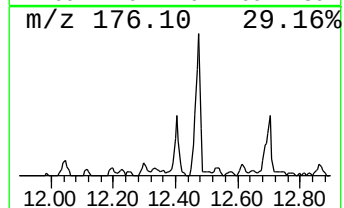
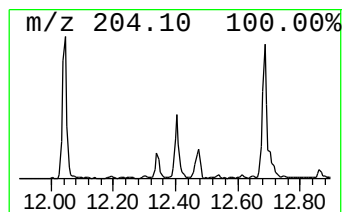
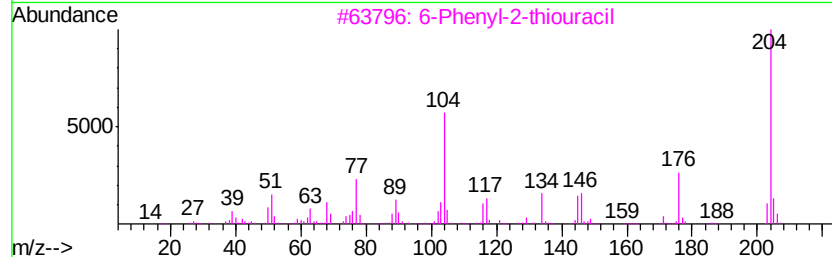
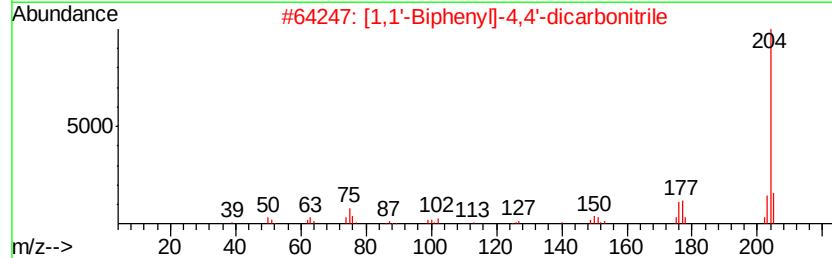
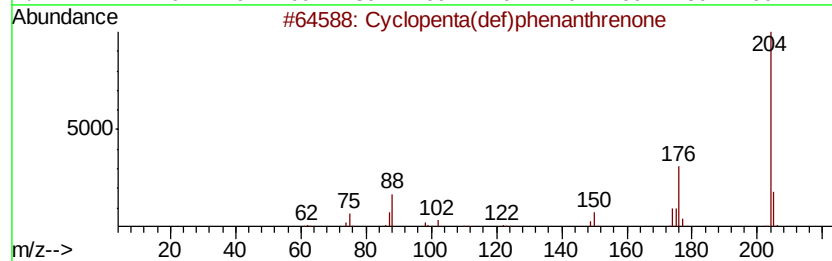
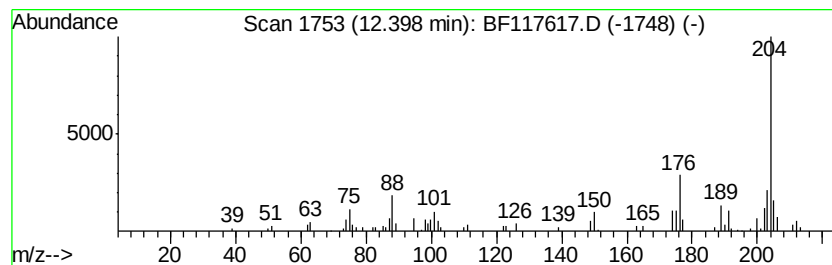
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	9.57 ng	137299	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3		6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	59
4		4,5,6,7-Tetrafluoro-2-methyl-1H-...	204	C8H4F4N2	081430-75-3	53
5		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117617.D
Acq On : 30 Oct 2019 11:59
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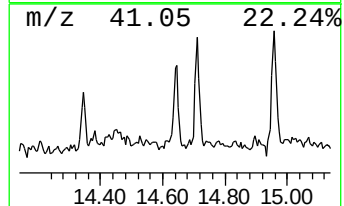
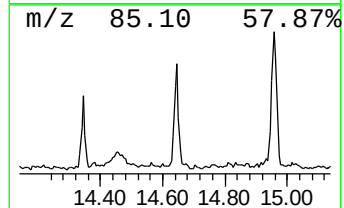
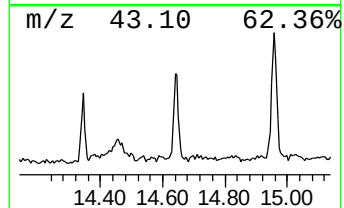
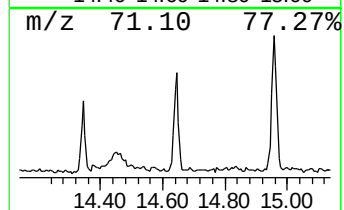
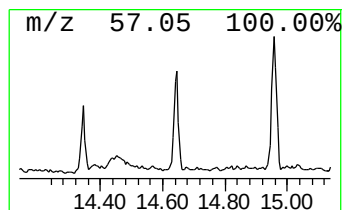
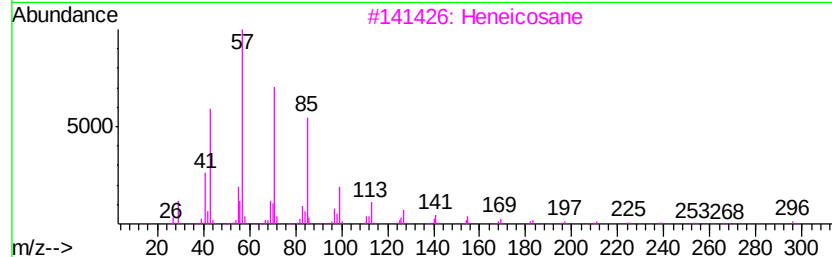
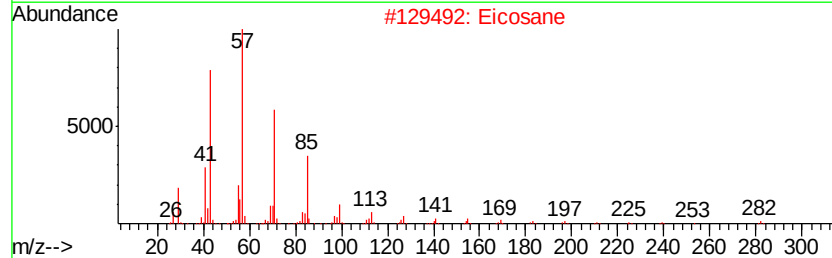
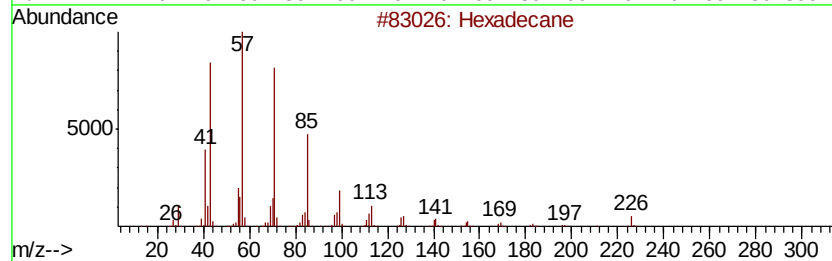
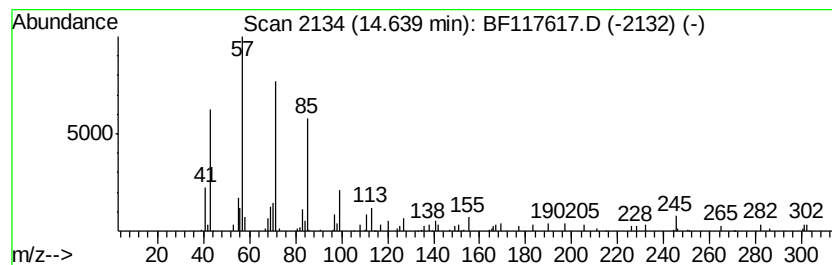
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	7.72 ng	86659	Perylene-d12	15.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		Eicosane	282	C20H42	000112-95-8	87
