LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116341.D
Acq On : 17 Aug 2019 2:06
Operator : HP/JU
Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

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-BF073019.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	2.128	3	7	24	rVB	1470263	1925049	58.63%	3.985%
2	5.451	568	572	596	rBV	2422261	2897934	88.27%	5.999%
3	6.457	739	743	762	rBV	2525855	3174006	96.67%	6.570%
4	6.593	762	766	785	rVB	3289080	3058629	93.16%	6.331%
5	6.816	801	804	816	rBV	982704	873879	26.62%	1.809%
6	6.975	827	831	849	rBV	2462828	2483557	75.64%	5.141%
7	7.381	896	900	923	rBV	1933236	1996298	60.80%	4.132%
8	8.098	1018	1022	1043	rBV	1044246	1096683	33.40%	2.270%
9	9.169	1200	1204	1207	rBV	3618217	3283183	100.00%	6.796%
10	9.563	1269	1271	1280	rVB	212164	205065	6.25%	0.424%
11	9.845	1315	1319	1323	rBV	1288631	1195092	36.40%	2.474%
12	9.881	1323	1325	1335	rVB	241164	212210	6.46%	0.439%
13	10.063	1349	1356	1359	rBV2	55747	60777	1.85%	0.126%
14	10.398	1410	1413	1419	rBV	152240	144729	4.41%	0.300%
15	10.463	1419	1424	1426	rBV	32021	40651	1.24%	0.084%
16	10.557	1438	1440	1445	rVB	48131	42025	1.28%	0.087%
17	10.639	1450	1454	1469	rBV	1803253	1856407	56.54%	3.843%
18	10.945	1500	1506	1509	rBV2	48607	66530	2.03%	0.138%
19	11.075	1523	1528	1529	rBV2	33526	47306	1.44%	0.098%
20	11.192	1544	1548	1551	rVV2	62206	69331	2.11%	0.144%
21	11.233	1552	1555	1560	rVB	104803	96469	2.94%	0.200%
22	11.333	1569	1572	1574	rBV	1278504	1098887	33.47%	2.275%
23	11.357	1574	1576	1581	rVV	1811255	1581782	48.18%	3.274%
24	11.410	1581	1585	1591	rVB	469611	505145	15.39%	1.046%
25	11.575	1608	1613	1618	rBV2	133761	165002	5.03%	0.342%
26	11.622	1618	1621	1624	rVB3	45092	53154	1.62%	0.110%
27	11.669	1624	1629	1631	rBV4	26132	38395	1.17%	0.079%
28	11.839	1654	1658	1660	rBV	200264	200667	6.11%	0.415%
29	11.869	1660	1663	1668	rVV	274405	304856	9.29%	0.631%
30	11.916	1668	1671	1673	rVV	134314	117225	3.57%	0.243%
31	11.951	1673	1677	1679	rVV	341085	373954	11.39%	0.774%
32	11.975	1679	1681	1686	rVB	137144	128071	3.90%	0.265%
33	12.022	1686	1689	1692	rBV2	50606	46356	1.41%	0.096%
34	12.127	1704	1707	1712	rBV	158606	147561	4.49%	0.305%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.175	1712	1715	1718	rBV2	66206	57091	1.74%	0.118%
36	12.280	1728	1733	1736	rBV	75152	75303	2.29%	0.156%
37	12.310	1736	1738	1741	rVV	68539	62093	1.89%	0.129%
38	12.339	1741	1743	1747	rVB	53630	43710	1.33%	0.090%
39	12.386	1747	1751	1753	rBV	169269	161316	4.91%	0.334%
40	12.410	1753	1755	1756	rVV	82438	69978	2.13%	0.145%
41	12.469	1763	1765	1766	rBV	53732	44049	1.34%	0.091%
42	12.486	1766	1768	1770	rVB	54780	45674	1.39%	0.095%
43	12.551	1775	1779	1783	rBV	2283843	2009393	61.20%	4.159%
44	12.616	1788	1790	1794	rVB2	48607	46720	1.42%	0.097%
45	12.704	1801	1805	1807	rBV	107902	110410	3.36%	0.229%
46	12.780	1811	1818	1824	rVV	1741075	2113422	64.37%	4.375%
47	12.833	1824	1827	1831	rVB2	127106	136662	4.16%	0.283%
48	12.916	1836	1841	1844	rVV	2737224	2663431	81.12%	5.513%
49	12.945	1844	1846	1851	rVB	63114	77195	2.35%	0.160%
50	13.004	1851	1856	1859	rBV2	117894	205549	6.26%	0.425%
51	13.080	1866	1869	1870	rBV2	79375	74700	2.28%	0.155%
52	13.104	1871	1873	1876	rVV	255441	246686	7.51%	0.511%
53	13.174	1881	1885	1887	rBV	190417	162098	4.94%	0.336%
54	13.210	1887	1891	1896	rBV3	163663	247253	7.53%	0.512%
55	13.304	1904	1907	1910	rBV	111610	113561	3.46%	0.235%
56	13.333	1910	1912	1916	rVV2	97961	110388	3.36%	0.228%
57	13.474	1933	1936	1939	rBV3	74518	75793	2.31%	0.157%
58	13.527	1943	1945	1948	rVB	43427	39921	1.22%	0.083%
59	13.592	1953	1956	1958	rBV2	42416	44026	1.34%	0.091%
60	13.627	1958	1962	1965	rVV	99799	107768	3.28%	0.223%
61	13.727	1974	1979	1981	rBV3	182641	244621	7.45%	0.506%
62	13.751	1981	1983	1986	rVV	179956	187920	5.72%	0.389%
63	13.798	1986	1991	1995	rVV3	318496	583161	17.76%	1.207%
64	13.833	1995	1997	2003	rVV2	183430	239272	7.29%	0.495%
65	13.898	2003	2008	2013	rVV	60753	108302	3.30%	0.224%
66	13.969	2013	2020	2024	rVV2	1141003	1898566	57.83%	3.930%
67	14.004	2024	2026	2033	rVV	805269	707061	21.54%	1.464%
68	14.063	2033	2036	2037	rVV2	39994	37104	1.13%	0.077%
69	14.080	2037	2039	2043	rVB	168184	157169	4.79%	0.325%
70	14.116	2043	2045	2048	rBV2	72907	77665	2.37%	0.161%
71	14.145	2048	2050	2053	rVV2	50460	53132	1.62%	0.110%

LSC Area Percent Report

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Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

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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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.210	2057	2061	2064	rVB2	68850	101376	3.09%	0.210%
73	14.363	2083	2087	2091	rBV	152702	182208	5.55%	0.377%
74	14.398	2091	2093	2095	rBV	59835	47061	1.43%	0.097%
75	14.421	2095	2097	2099	rVV	68829	66706	2.03%	0.138%
76	14.463	2102	2104	2107	rVB2	44659	40423	1.23%	0.084%
77	14.492	2107	2109	2110	rBV	53817	42847	1.31%	0.089%
78	14.510	2110	2112	2115	rVB	76817	71538	2.18%	0.148%
79	14.692	2140	2143	2145	rBV2	79310	96056	2.93%	0.199%
80	14.721	2145	2148	2151	rVB2	82583	98610	3.00%	0.204%
81	14.792	2156	2160	2163	rVB2	66727	94253	2.87%	0.195%
82	14.863	2168	2172	2175	rBV2	74457	92958	2.83%	0.192%
83	14.921	2178	2182	2185	rBV5	33342	58742	1.79%	0.122%
84	15.015	2193	2198	2201	rBV	610222	910697	27.74%	1.885%
85	15.121	2213	2216	2222	rVB	99981	110986	3.38%	0.230%
86	15.221	2227	2233	2236	rBV4	60192	133436	4.06%	0.276%
87	15.310	2244	2248	2255	rVB	312776	389403	11.86%	0.806%
88	15.374	2255	2259	2263	rVV	490513	583887	17.78%	1.209%
89	15.433	2263	2269	2273	rVV	639642	893451	27.21%	1.849%
90	15.468	2273	2275	2283	rVB2	124731	172561	5.26%	0.357%
91	15.610	2296	2299	2302	rBV2	31463	42895	1.31%	0.089%
92	15.833	2333	2337	2341	rBV	44613	57052	1.74%	0.118%
93	15.998	2362	2365	2370	rVB2	29308	43236	1.32%	0.089%
94	16.321	2416	2420	2430	rVB4	42797	101641	3.10%	0.210%
95	16.698	2480	2484	2488	rBV2	23397	38113	1.16%	0.079%
96	16.904	2511	2519	2528	rBV	176279	368293	11.22%	0.762%
97	17.068	2543	2547	2553	rBV	37430	66825	2.04%	0.138%
98	17.133	2554	2558	2565	rVB2	26967	50555	1.54%	0.105%
99	17.345	2588	2594	2603	rBV	116255	248680	7.57%	0.515%
100	17.609	2634	2639	2650	rVB	29624	80506	2.45%	0.167%

