LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116772.D
Acq On : 3 Sep 2019 15:11
Operator : HP/JU
Sample : K4618-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BF083019.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	5.463	569	574	577	rBV	2675509	2485284	47.39%	3.843%
2	6.475	741	746	751	rBV2	2693165	2888462	55.08%	4.467%
3	6.616	766	770	773	rBV	3151074	2718453	51.83%	4.204%
4	6.845	806	809	813	rBV	830266	612453	11.68%	0.947%
5	7.004	832	836	839	rBV	2479264	1992098	37.98%	3.081%
6	7.404	897	904	907	rBV	2022542	1733745	33.06%	2.681%
7	7.616	937	940	942	rBV	73353	55814	1.06%	0.086%
8	7.645	942	945	950	rVB	75460	63649	1.21%	0.098%
9	8.128	1022	1027	1029	rBV	1022036	871070	16.61%	1.347%
10	8.145	1029	1030	1034	rVB	160327	124755	2.38%	0.193%
11	8.722	1125	1128	1132	rBV2	94501	93166	1.78%	0.144%
12	8.839	1146	1148	1151	rVB	80710	59659	1.14%	0.092%
13	8.939	1160	1165	1173	rBV3	45725	86864	1.66%	0.134%
14	9.204	1205	1210	1213	rBV	2853317	2610061	49.77%	4.036%
15	9.286	1220	1224	1229	rBV3	89451	109438	2.09%	0.169%
16	9.351	1229	1235	1237	rVB6	40628	65495	1.25%	0.101%
17	9.539	1262	1267	1270	rBV5	59176	76780	1.46%	0.119%
18	9.592	1273	1276	1281	rVB	311763	290123	5.53%	0.449%
19	9.792	1305	1310	1312	rBV4	41018	55138	1.05%	0.085%
20	9.857	1317	1321	1322	rVV2	47869	60360	1.15%	0.093%
21	9.881	1322	1325	1328	rVV	1168372	929507	17.72%	1.437%
22	9.981	1340	1342	1347	rVB	47846	63646	1.21%	0.098%
23	10.081	1356	1359	1363	rVB2	66562	65001	1.24%	0.101%
24	10.151	1368	1371	1374	rBV2	114396	124777	2.38%	0.193%
25	10.663	1453	1458	1462	rVV	1774420	1818371	34.67%	2.812%
26	10.751	1470	1473	1477	rBV5	50228	71941	1.37%	0.111%
27	10.786	1477	1479	1482	rBV3	62276	64247	1.23%	0.099%
28	10.998	1513	1515	1521	rVV4	93207	170611	3.25%	0.264%
29	11.045	1521	1523	1528	rVB3	60409	85864	1.64%	0.133%
30	11.122	1532	1536	1538	rBV3	91613	102086	1.95%	0.158%
31	11.216	1547	1552	1553	rBV5	62873	92321	1.76%	0.143%
32	11.233	1553	1555	1557	rVB2	72924	59452	1.13%	0.092%
33	11.363	1573	1577	1579	rBV	1066315	905140	17.26%	1.400%
34	11.386	1579	1581	1585	rVV	269331	230356	4.39%	0.356%

LSC Area Percent Report

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Sample : K4618-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.433	1587	1589	1592	rVB	120602	106206	2.03%	0.164%
36	11.469	1592	1595	1598	rBV2	72140	111452	2.13%	0.172%
37	11.616	1614	1620	1623	rBV6	77803	142843	2.72%	0.221%
38	11.716	1635	1637	1643	rVB5	60202	78811	1.50%	0.122%
39	11.863	1659	1662	1664	rBV	287720	233538	4.45%	0.361%
40	11.892	1664	1667	1672	rVB	863705	778397	14.84%	1.204%
41	11.939	1672	1675	1678	rBV2	181030	190699	3.64%	0.295%
42	11.975	1678	1681	1683	rBV	152006	157991	3.01%	0.244%
43	12.063	1694	1696	1700	rBV3	84877	90164	1.72%	0.139%
44	12.233	1722	1725	1728	rBV	137039	127324	2.43%	0.197%
45	12.304	1735	1737	1740	rVB2	235424	214945	4.10%	0.332%
46	12.339	1740	1743	1745	rBV	232808	201545	3.84%	0.312%
47	12.363	1745	1747	1749	rVB	171839	135921	2.59%	0.210%
48	12.410	1752	1755	1758	rVV	296994	338950	6.46%	0.524%
49	12.451	1759	1762	1767	rVB4	273247	356243	6.79%	0.551%
50	12.498	1767	1770	1774	rBV2	201387	242621	4.63%	0.375%
51	12.574	1779	1783	1785	rBV2	330830	344630	6.57%	0.533%
52	12.639	1792	1794	1797	rBV3	132027	121548	2.32%	0.188%
53	12.674	1797	1800	1802	rBV	332764	347521	6.63%	0.537%
54	12.733	1807	1810	1812	rVV3	132004	152066	2.90%	0.235%
55	12.757	1812	1814	1817	rVV	192142	193579	3.69%	0.299%
56	12.798	1817	1821	1823	rVV	758005	707879	13.50%	1.095%
57	12.822	1823	1825	1828	rVV	285141	280356	5.35%	0.434%
58	12.863	1828	1832	1835	rVB	223286	295027	5.63%	0.456%
59	12.945	1842	1846	1849	rBV	2580430	2445002	46.62%	3.781%
60	13.016	1855	1858	1865	rBV2	221911	347167	6.62%	0.537%
61	13.074	1866	1868	1870	rBV2	120187	101327	1.93%	0.157%
62	13.127	1875	1877	1880	rVB2	305751	243455	4.64%	0.377%
63	13.157	1880	1882	1884	rBV2	101441	107171	2.04%	0.166%
64	13.192	1884	1888	1891	rVB2	233213	282819	5.39%	0.437%
65	13.233	1891	1895	1898	rBV	700901	677766	12.92%	1.048%
66	13.327	1908	1911	1913	rBV	130200	94895	1.81%	0.147%
67	13.357	1913	1916	1920	rBV4	141277	170124	3.24%	0.263%
68	13.521	1941	1944	1948	rBV3	327607	525184	10.01%	0.812%
69	13.610	1956	1959	1961	rBV2	200804	258897	4.94%	0.400%
70	13.633	1961	1963	1968	rVV4	874527	1141072	21.76%	1.765%
71	13.698	1972	1974	1978	rVV	205677	172742	3.29%	0.267%

LSC Area Percent Report

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Sample : K4618-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.733	1978	1980	1981	rVV	209872	177241	3.38%	0.274%
73	13.763	1983	1985	1989	rVB2	395418	407924	7.78%	0.631%
74	13.839	1995	1998	2005	rVB2	1329462	1541283	29.39%	2.384%
75	13.898	2005	2008	2009	rBV	228034	205766	3.92%	0.318%
76	13.992	2017	2024	2027	rBV2	1238762	2152055	41.03%	3.328%
77	14.021	2027	2029	2032	rVB	1040645	940441	17.93%	1.454%
78	14.086	2037	2040	2042	rBV	241276	203430	3.88%	0.315%
79	14.163	2051	2053	2059	rVB3	466978	522746	9.97%	0.808%
80	14.286	2071	2074	2076	rVB	476867	409211	7.80%	0.633%
81	14.345	2081	2084	2086	rBV	392103	430545	8.21%	0.666%
82	14.386	2086	2091	2094	rVV	1518134	1817464	34.65%	2.811%
83	14.421	2094	2097	2099	rVB	938838	799007	15.24%	1.236%
84	14.468	2102	2105	2109	rVB2	950313	1150354	21.93%	1.779%
85	14.721	2144	2148	2150	rBV	442424	619010	11.80%	0.957%
86	14.774	2153	2157	2159	rVV	852563	1025349	19.55%	1.586%
87	14.804	2159	2162	2166	rVB2	503201	635344	12.11%	0.983%
88	14.916	2178	2181	2183	rBV2	360147	474942	9.06%	0.734%
89	15.033	2198	2201	2207	rVB	520714	658676	12.56%	1.019%
90	15.110	2211	2214	2216	rBV	425103	418929	7.99%	0.648%
91	15.339	2249	2253	2258	rVB	987588	1267560	24.17%	1.960%
92	15.398	2259	2263	2269	rVB	934887	1304676	24.88%	2.018%
93	15.463	2270	2274	2276	rBV	565809	738011	14.07%	1.141%
94	15.486	2276	2278	2286	rVB2	492610	784583	14.96%	1.213%
95	15.780	2324	2328	2332	rBV2	534128	831633	15.86%	1.286%
96	15.821	2332	2335	2342	rVB	677449	869787	16.58%	1.345%
97	16.421	2434	2437	2441	rBV2	177328	267197	5.09%	0.413%
98	17.368	2593	2598	2607	rVB	416695	870121	16.59%	1.346%
99	17.598	2629	2637	2652	rVB4	1250355	3540319	67.50%	5.475%
100	17.851	2671	2680	2694	rBV3	1784344	5244537	100.00%	8.111%

Sum of corrected areas: 64662205

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116772.D
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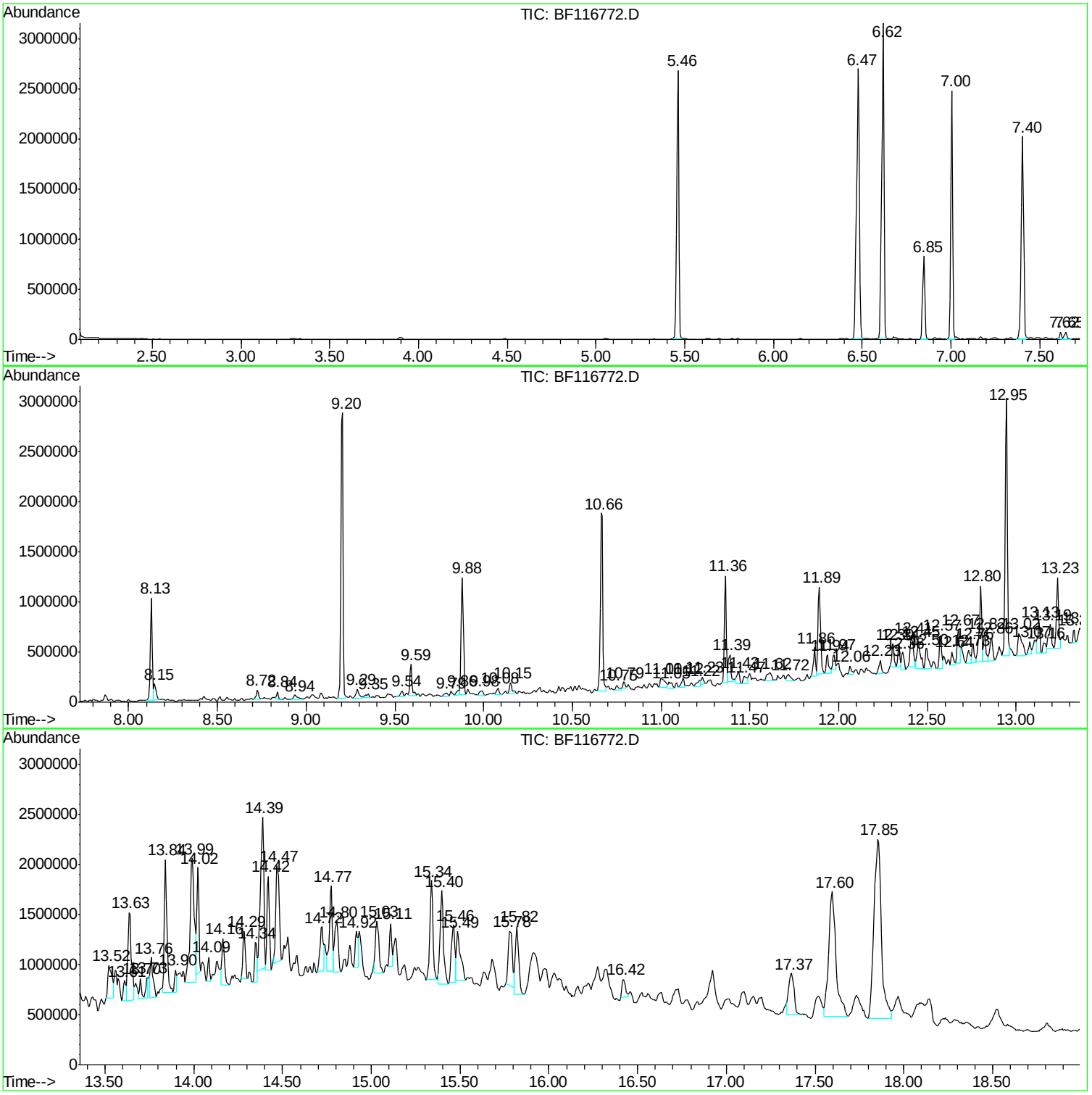
Operator : HP/JU
Sample : K4618-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116772.D
Acq On : 3 Sep 2019 15:11
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Misc :
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Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