3		Heneicosane	296	C21H44	000629-94-7	87
4		Triacontane	422	C30H62	000638-68-6	86
5		Docosane	310	C22H46	000629-97-0	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117617.D
Acq On : 30 Oct 2019 11:59
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Sample : K5540-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

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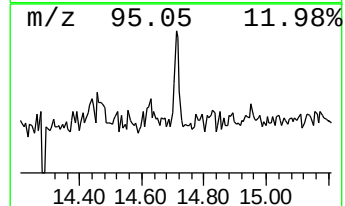
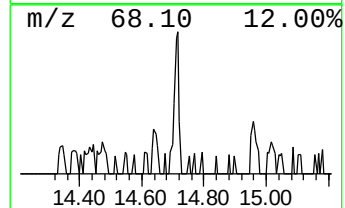
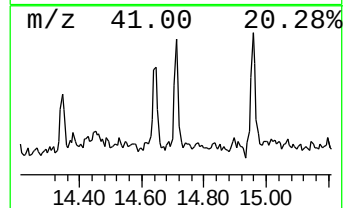
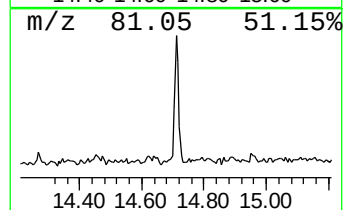
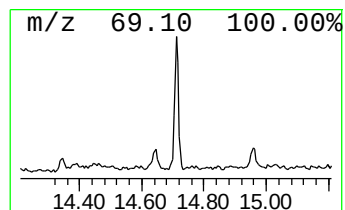
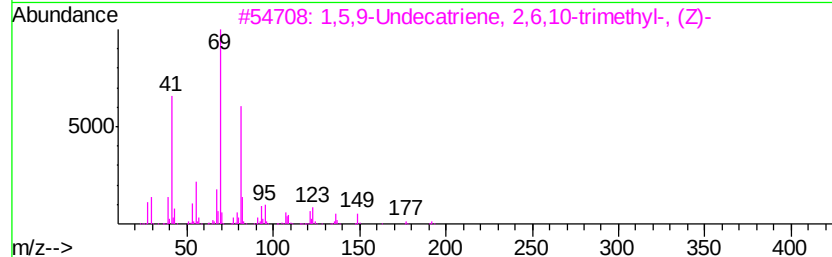
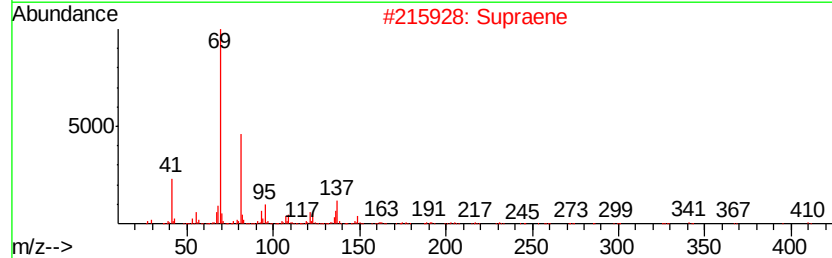
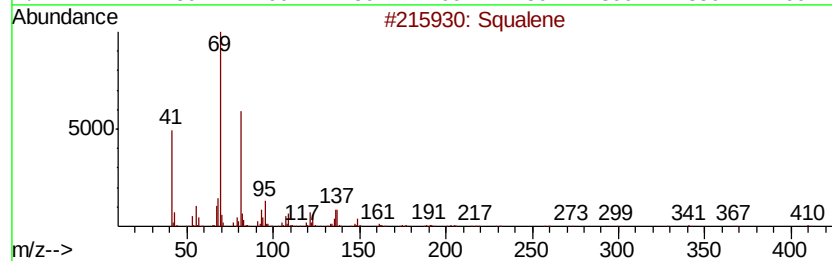
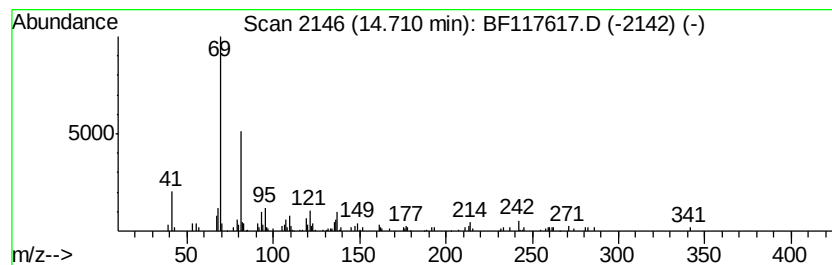
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Squalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	8.68 ng	97508	Perylene-d12	15.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Squalene	410	C30H50	000111-02-4	87
2		Supraene	410	C30H50	007683-64-9	72
3		1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	64