Sum of corrected areas: 48310023

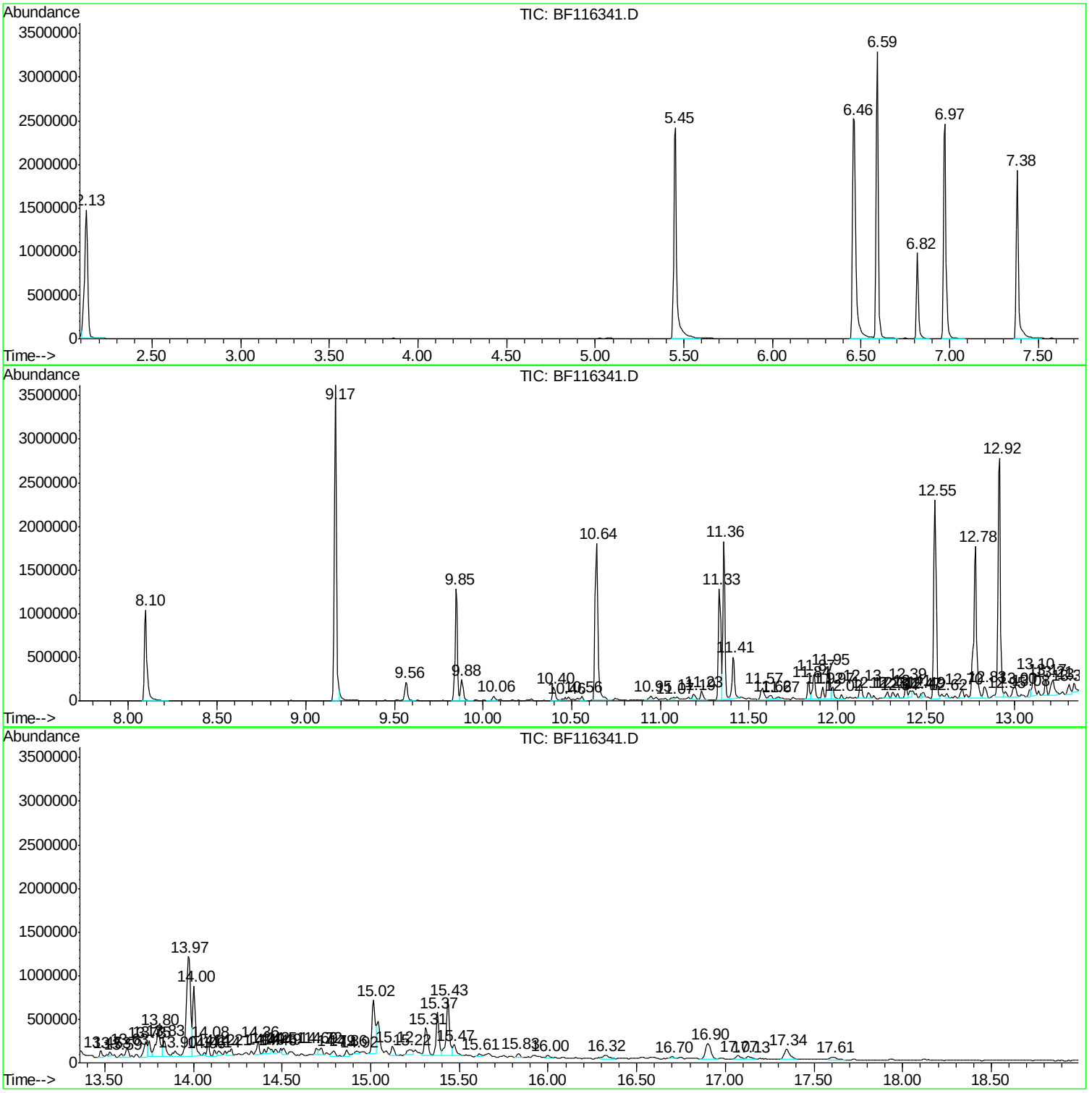
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116341.D
Acq On : 17 Aug 2019 2:06
Operator : HP/JU
Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF081619\
Data File : BF116341.D
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Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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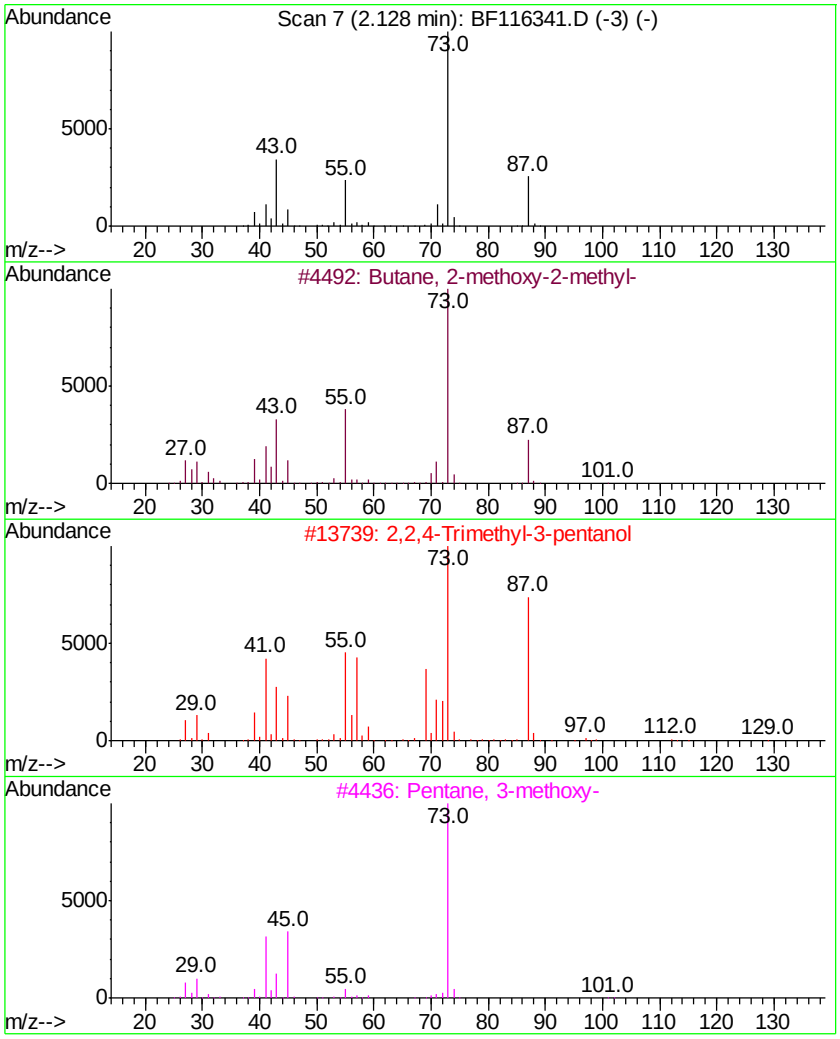
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