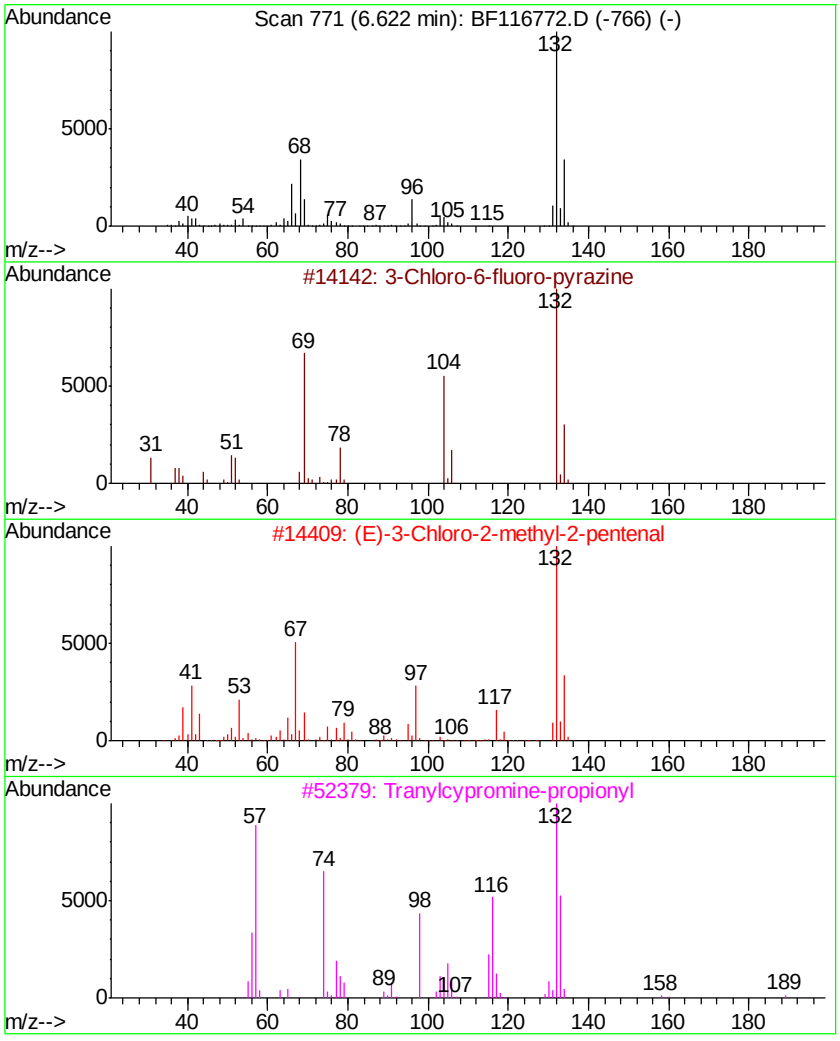
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

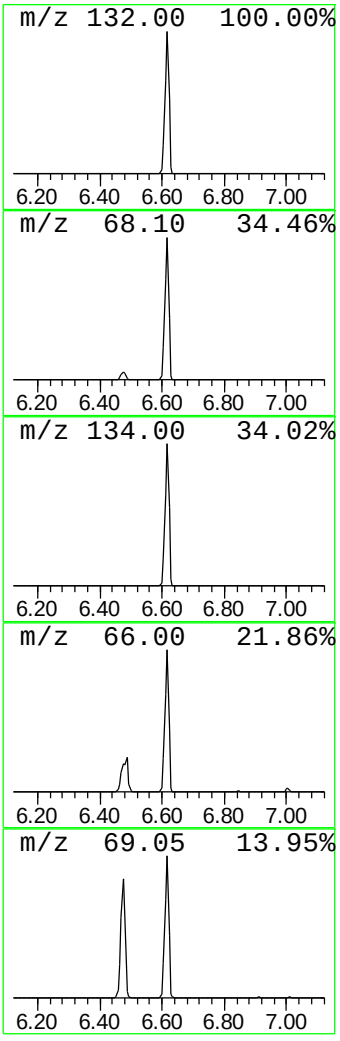
****

Peak Number 1 unknown6.62 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	88.77 ng	2718450	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

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Data File : BF116772.D
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Sample : K4618-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

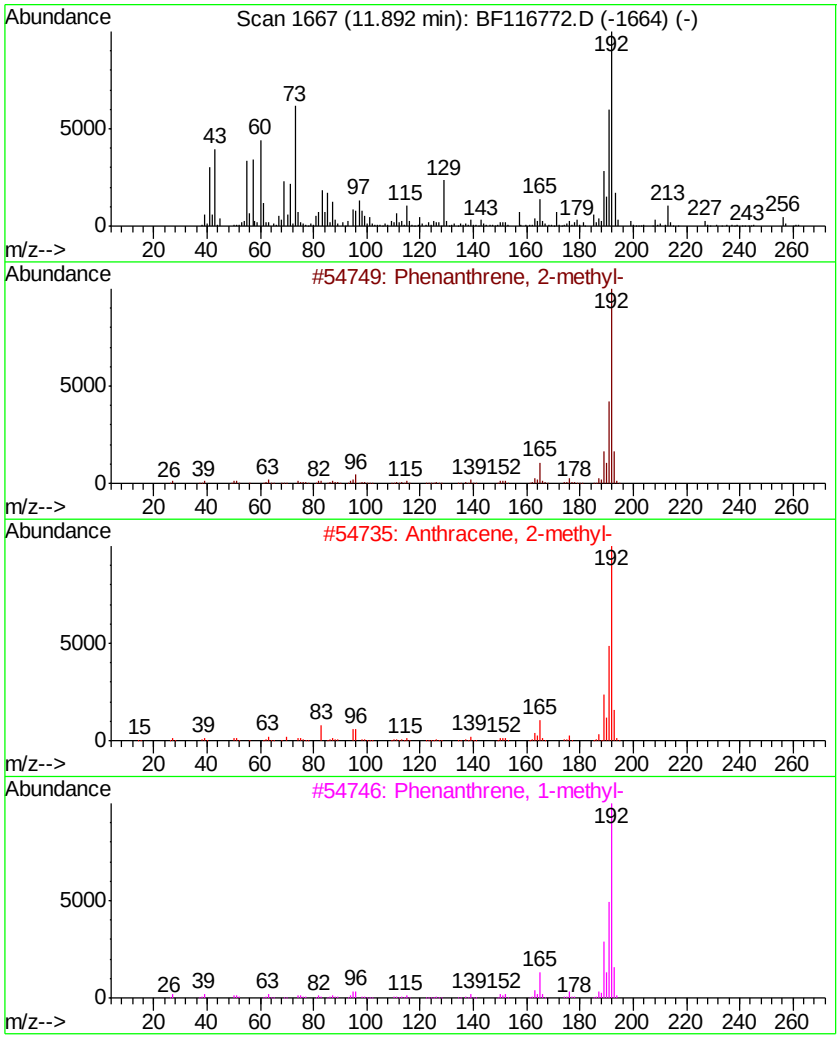
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

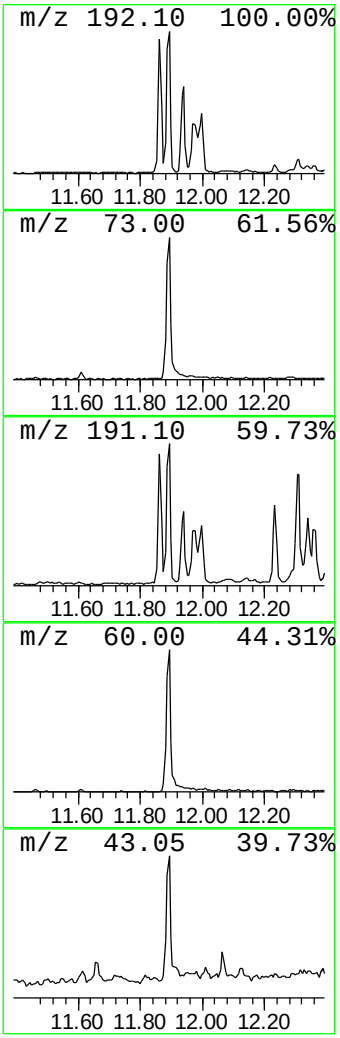
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	17.20 ng	778397	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
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	95