4		2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	59
5		trans-Farnesol	222	C15H26O	000106-28-5	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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Misc :
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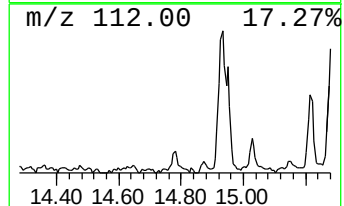
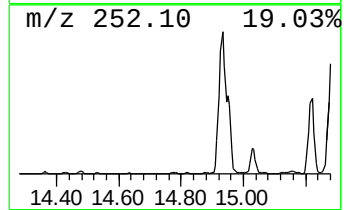
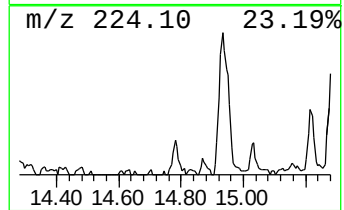
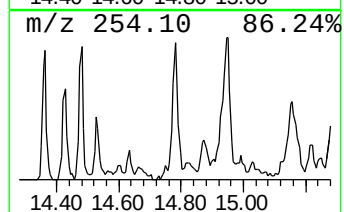
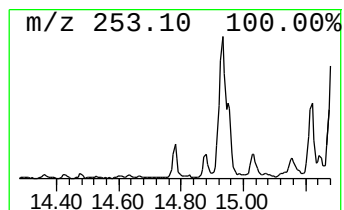
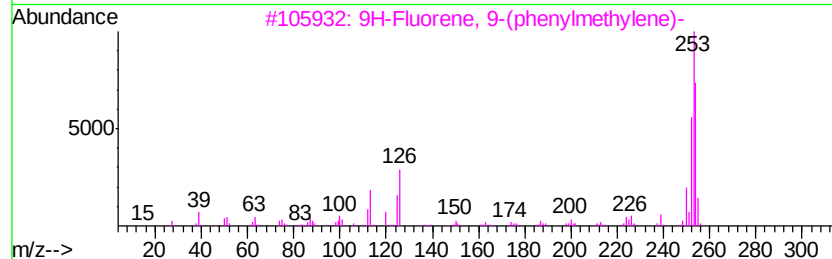
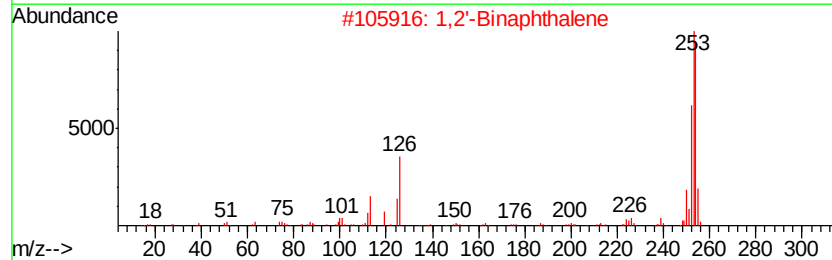
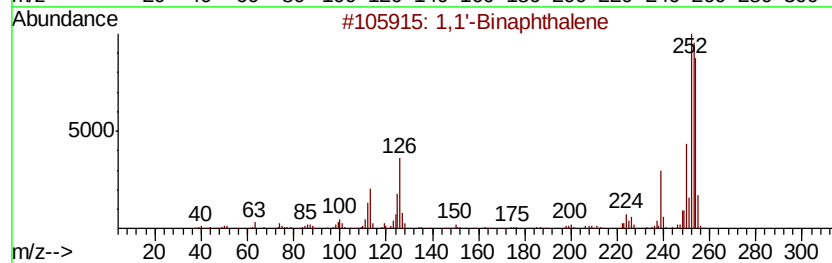
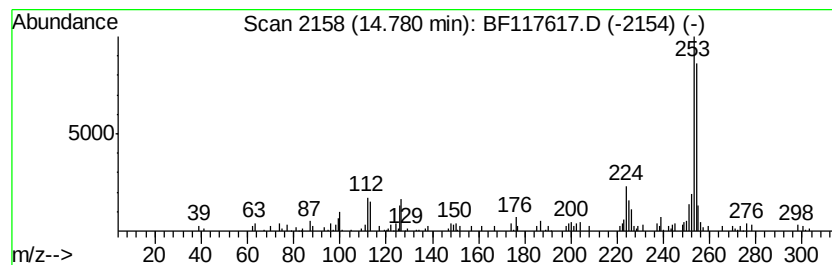
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1,1'-Binaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.78	8.64 ng	97049	Perylene-d12	15.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	81
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	76
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
4	4,5-Dihydrobenzo[el]pyrene	254	C20H14	095676-42-9	76
5	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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Acq On : 30 Oct 2019 11:59