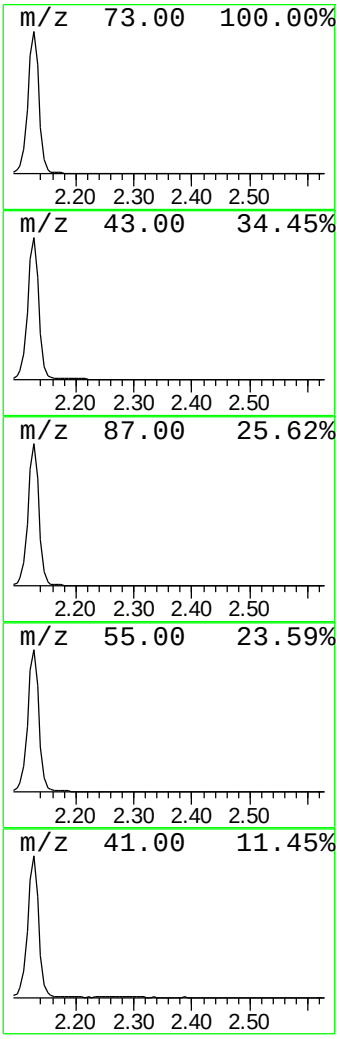
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	44.06 ng	1925050	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
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Misc :
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Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

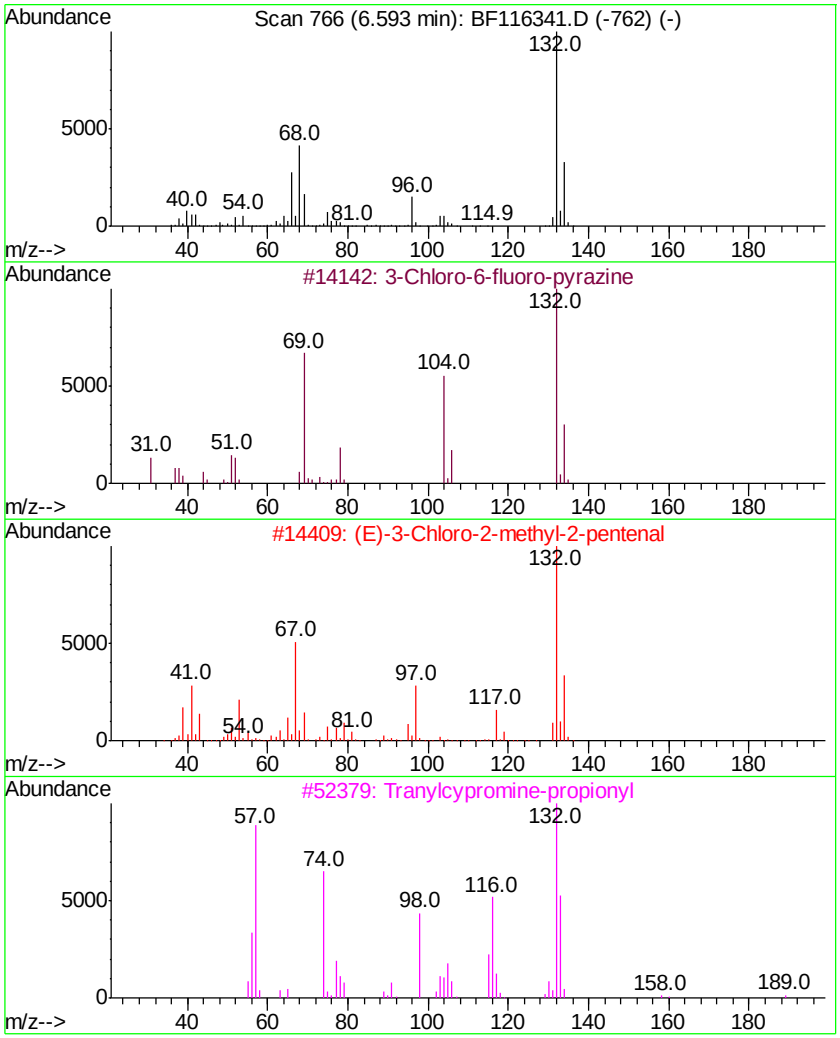
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

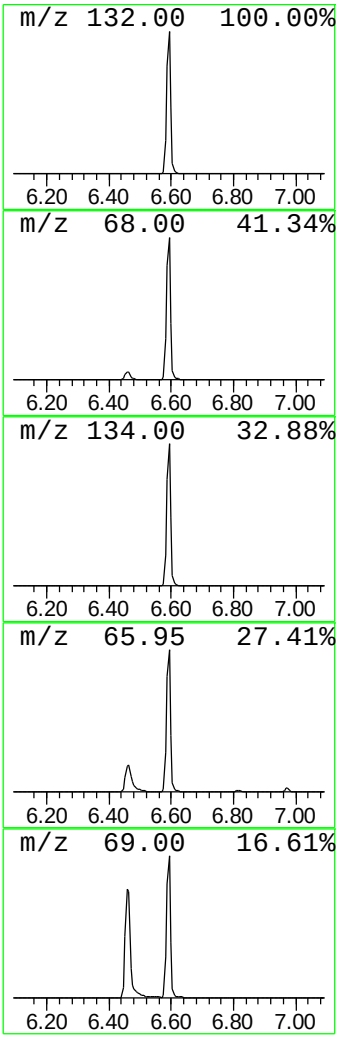
****

Peak Number 2 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	70.00 ng	3058630	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
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	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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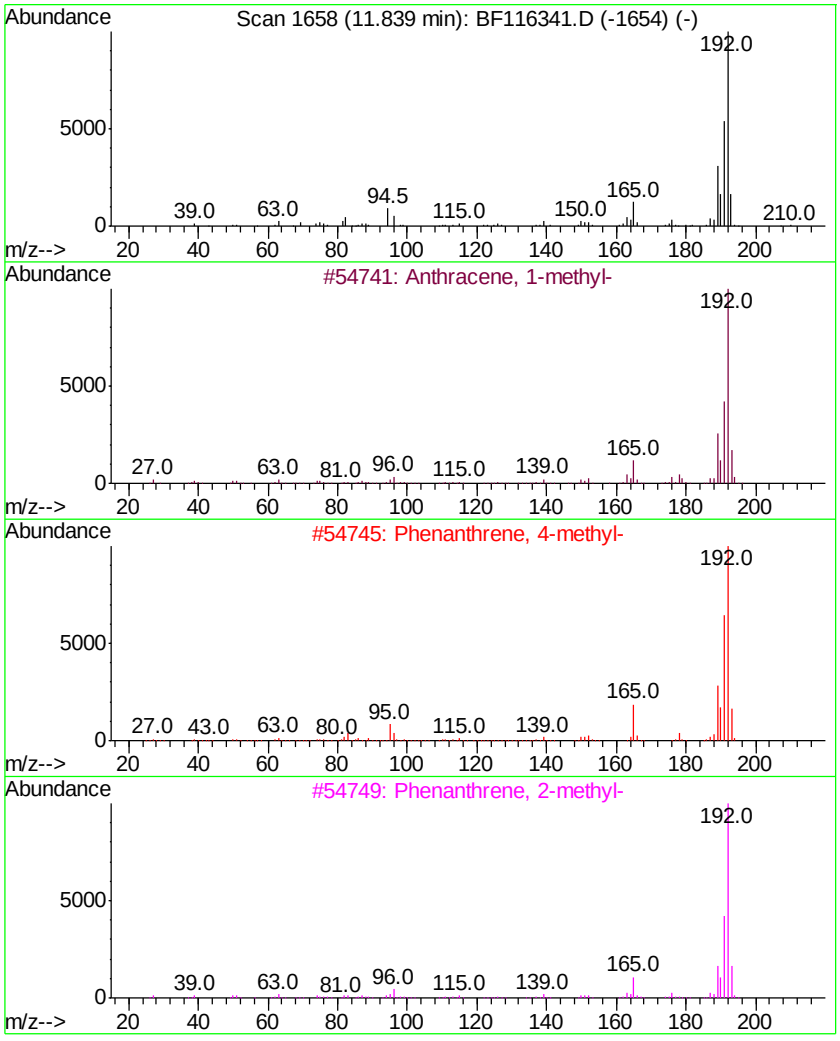
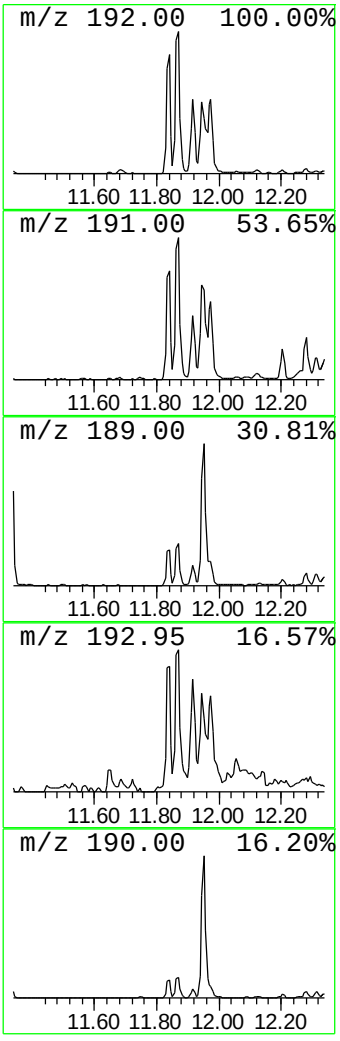
Peak Number 4 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	3.65 ng	200667	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Library Search Compound Report