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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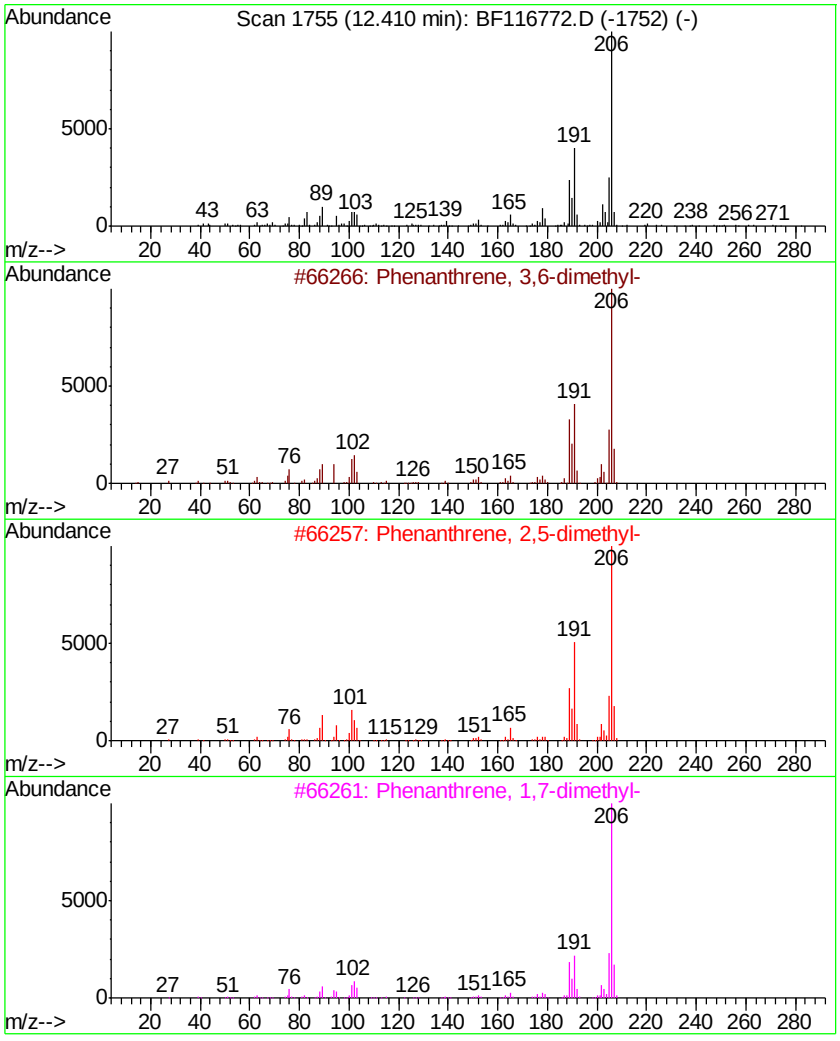
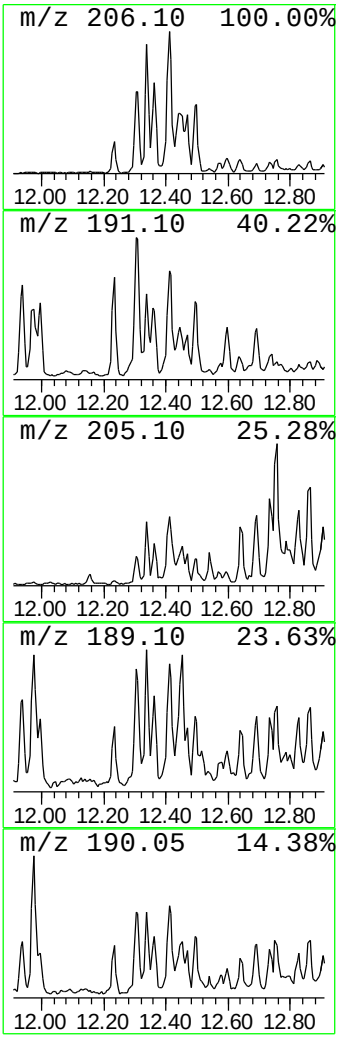
Peak Number 4 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	7.49 ng	338950	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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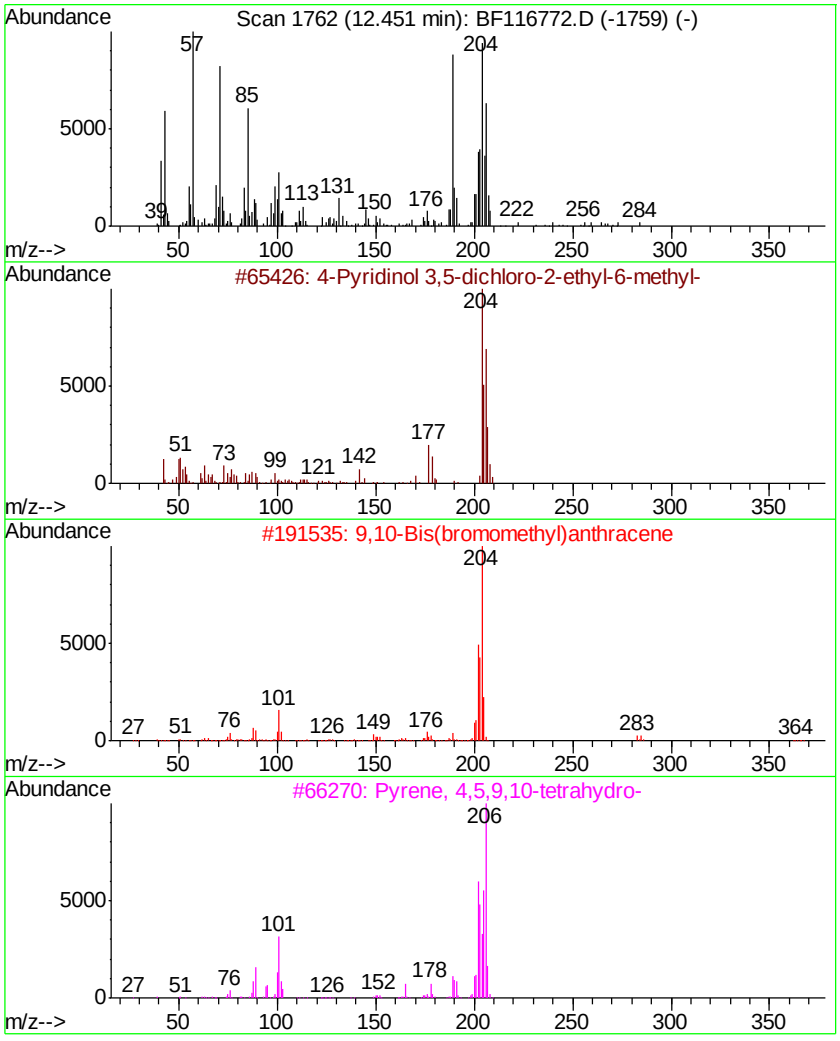
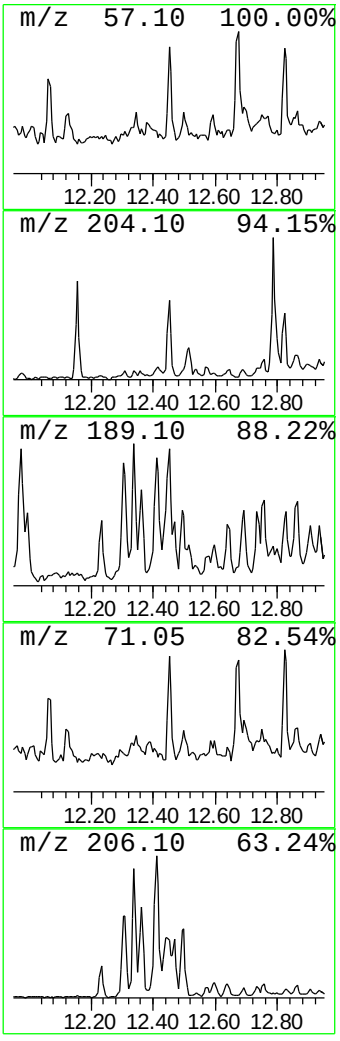
Peak Number 5 unknown12.45 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	7.87 ng	356243	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pyridinol 3,5-dichloro-2-ethyl...	205	C8H9Cl2NO	1000253-55-0	35
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	25
4	Levamisole	204	C11H12N2S	014769-73-4	18
5	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116772.D
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Sample : K4618-05
Misc :
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Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

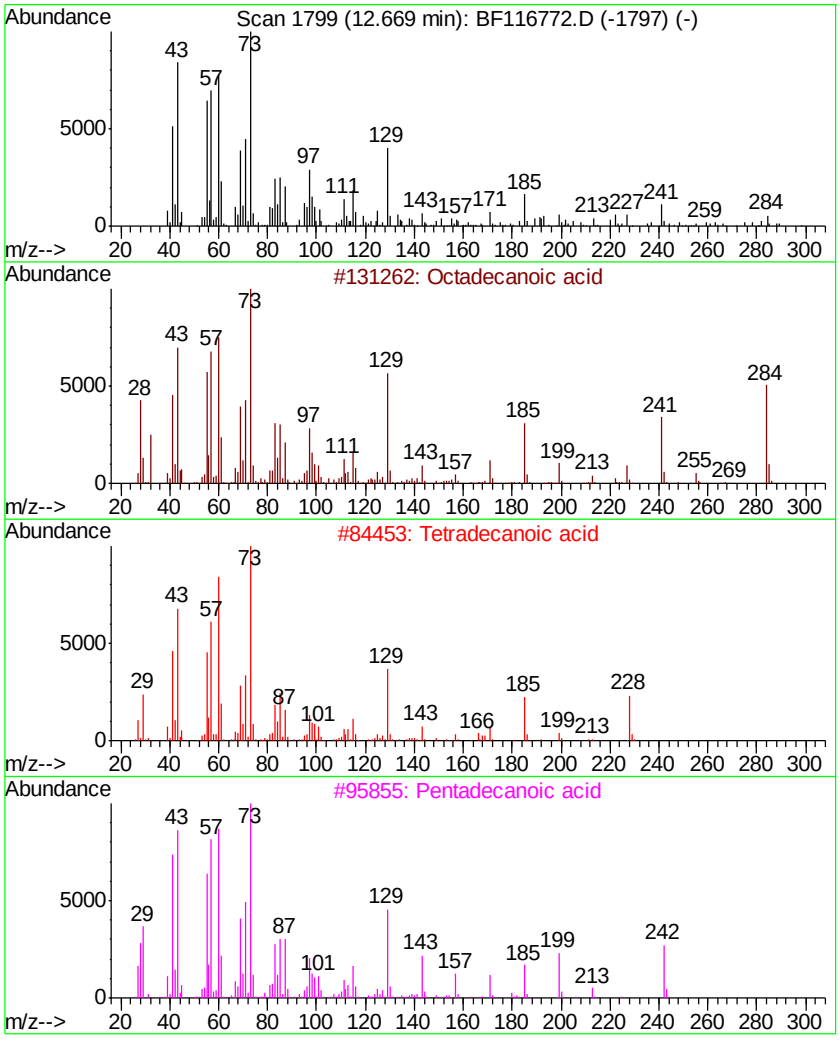
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

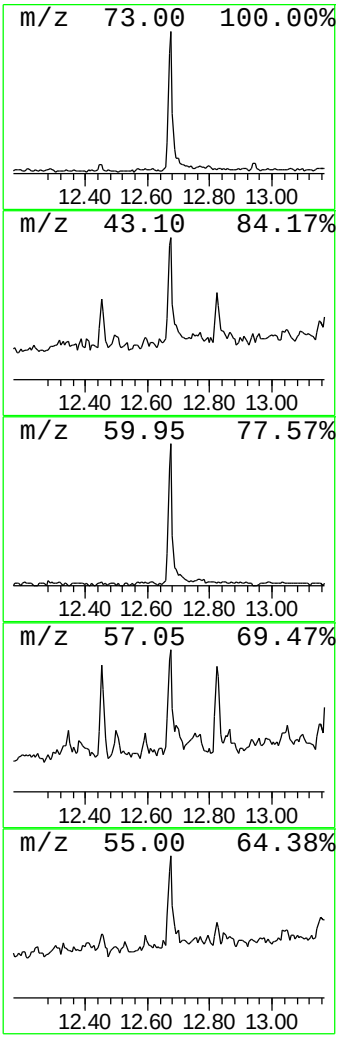
****

Peak Number 6 Octadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	7.68 ng	347521	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





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Operator : HP/JU
Sample : K4618-05
Misc :
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Instrument : BNA_F
ClientSampleId : SB-4-18-20