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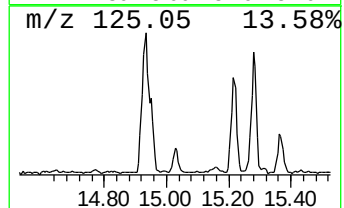
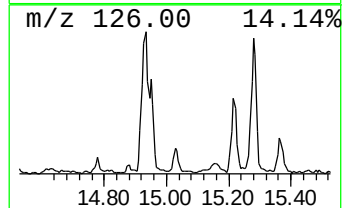
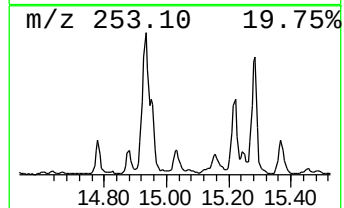
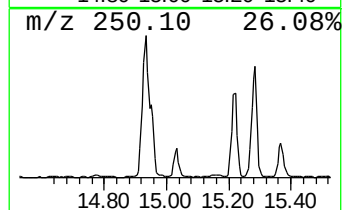
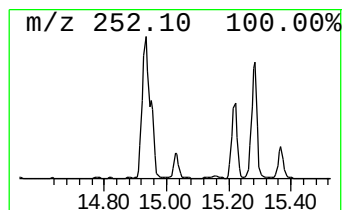
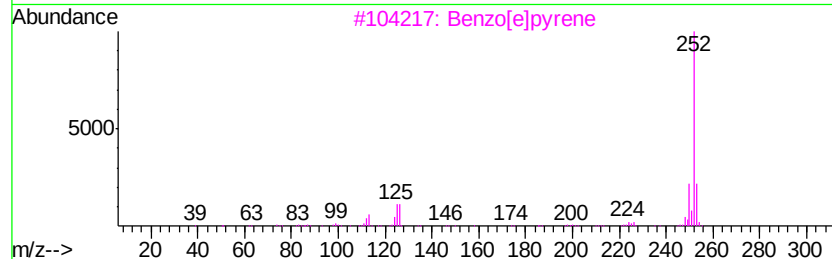
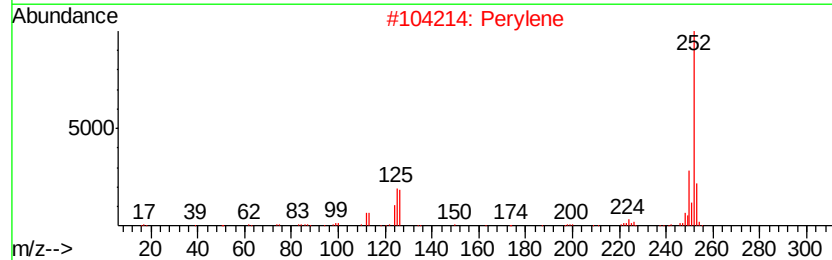
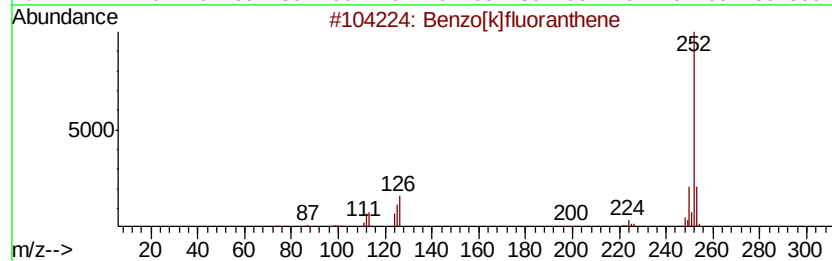
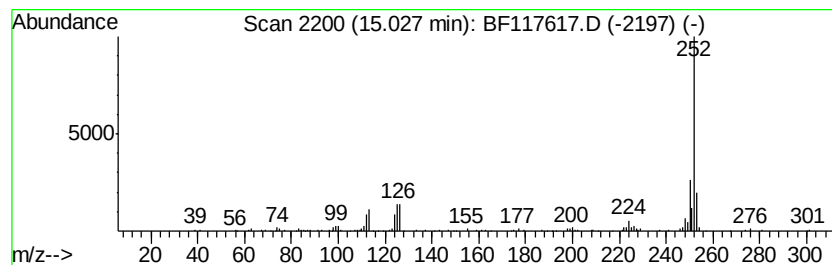
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Perylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	10.96 ng	123059	Perylene-d12	15.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2		Perylene	252	C20H12	000198-55-0	96
3		Benzo[e]pyrene	252	C20H12	000192-97-2	96
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117617.D
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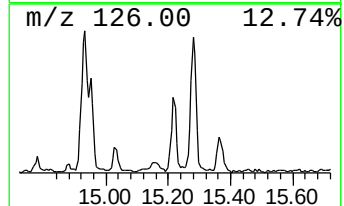
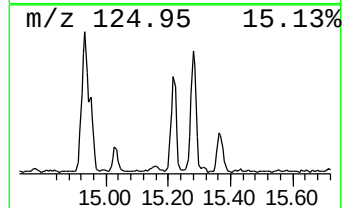
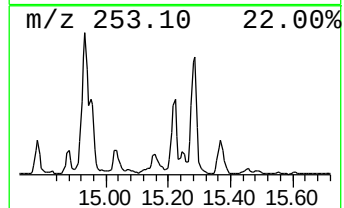
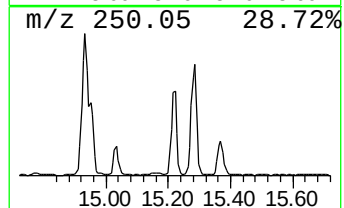
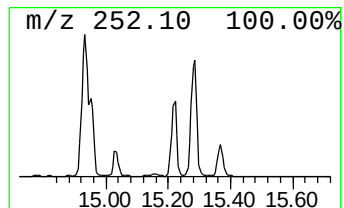
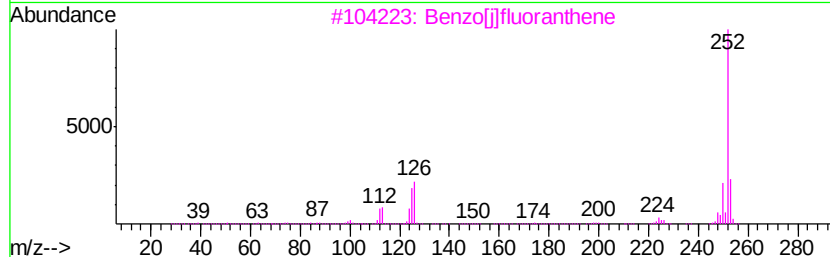
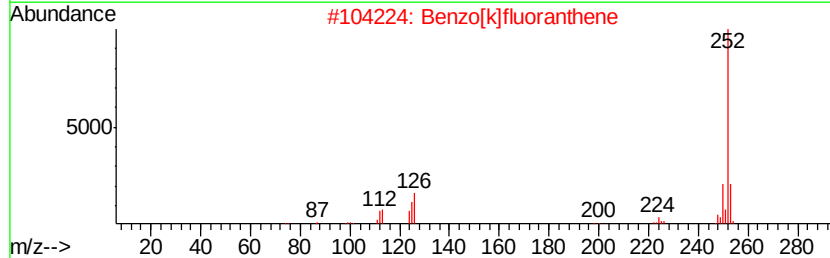
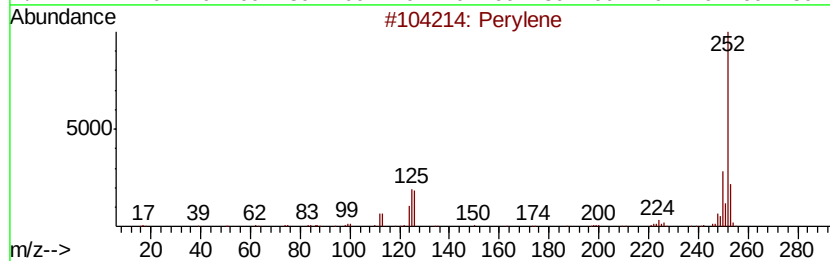