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Data File : BF116341.D
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Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

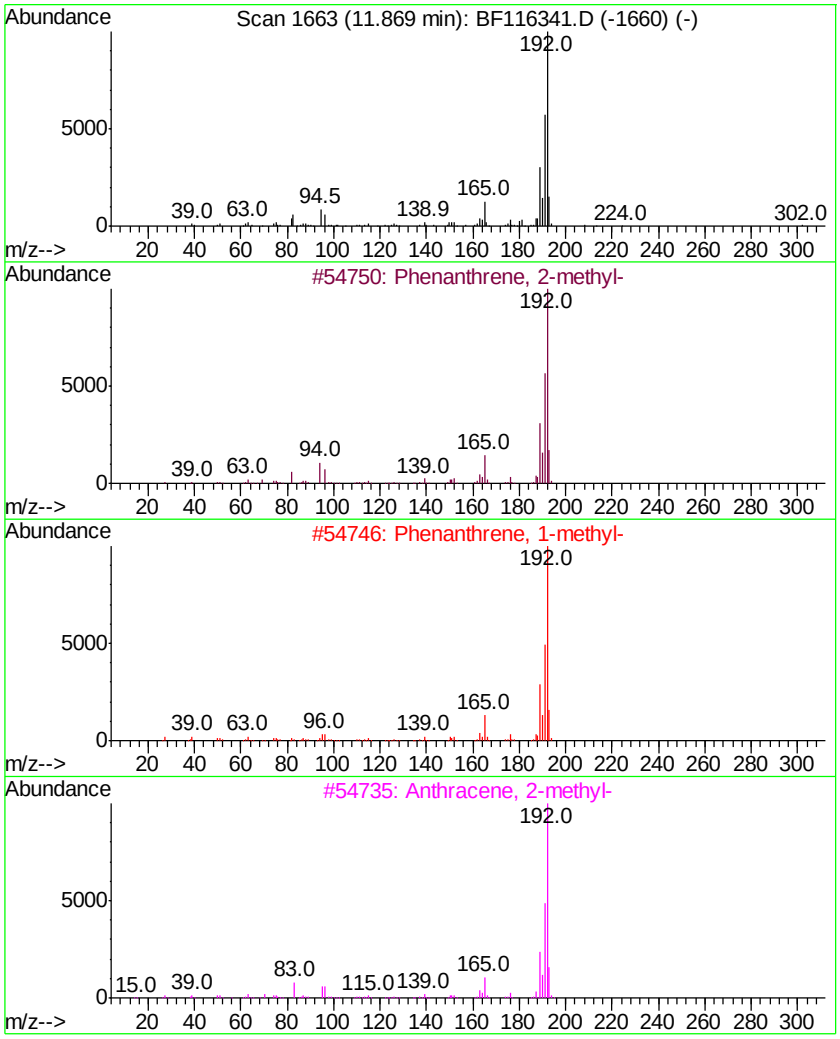
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

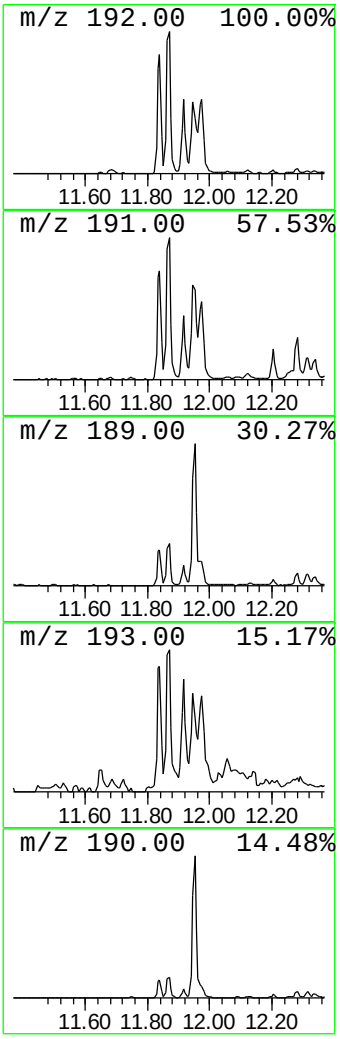
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	5.55 ng	304856	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

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Data File : BF116341.D
Acq On : 17 Aug 2019 2:06
Operator : HP/JU
Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

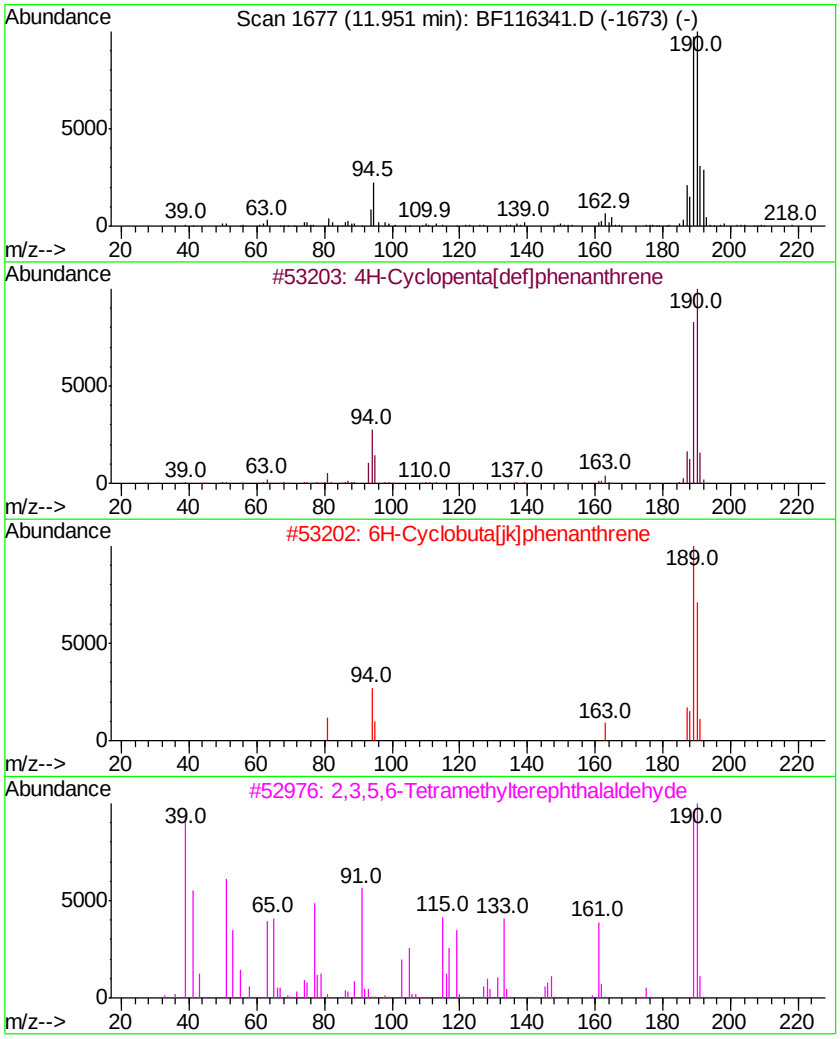
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