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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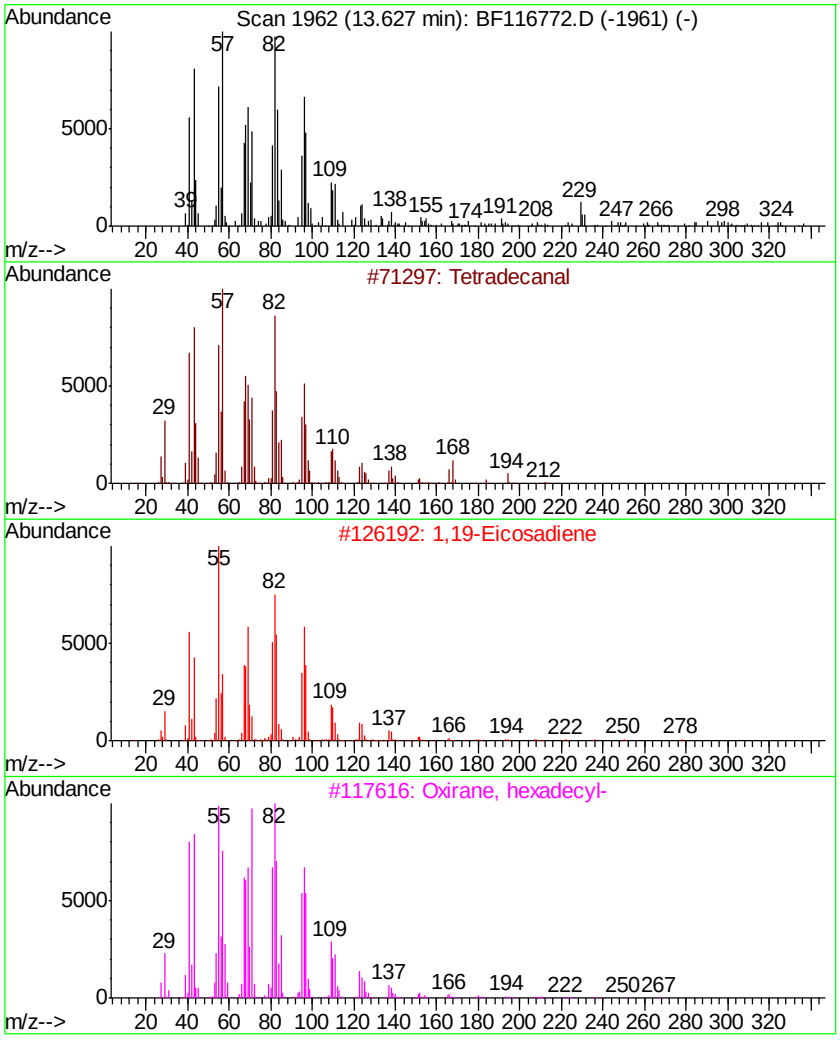
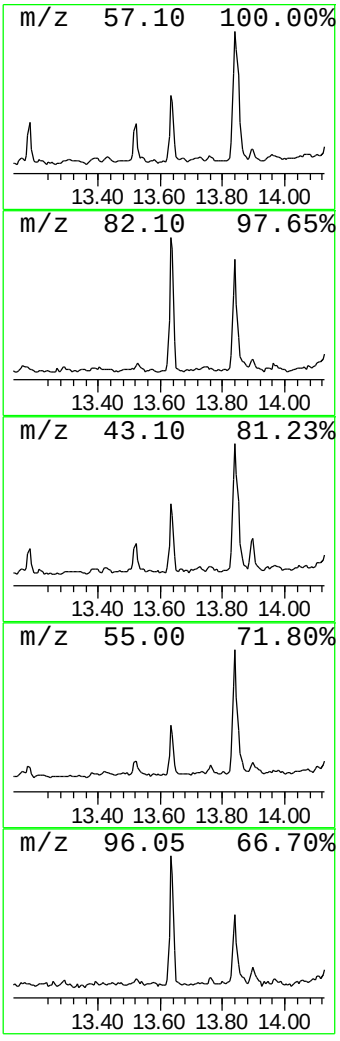
Peak Number 7 Tetradecanal Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	10.60 ng	1141070	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanal	212	C14H28O	000124-25-4	94
2	1,19-Eicosadiene	278	C20H38	014811-95-1	94
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	90
4	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	90
5	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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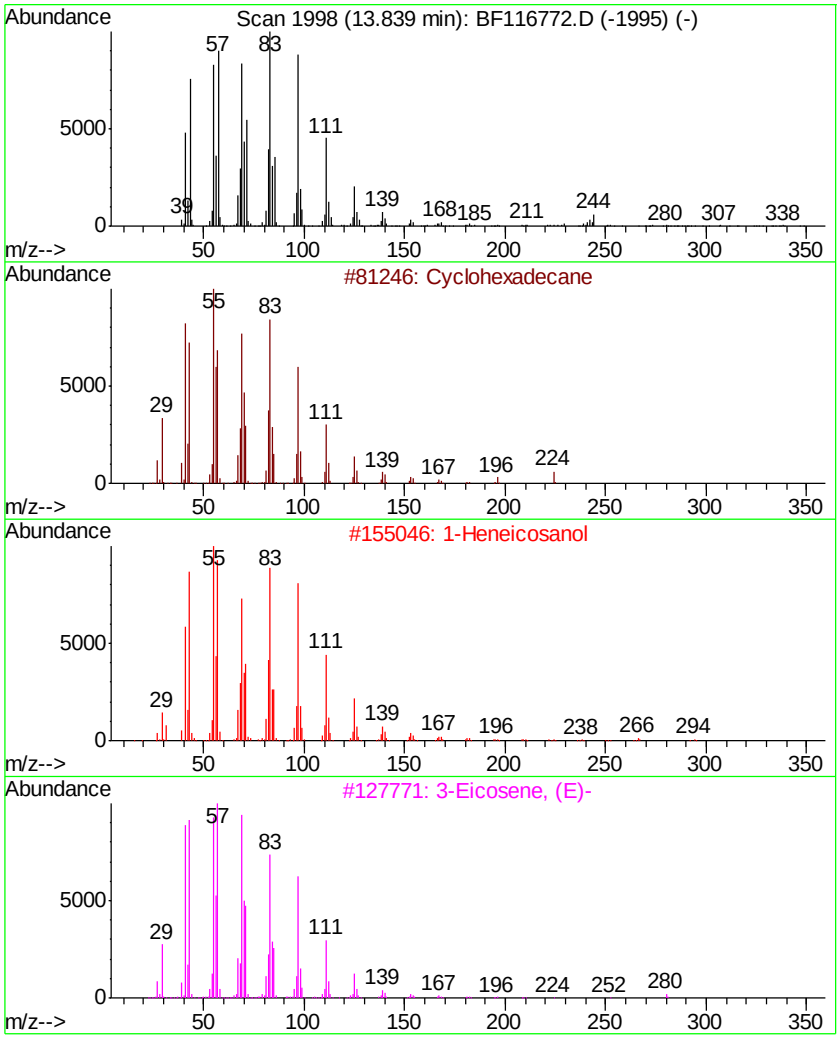
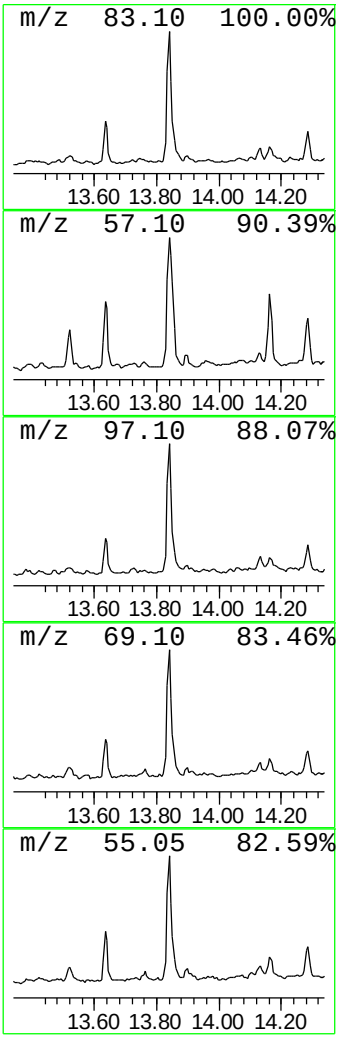
Peak Number 8 1-Heneicosanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	14.32 ng	1541280	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	94
2	1-Heneicosanol	312	C21H44O	015594-90-8	94
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
5	Behenic alcohol	326	C22H46O	000661-19-8	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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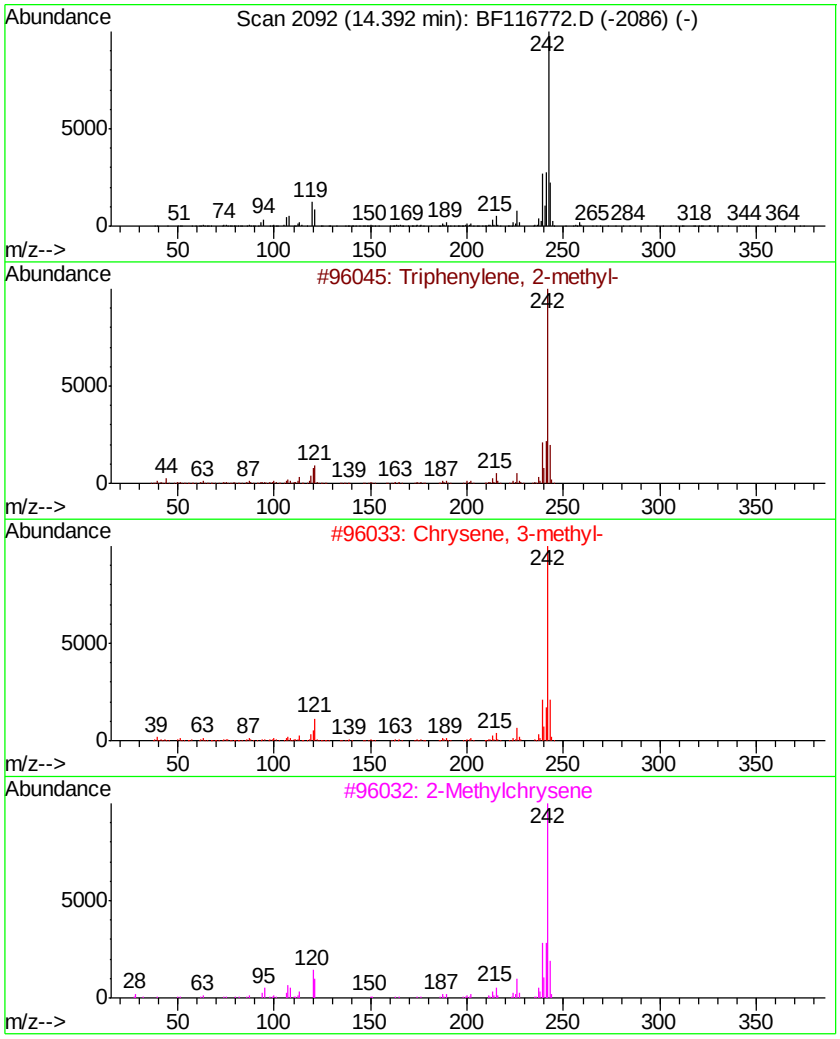
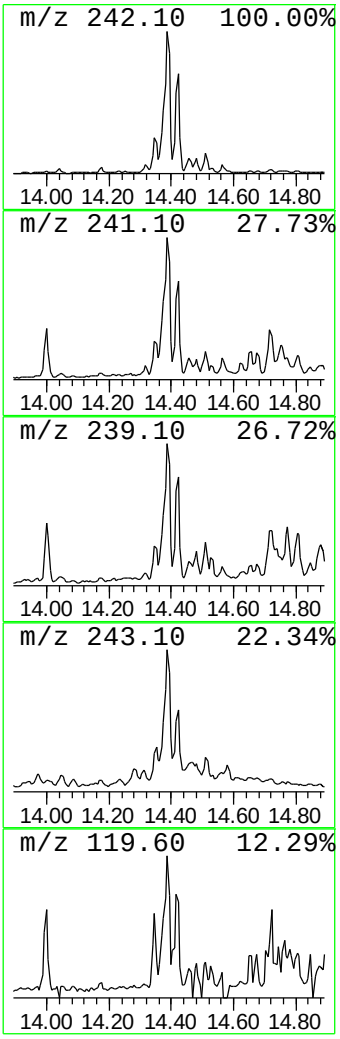
Peak Number 9 Triphenylene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	16.89 ng	1817460	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2	Chrysene, 3-methyl-	242	C19H14	003351-31-3	96
3	2-Methylchrysene	242	C19H14	003351-32-4	96
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
5	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	96





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Instrument : BNA_F
ClientSampleId : SB-4-18-20