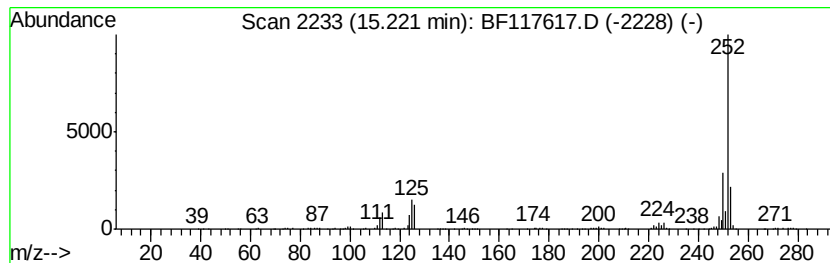
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	37.45 ng	420500	Perylene-d12	15.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	99
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3		Benzo[i]fluoranthene	252	C20H12	000205-82-3	98
4		Benzo[e]pyrene	252	C20H12	000192-97-2	97
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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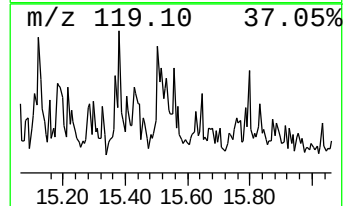
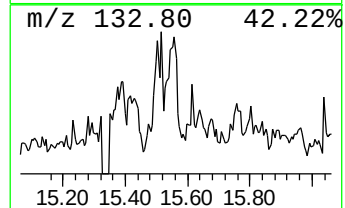
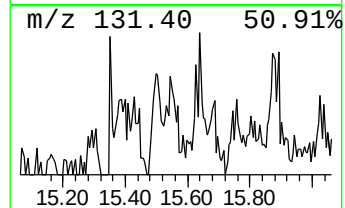
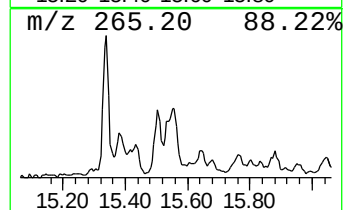
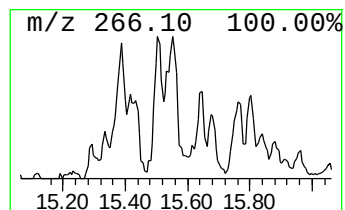
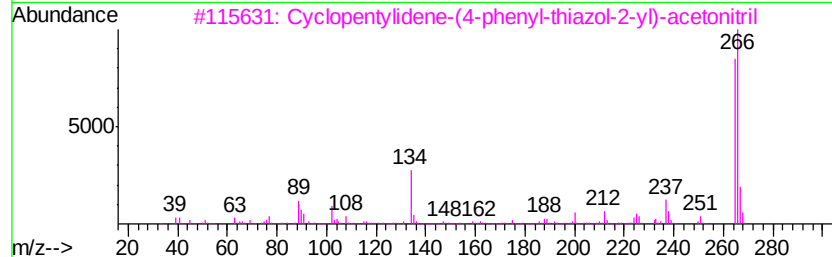
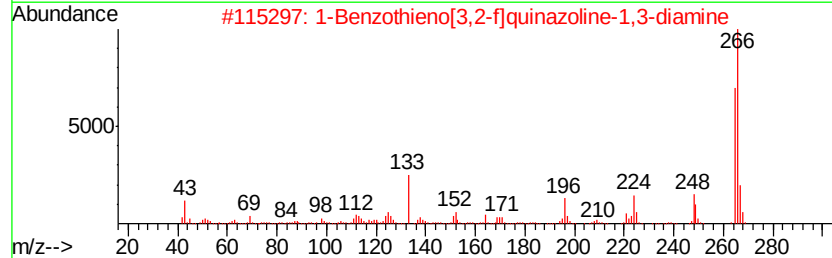
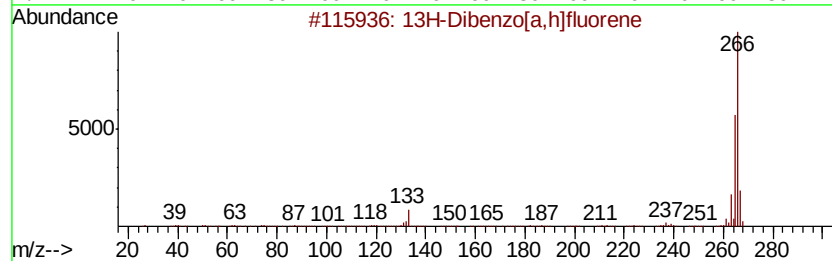
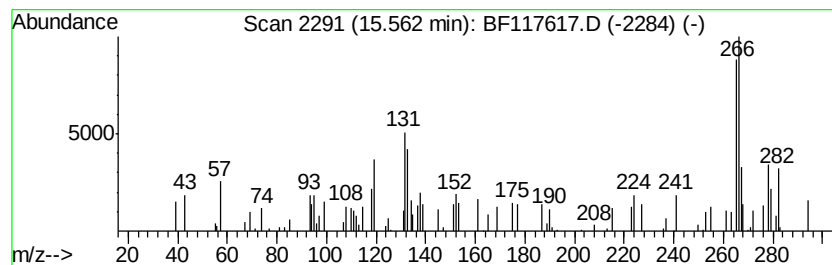
Instrument :
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ClientSampleId :
155-40-(0-1.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 13H-Dibenzo[a,h]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.56	7.65 ng	85902	Perylene-d12	15.34		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	59