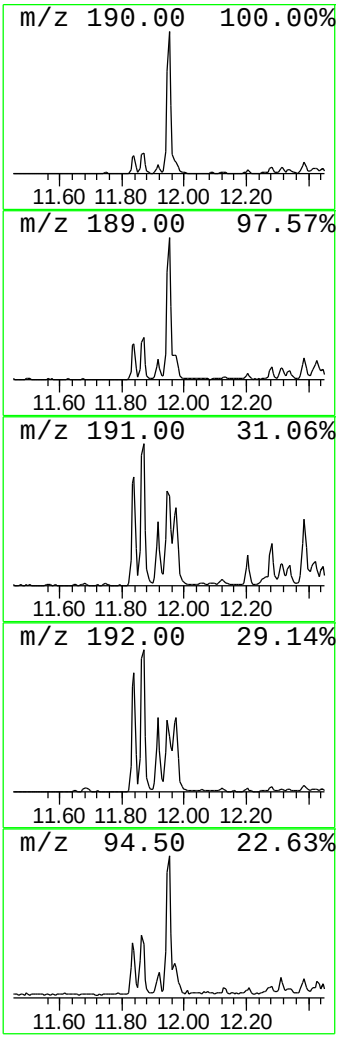
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	6.81 ng	373954	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





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Operator : HP/JU
Sample : K4228-07
Misc :
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Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(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

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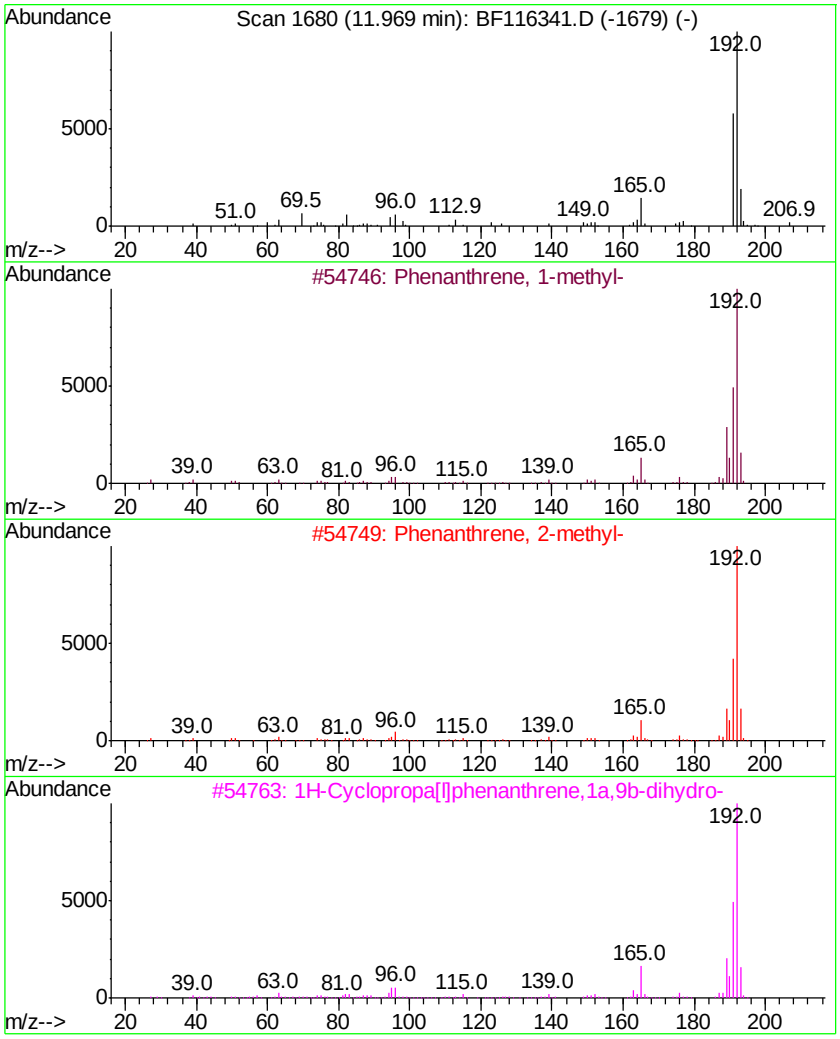
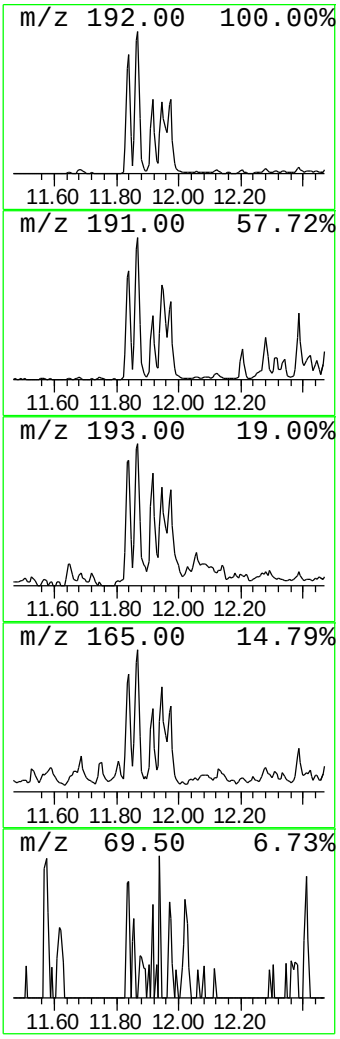
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.33 ng	128071	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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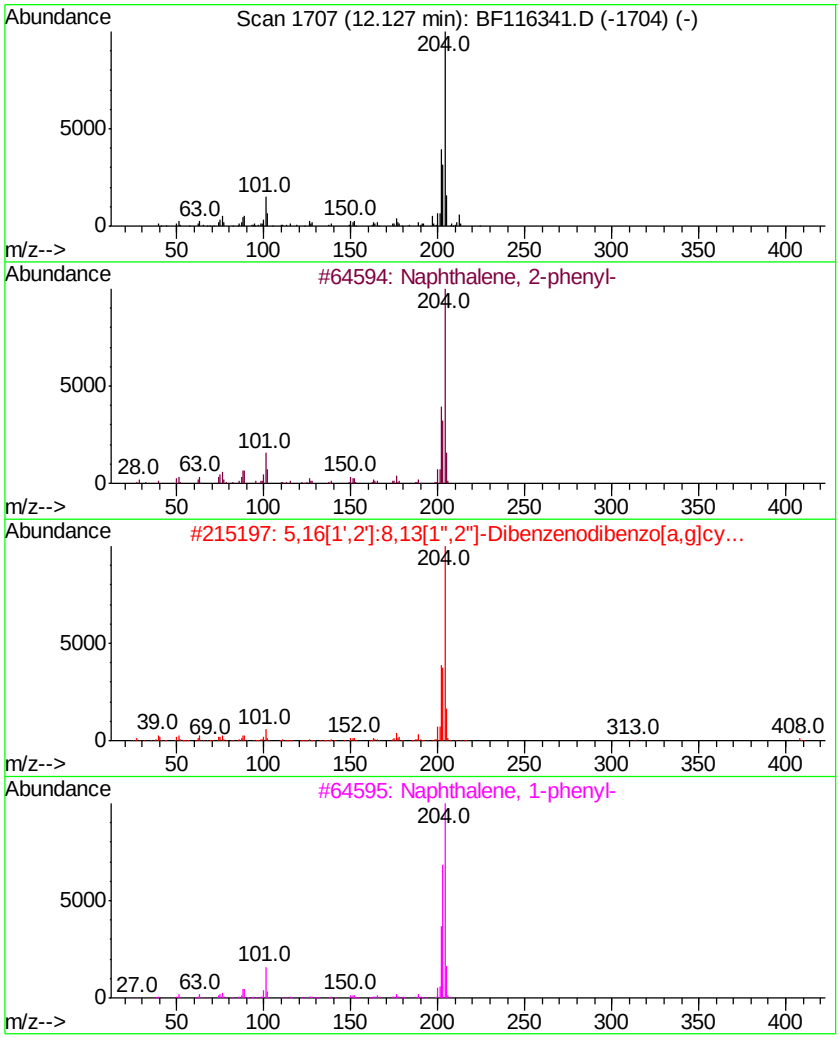
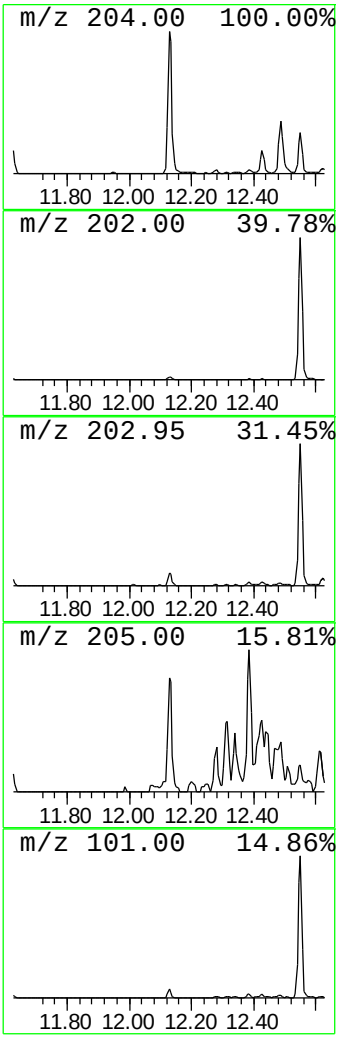
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.69 ng	147561	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	97
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	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Levamisole	204	C11H12N2S	014769-73-4	50