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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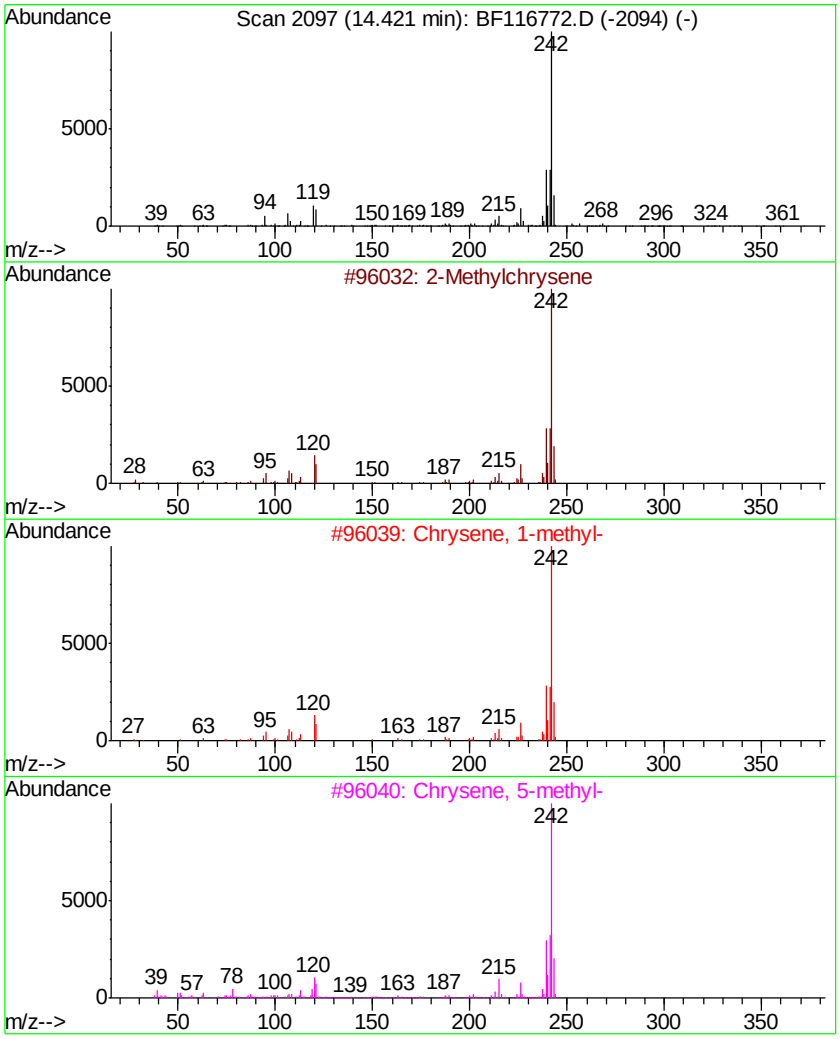
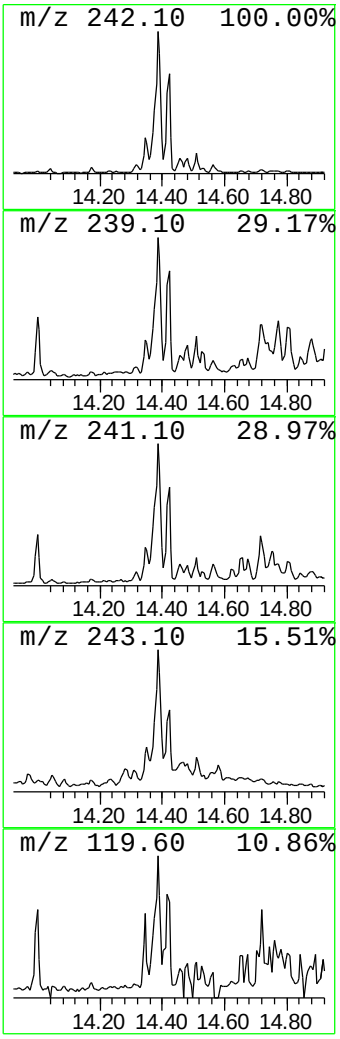
Peak Number 10 2-Methylchrysene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	7.43 ng	799007	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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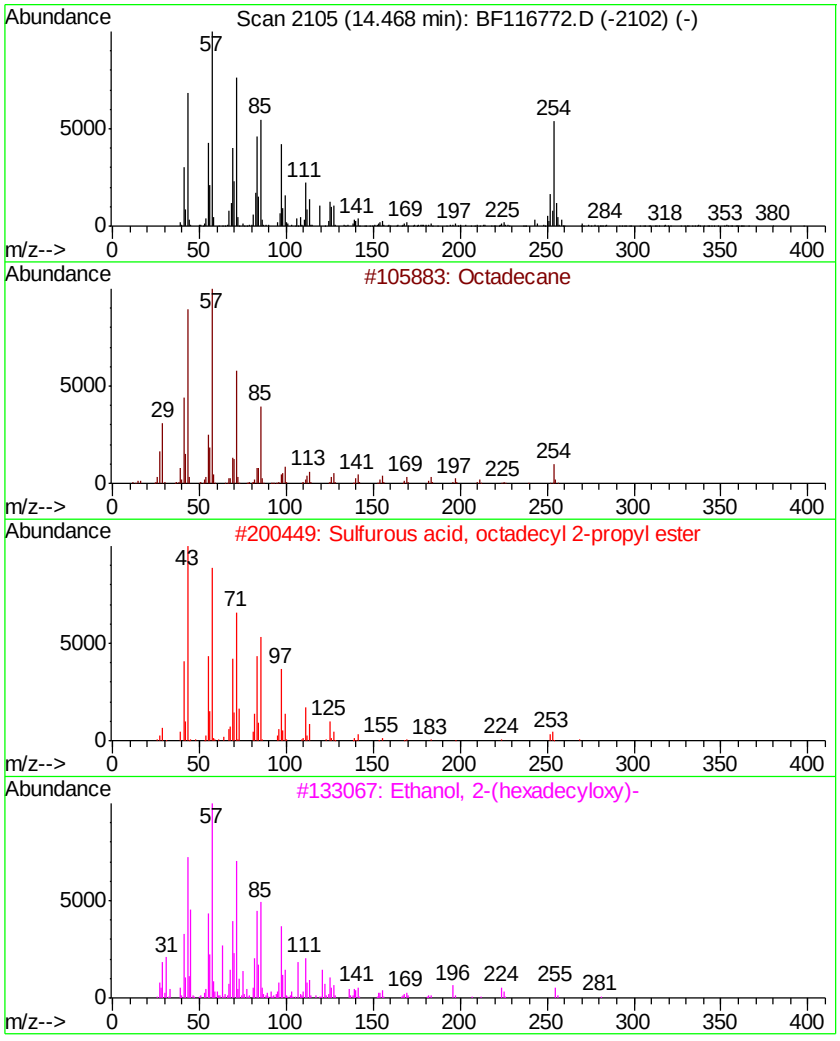
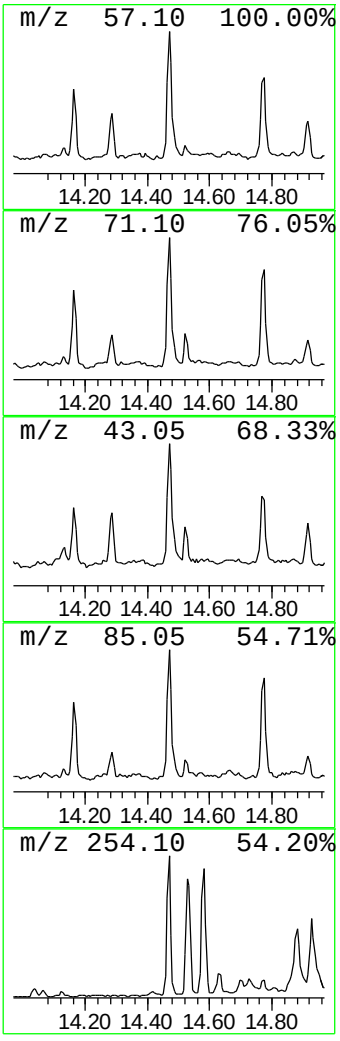
Peak Number 11 Octadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	10.69 ng	1150350	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	78
2	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	70
3	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	68
4	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	58
5	E-7-Octadecene	252	C18H36	1000130-92-0	52





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

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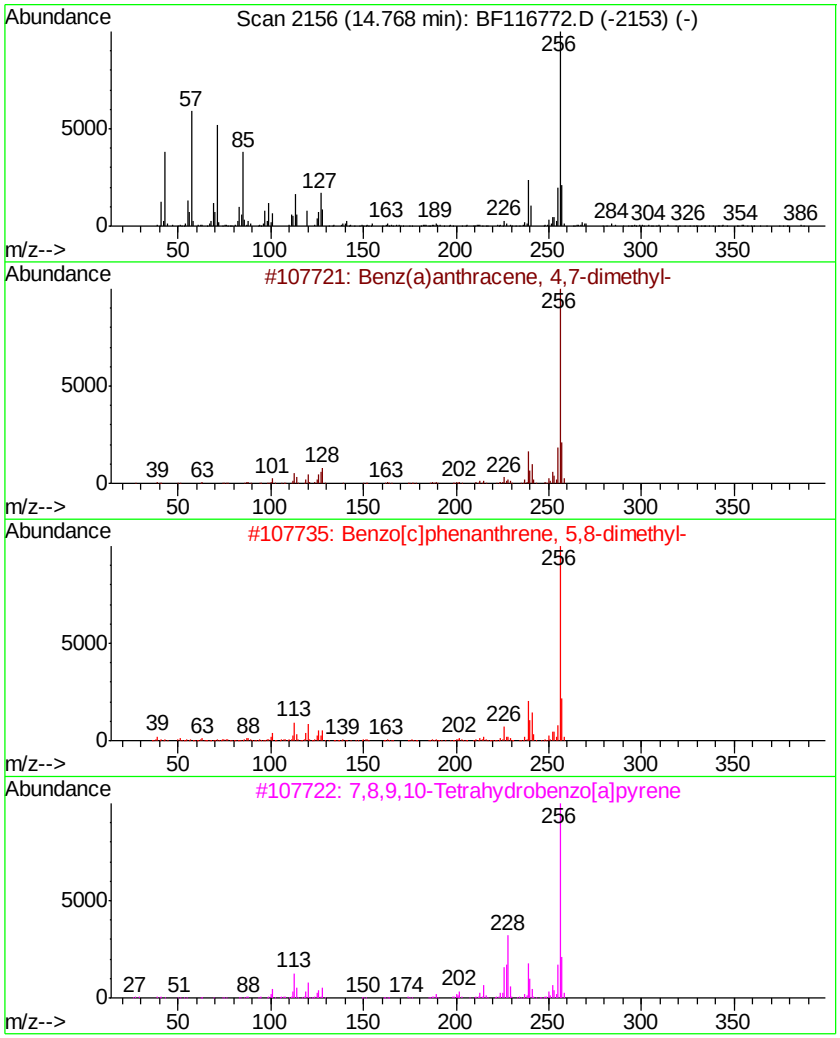
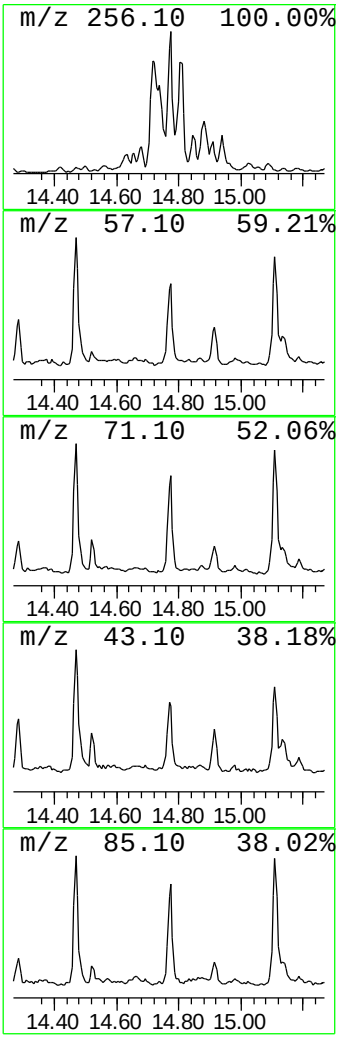
Peak Number 12 Benz(a)anthracene, 4,7-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	27.79 ng	1025350	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	91
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	78
3	7,8,9,10-Tetrahydrobenzo[a]pyrene	256	C20H16	017750-93-5	78
4	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	78
5	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	70