2		1-Benzothieno[3,2-f]quinazoline-...	266	C14H10N4S	065642-92-4	59
3		Cyclopentylidene-(4-phenyl-thiaz...	266	C16H14N2S	1000300-05-0	52
4		4,6-Dimethyl-4'-hydroxy-2-benzyl...	266	C17H14O3	002567-73-9	50
5		3(2H)-Benzofuranone, 6-methoxy-2...	266	C17H14O3	077764-86-4	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117617.D
Acq On : 30 Oct 2019 11:59
Operator : JU
Sample : K5540-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)

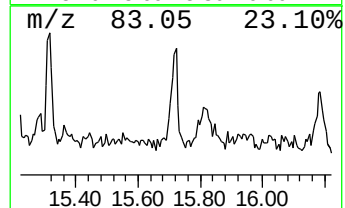
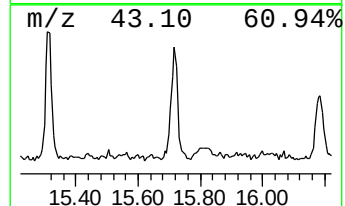
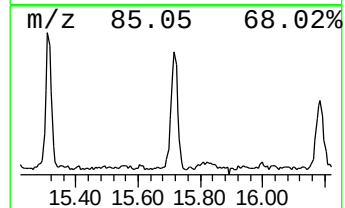
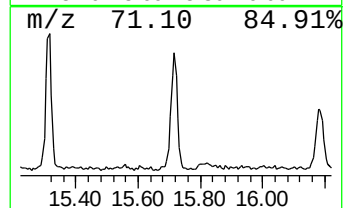
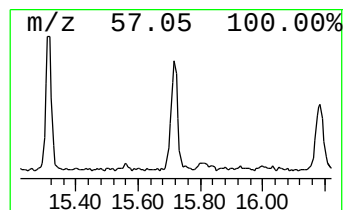
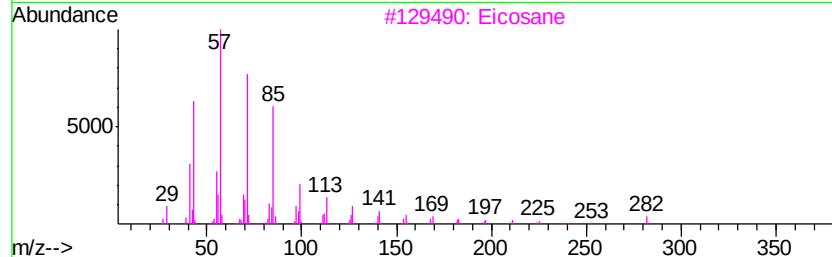
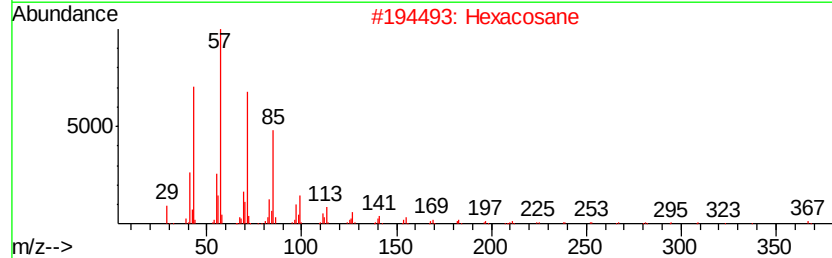
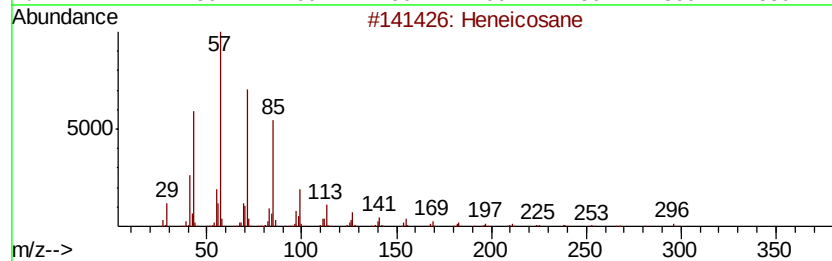
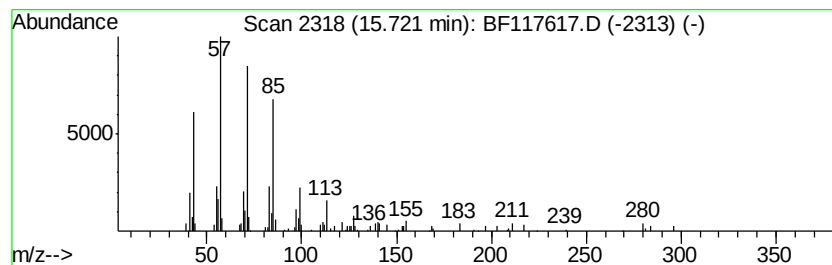
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Heneicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	8.91 ng	100065	Perylene-d12	15.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Hexacosane	366	C26H54	000630-01-3	91
3		Eicosane	282	C20H42	000112-95-8	90
4		Eicosane, 10-methyl-	296	C21H44	054833-23-7	90