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ClientSampleId : 2S-F1-F4-COMP-(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

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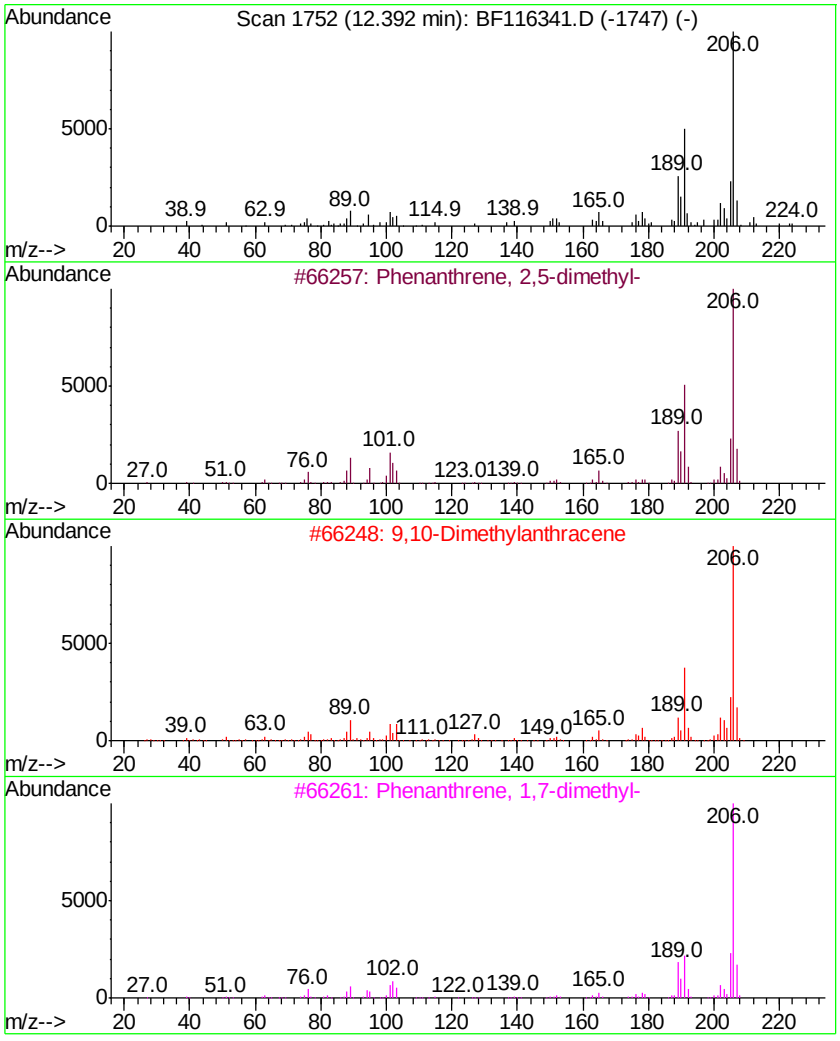
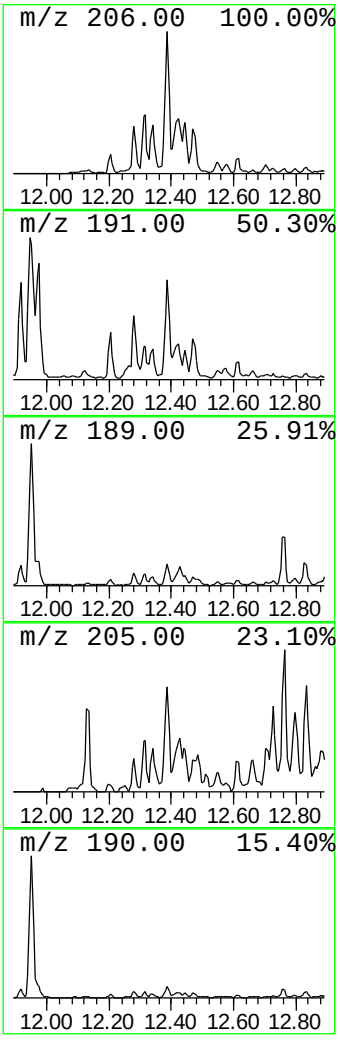
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.94 ng	161316	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86





Library Search Compound Report

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ClientSampleId : 2S-F1-F4-COMP-(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