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ClientSampleId : SB-4-18-20

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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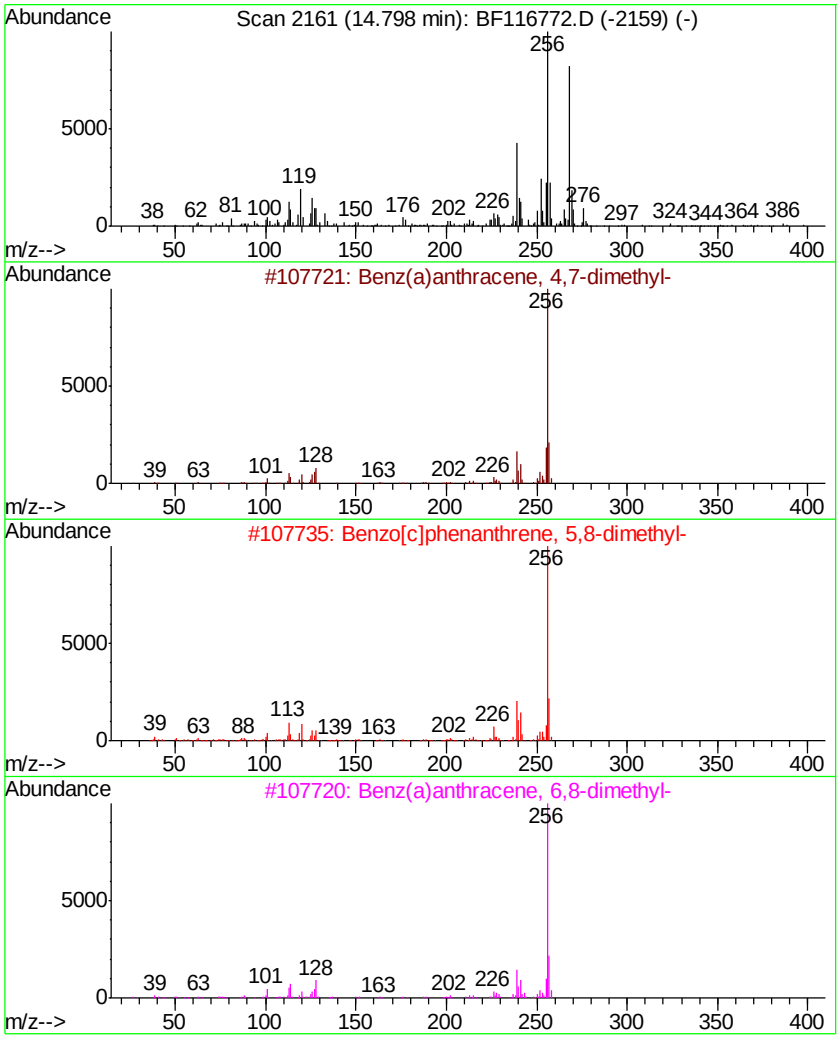
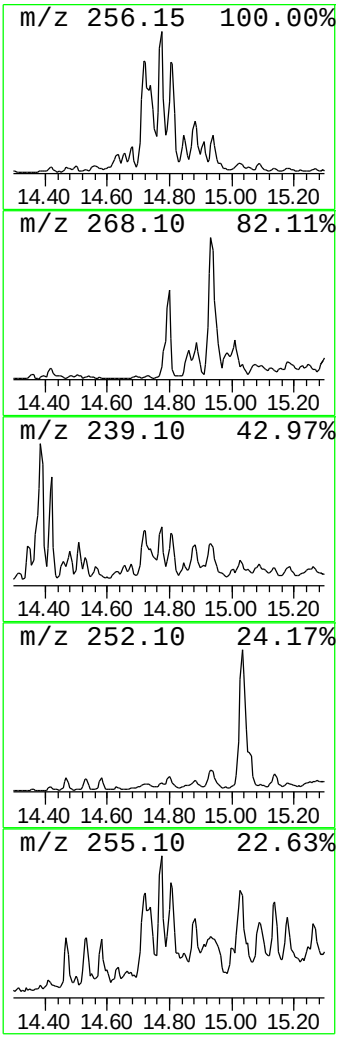
Peak Number 13 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	17.22 ng	635344	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	93
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	93
3	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	91
4	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	89
5	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	89





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

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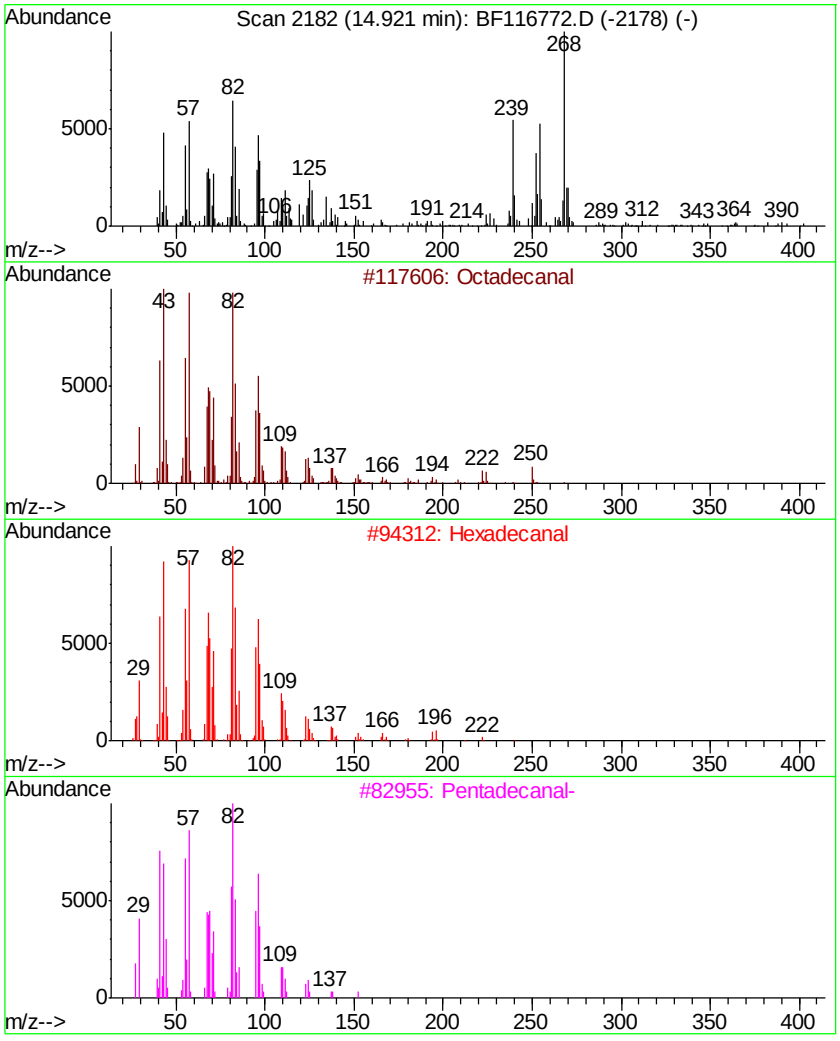
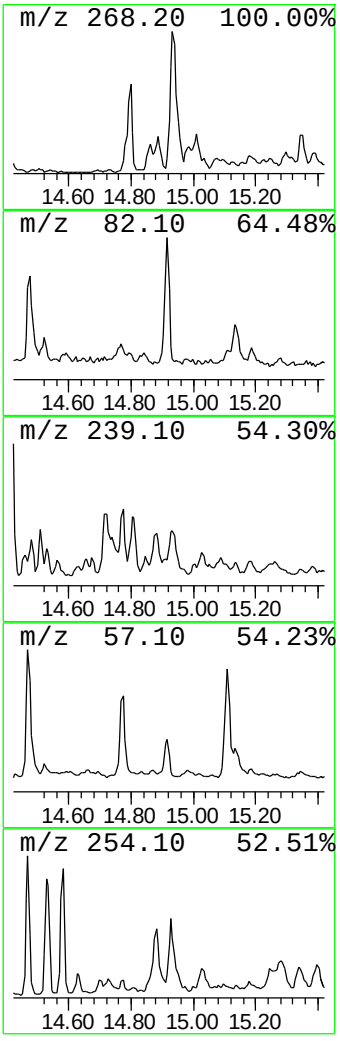
Peak Number 14 Octadecanal Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	12.87 ng	474942	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	93
2	Hexadecanal	240	C16H32O	000629-80-1	87
3	Pentadecanal-	226	C15H30O	002765-11-9	87
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	83
5	1,19-Eicosadiene	278	C20H38	014811-95-1	74





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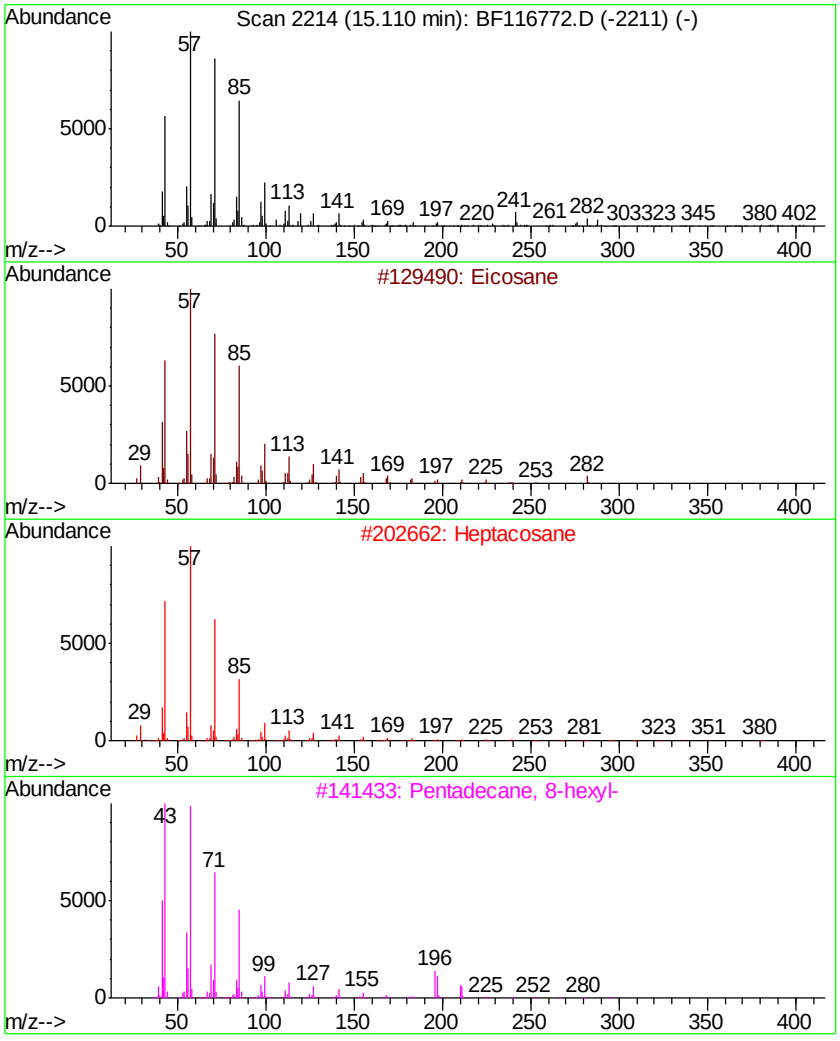
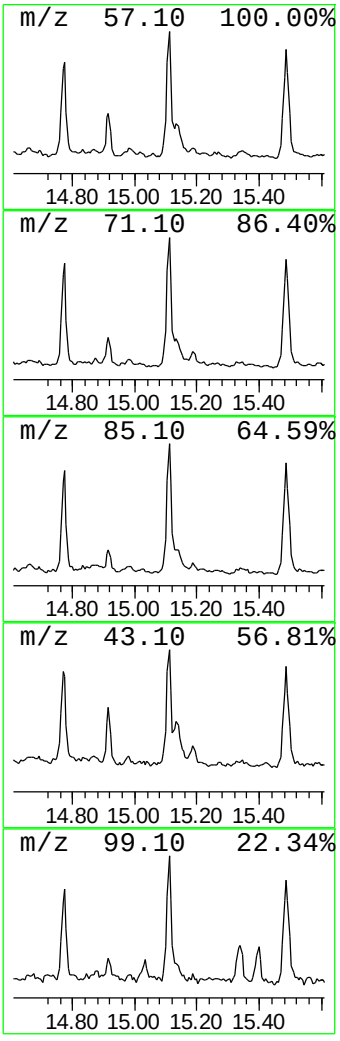
Peak Number 15 Eicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	11.35 ng	418929	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Heptacosane	380	C27H56	000593-49-7	93
3	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	87
4	Heneicosane	296	C21H44	000629-94-7	86
5	Hexacosane	366	C26H54	000630-01-3	83