5		10-Methylnonadecane	282	C20H42	056862-62-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117617.D
Acq On : 30 Oct 2019 11:59
Operator : JU
Sample : K5540-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
155-40-(0-1.1)

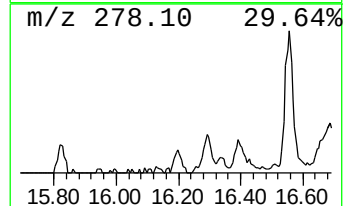
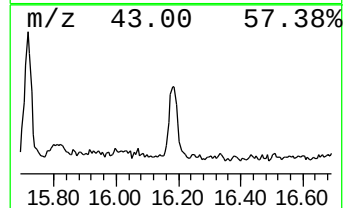
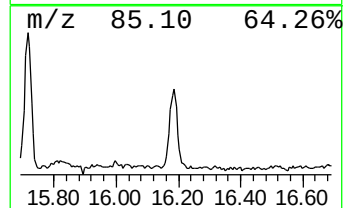
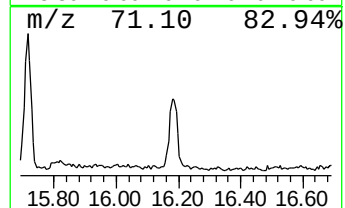
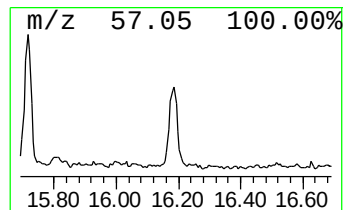
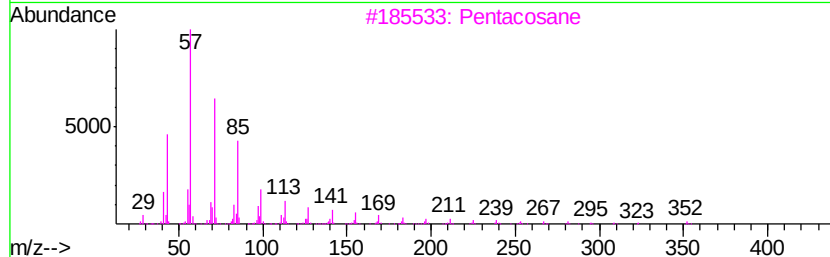
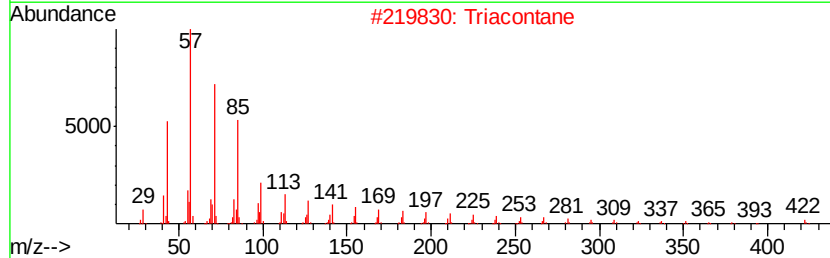
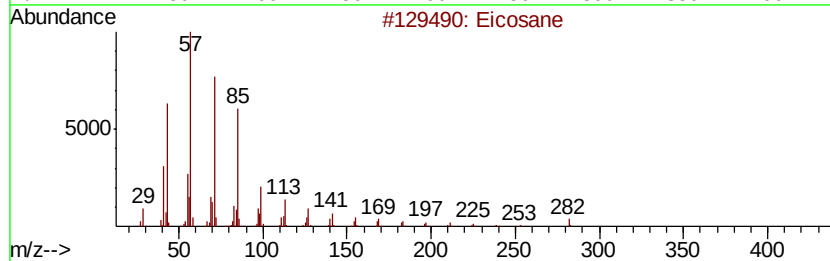
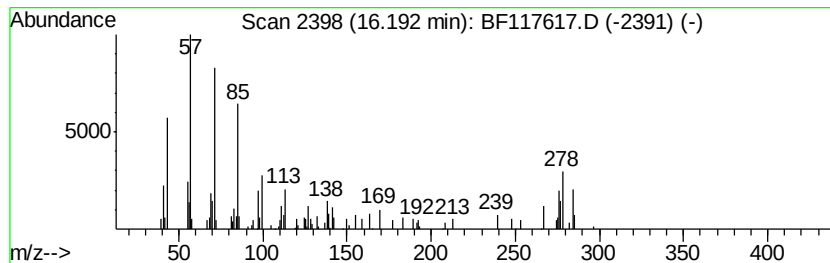
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	13.48 ng	151377	Perylene-d12	15.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	93
2		Triacontane	422	C30H62	000638-68-6	64
3		Pentacosane	352	C25H52	000629-99-2	58
4		Eicosane, 10-methyl-	296	C21H44	054833-23-7	53
5		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103019\
 Data File : BF117617.D
 Acq On : 30 Oct 2019 11:59
 Operator : JU
 Sample : K5540-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 155-40-(0-1.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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