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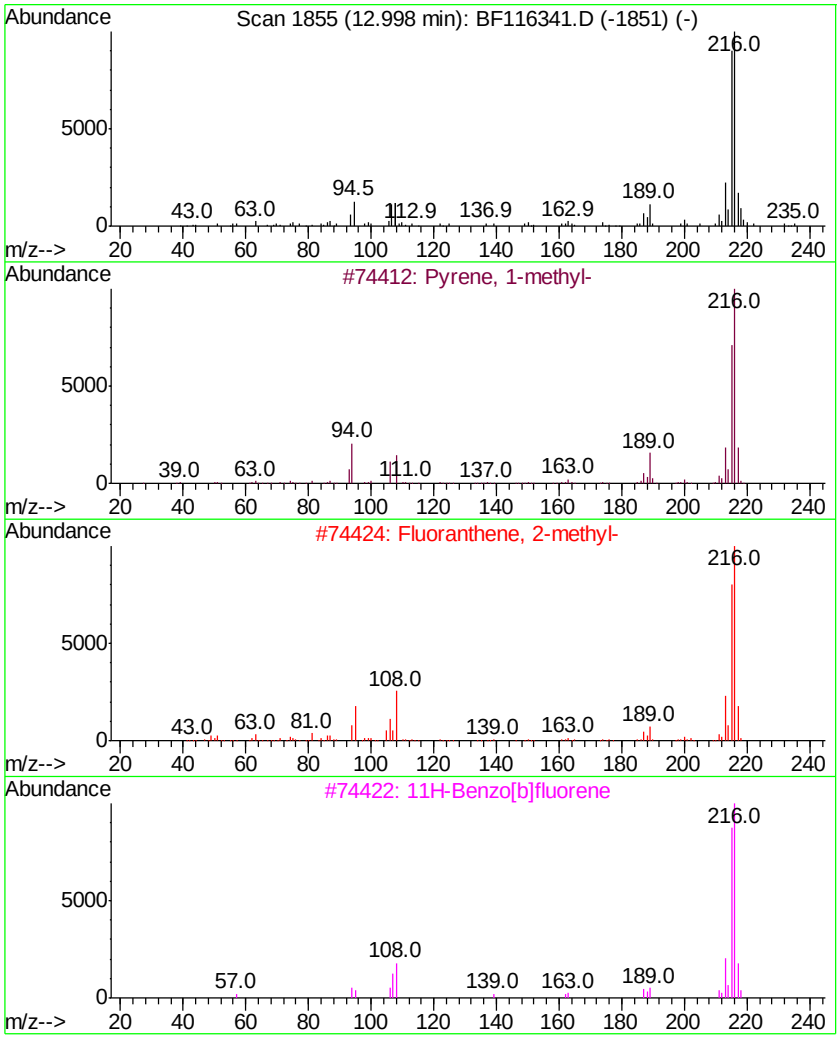
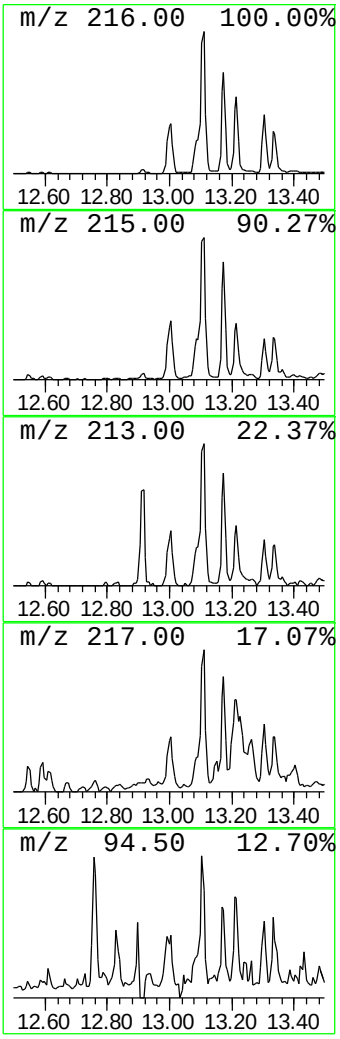
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.17 ng	205549	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(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

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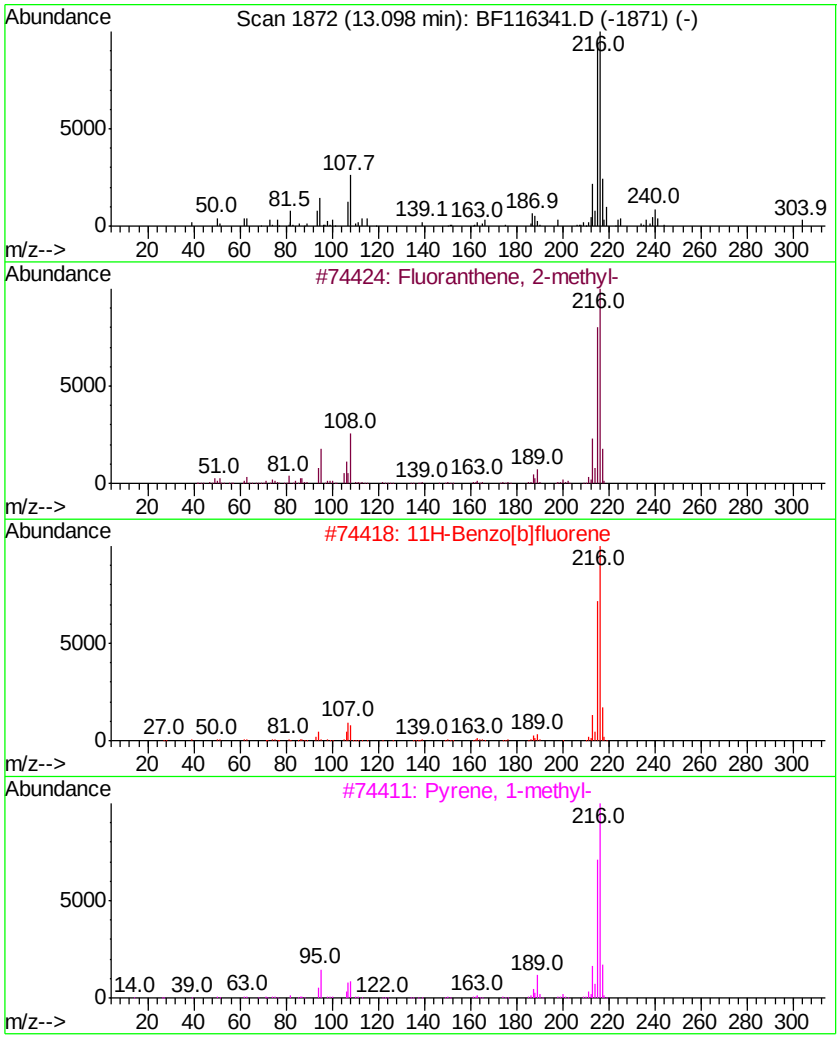
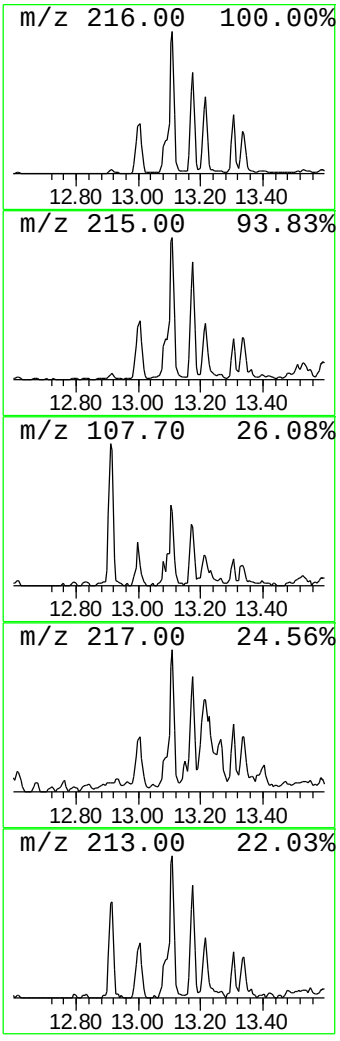
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.60 ng	246686	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(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