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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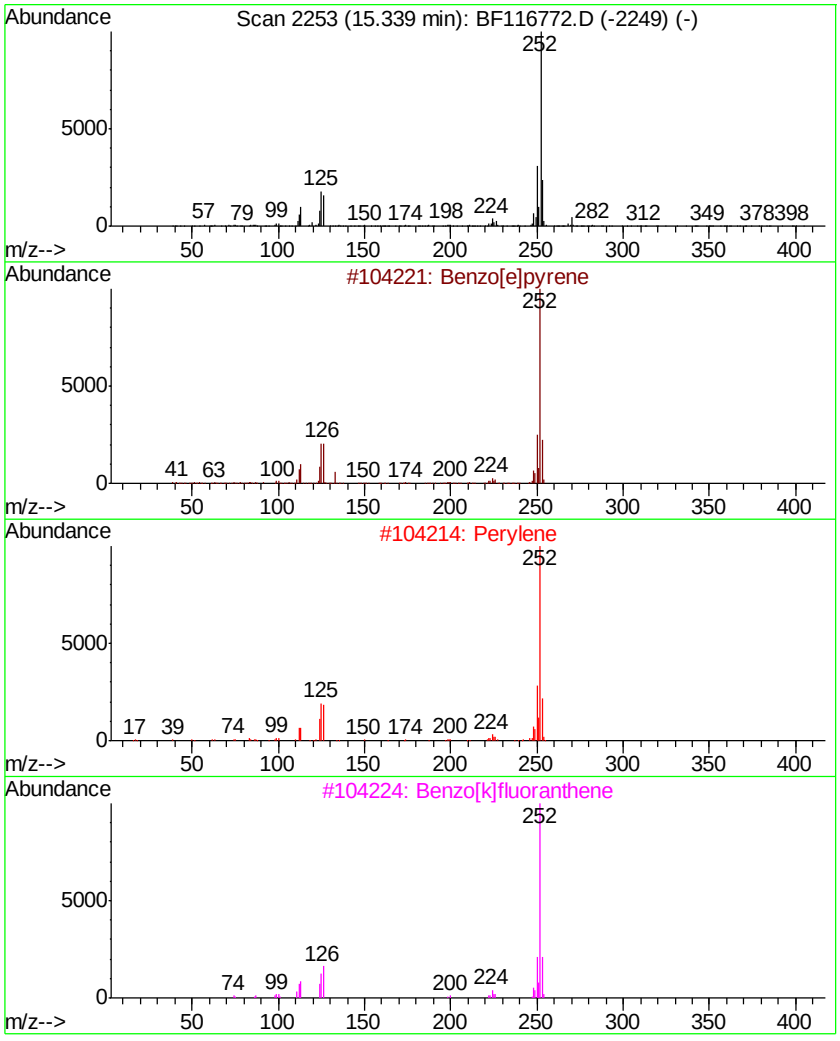
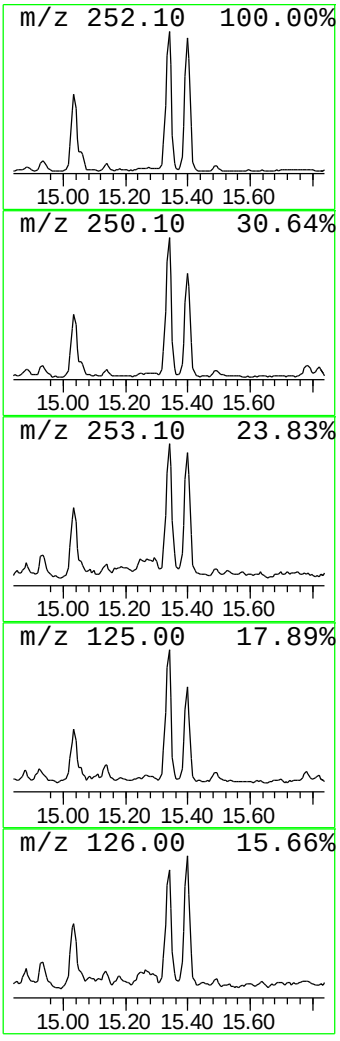
Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	34.35 ng	1267560	Perylene-d12	15.46

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





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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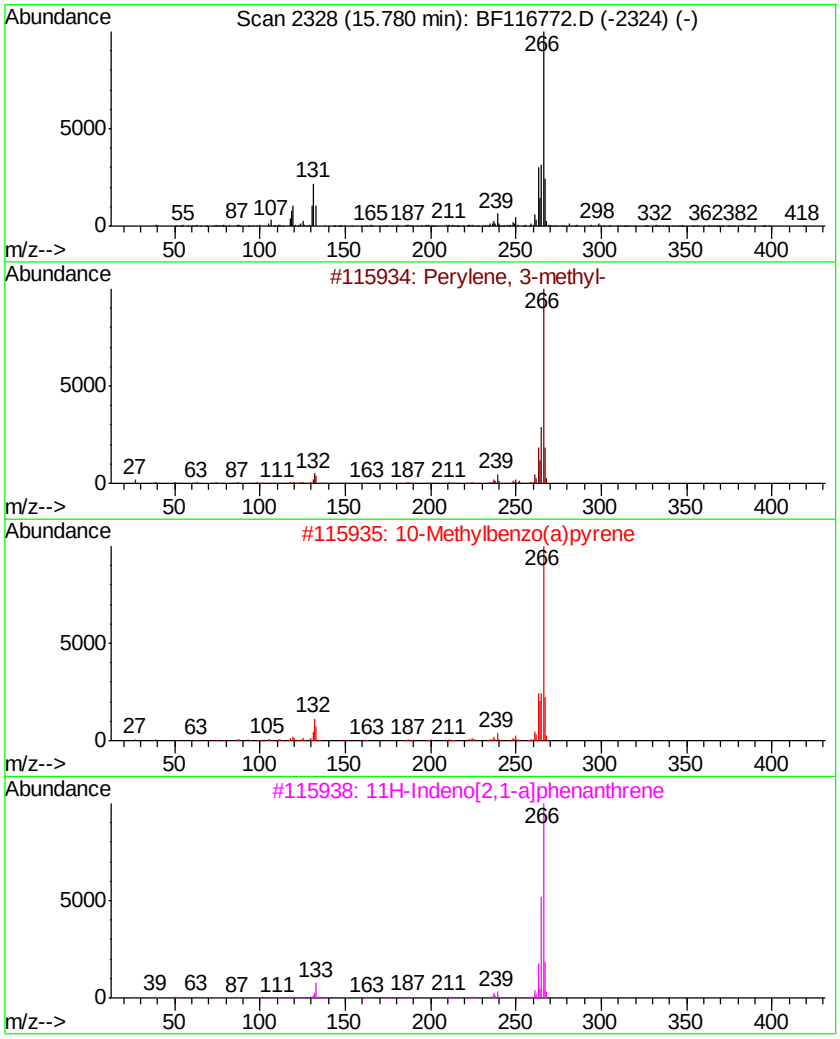
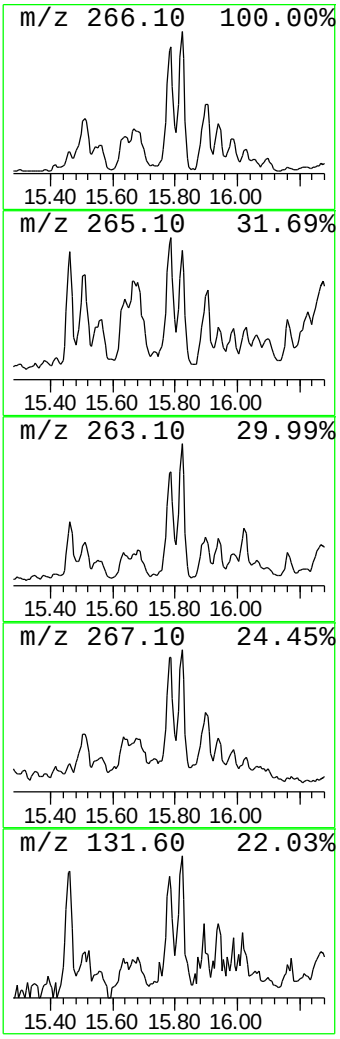
Peak Number 17 Perylene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	22.54 ng	831633	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	96
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	86
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	78
4	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	60
5	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	59