unknown6.50	6.50	75.9	ng	767358	1	6.73	202271	20.0
Naphtho[2,1-b]thi...	11.15	8.0	ng	115239	4	11.25	287083	20.0
Anthracene, 9-met...	11.75	20.4	ng	292410	4	11.25	287083	20.0
Phenanthrene, 2-m...	11.78	32.2	ng	461876	4	11.25	287083	20.0
Phenanthrene, 1-m...	11.83	10.7	ng	153493	4	11.25	287083	20.0
4H-Cyclopenta[def...	11.86	31.3	ng	449508	4	11.25	287083	20.0
Anthracene, 2-met...	11.89	13.0	ng	186525	4	11.25	287083	20.0
Naphthalene, 2-ph...	12.05	13.0	ng	187222	4	11.25	287083	20.0
Phenanthrene, 2,5...	12.30	12.3	ng	176564	4	11.25	287083	20.0
unknown12.34	12.34	8.7	ng	124899	4	11.25	287083	20.0
Cyclopenta(def)ph...	12.40	9.6	ng	137299	4	11.25	287083	20.0
Hexadecane	14.64	7.7	ng	86659	6	15.34	224554	20.0
Squalene	14.71	8.7	ng	97508	6	15.34	224554	20.0
1,1'-Binaphthalene	14.78	8.6	ng	97049	6	15.34	224554	20.0
Perylene	15.03	11.0	ng	123059	6	15.34	224554	20.0
Benzo[e]pyrene	15.22	37.5	ng	420500	6	15.34	224554	20.0
13H-Dibenzo[a,h]f...	15.56	7.7	ng	85902	6	15.34	224554	20.0
Heneicosane	15.72	8.9	ng	100065	6	15.34	224554	20.0
Eicosane	16.19	13.5	ng	151377	6	15.34	224554	20.0