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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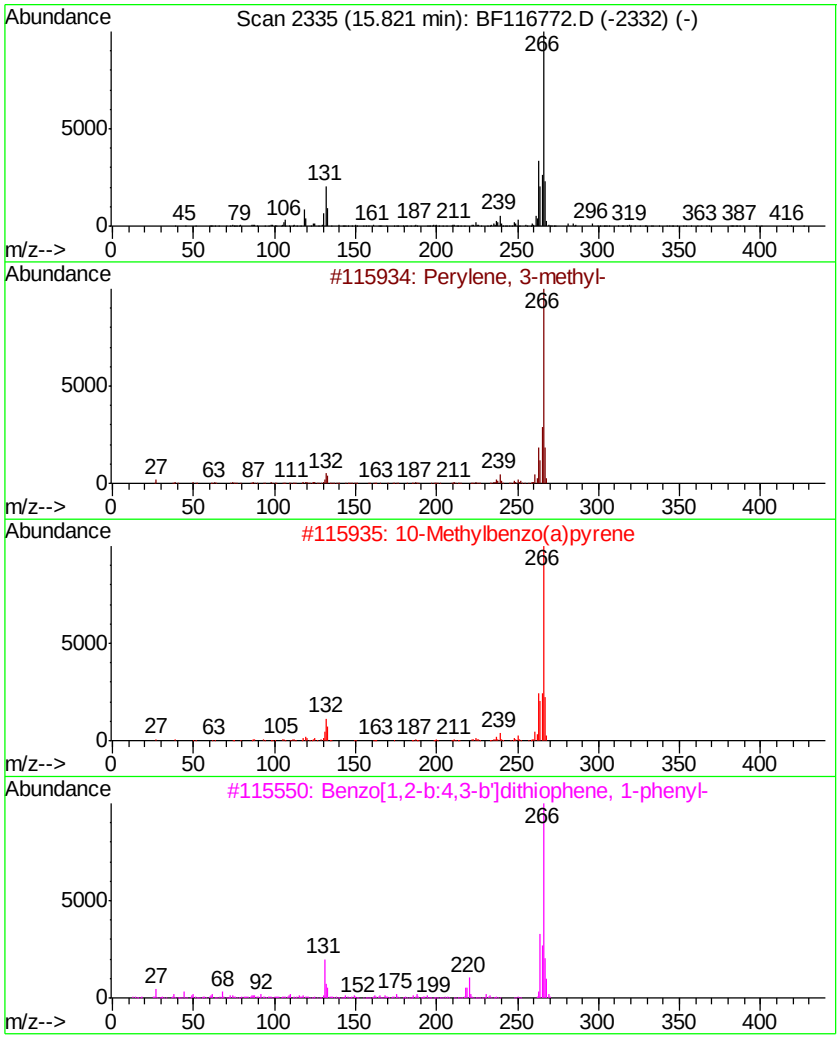
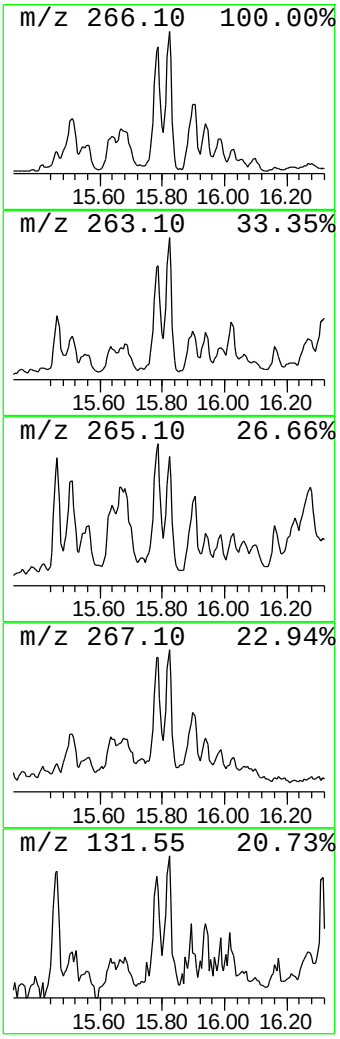
Peak Number 18 10-Methylbenzo(a)pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	23.57 ng	869787	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	93
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	92
3	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	58
4	1,2,3,3a,3b,4,5,6,7,7a,9,10,11,1...	266	C20H26	095676-39-4	53
5	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116772.D
Acq On : 3 Sep 2019 15:11
Operator : HP/JU
Sample : K4618-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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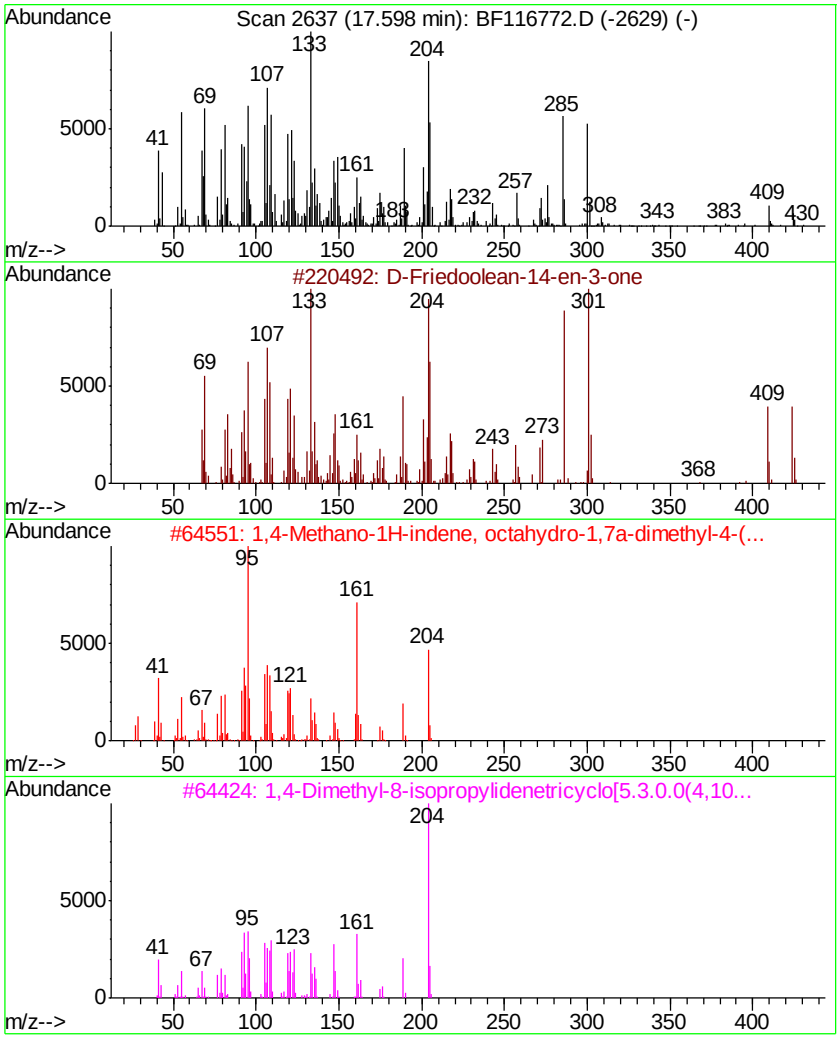
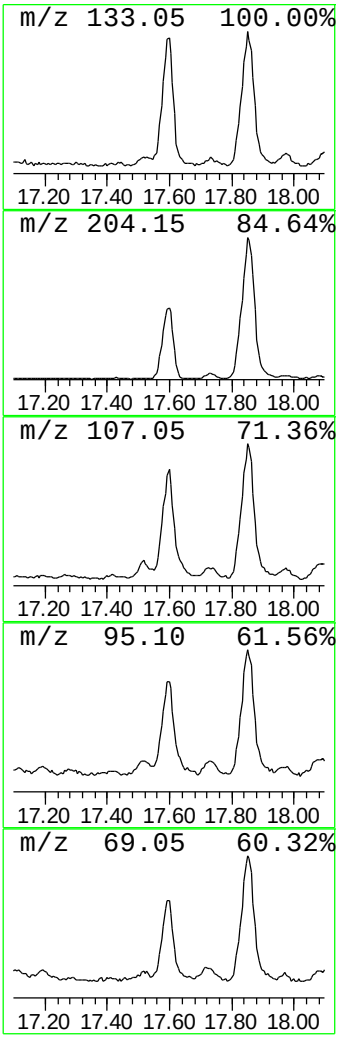
Peak Number 19 unknown17.60 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	95.94 ng	3540320	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Friedoolean-14-en-3-one	424	C30H48O	000514-07-8	43
2	1,4-Methano-1H-indene, octahydro...	204	C15H24	087064-18-4	41
3	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	38
4	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	38
5	1H-Cycloprop[e]azulene, 1a,2,3,4...	204	C15H24	000489-40-7	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116772.D
Acq On : 3 Sep 2019 15:11
Operator : HP/JU
Sample : K4618-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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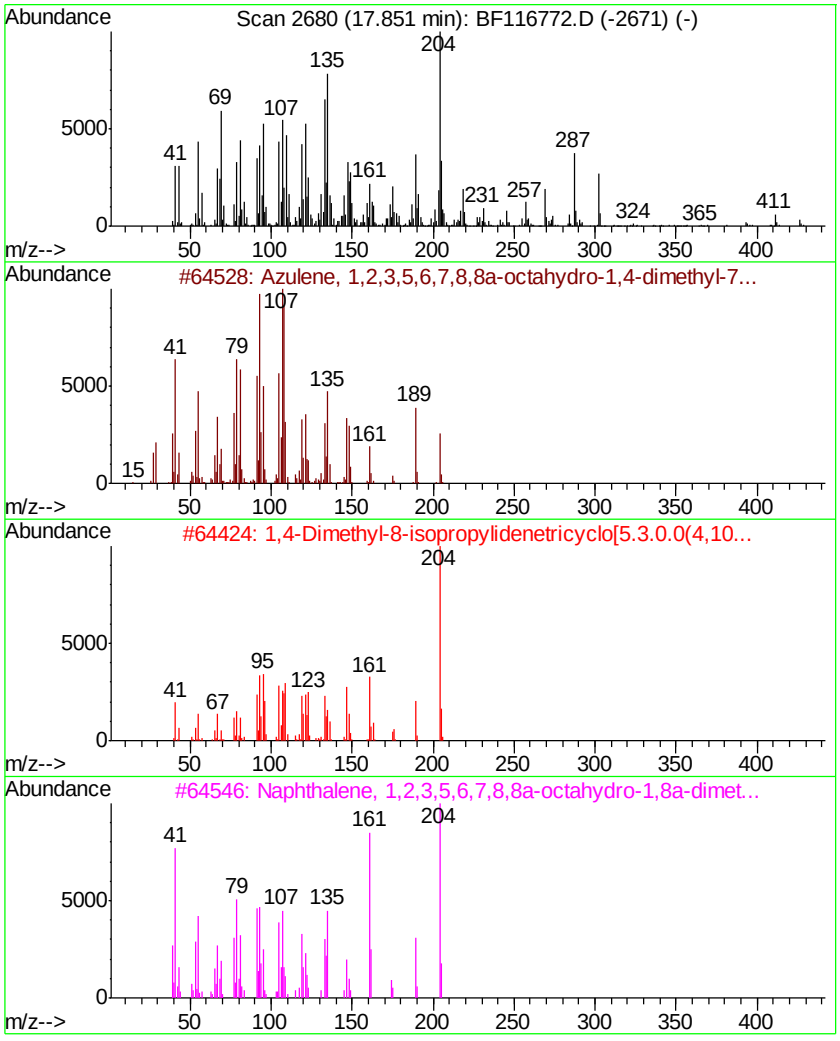
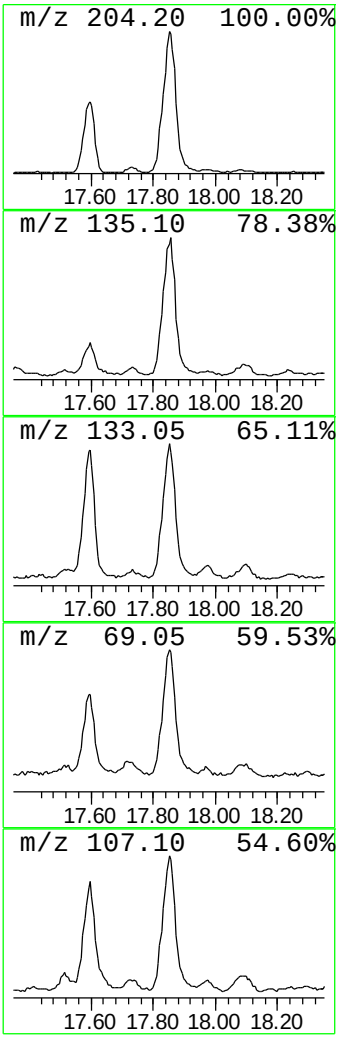
Peak Number 20 Azulene, 1,2,3,5,6,7,8,8a-o... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	142.13 ng	5244540	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 1,2,3,5,6,7,8,8a-octahv...	204	C15H24	003691-11-0	74
2	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	62
3	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	53
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090319\
Data File : BF116772.D
Acq On : 3 Sep 2019 15:11
Operator : HP/JU
Sample : K4618-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.62	6.62	88.8	ng	2718450	1	6.85	612453	20.0
Phenanthrene, 2-m...	11.89	17.2	ng	778397	4	11.36	905140	20.0
Phenanthrene, 3,6...	12.41	7.5	ng	338950	4	11.36	905140	20.0
unknown12.45	12.45	7.9	ng	356243	4	11.36	905140	20.0
Octadecanoic acid	12.67	7.7	ng	347521	4	11.36	905140	20.0
Tetradecanal	13.63	10.6	ng	1141070	5	14.00	2152060	20.0
1-Heneicosanol	13.84	14.3	ng	1541280	5	14.00	2152060	20.0
Triphenylene, 2-m...	14.39	16.9	ng	1817460	5	14.00	2152060	20.0
2-Methylchrysene	14.42	7.4	ng	799007	5	14.00	2152060	20.0
Octadecane	14.47	10.7	ng	1150350	5	14.00	2152060	20.0
Benz(a)anthracene...	14.77	27.8	ng	1025350	6	15.46	738011	20.0
Benzo[c]phenanthr...	14.80	17.2	ng	635344	6	15.46	738011	20.0
Octadecanal	14.92	12.9	ng	474942	6	15.46	738011	20.0
Eicosane	15.11	11.4	ng	418929	6	15.46	738011	20.0
Benzo[e]pyrene	15.34	34.4	ng	1267560	6	15.46	738011	20.0
Perylene, 3-methyl-	15.78	22.5	ng	831633	6	15.46	738011	20.0
10-Methylbenzo(a)...	15.82	23.6	ng	869787	6	15.46	738011	20.0
unknown17.60	17.60	95.9	ng	3540320	6	15.46	738011	20.0
Azulene, 1,2,3,5,...	17.85	142.1	ng	5244540	6	15.46	738011	20.0