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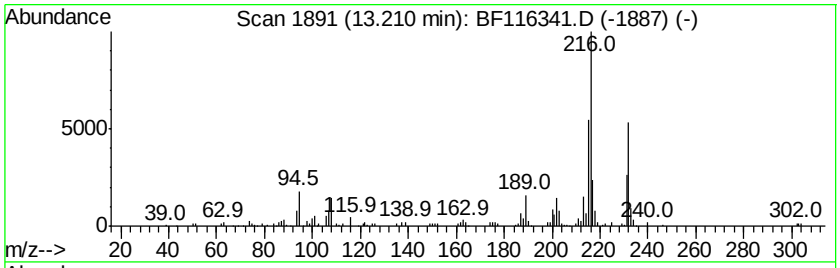
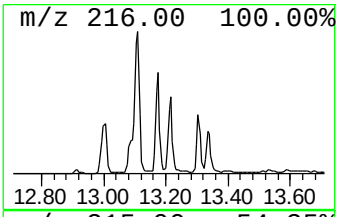
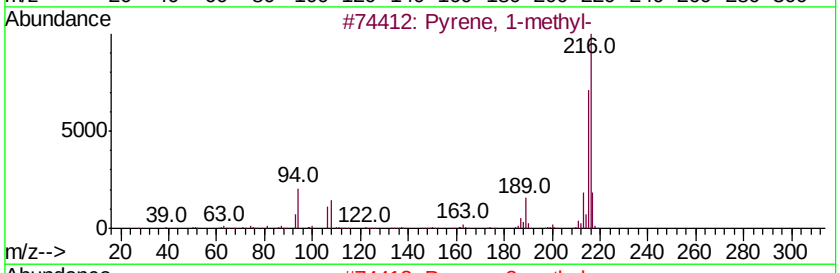
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 12

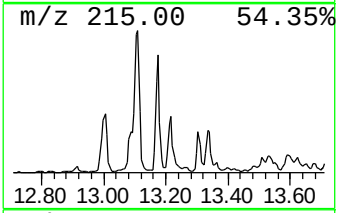
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	2.60 ng	247253	Chrysene-d12	13.97

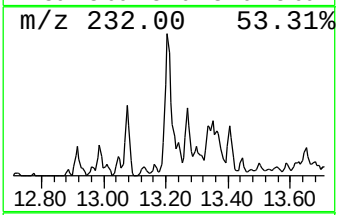
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	55

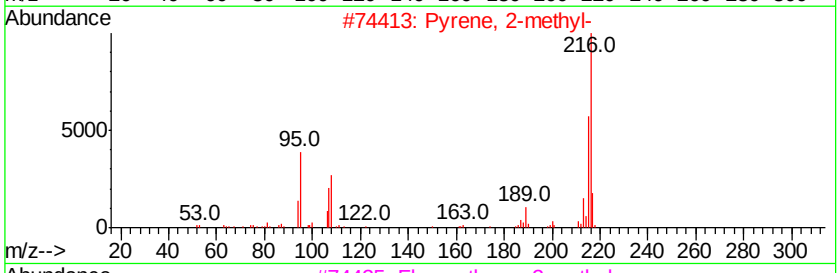


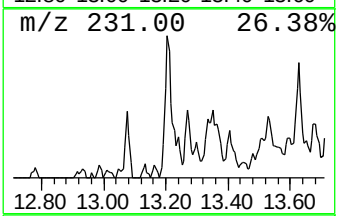


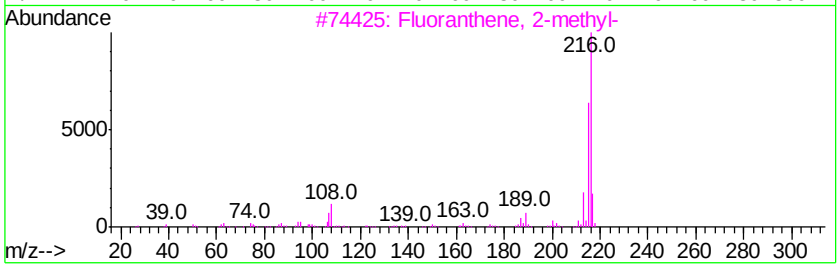


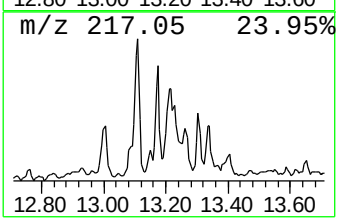












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Operator : HP/JU
Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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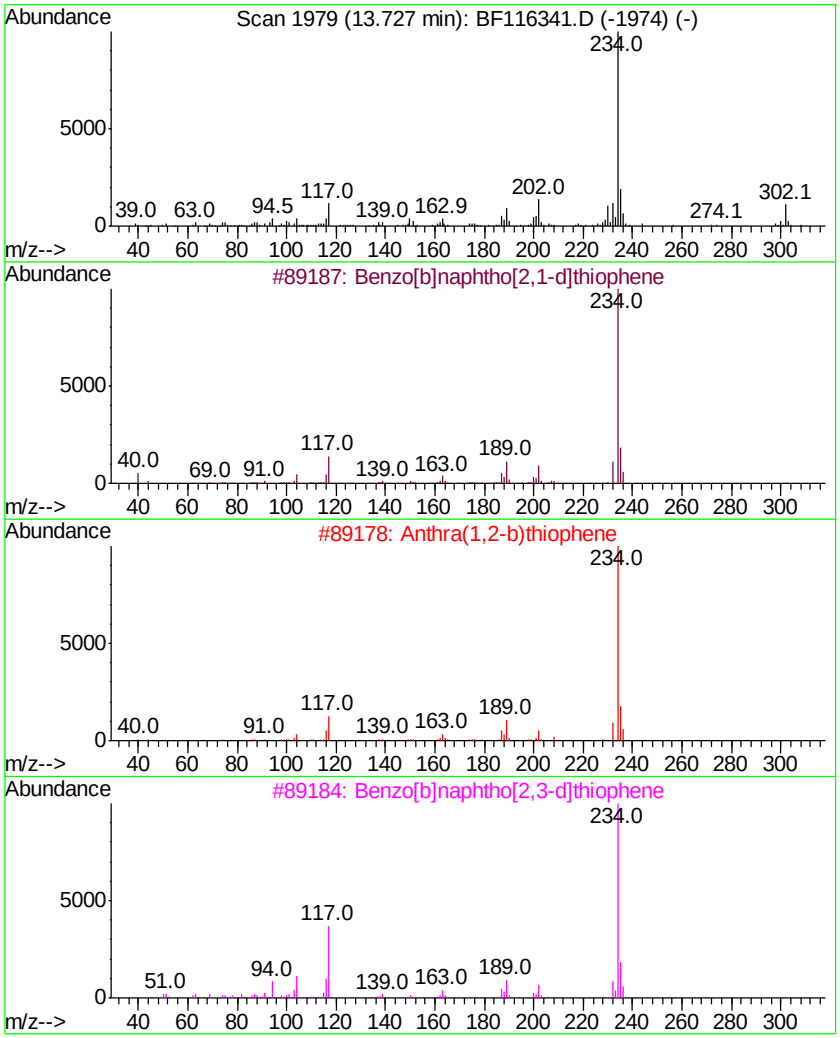
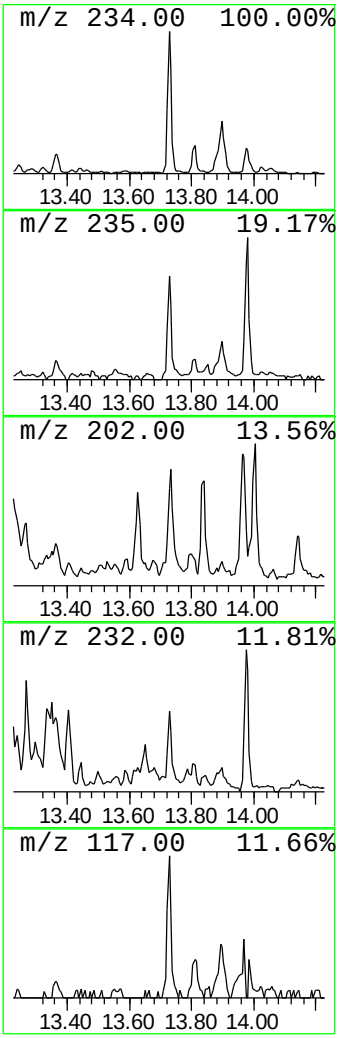
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	2.58 ng	244621	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	76
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	64





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Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(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

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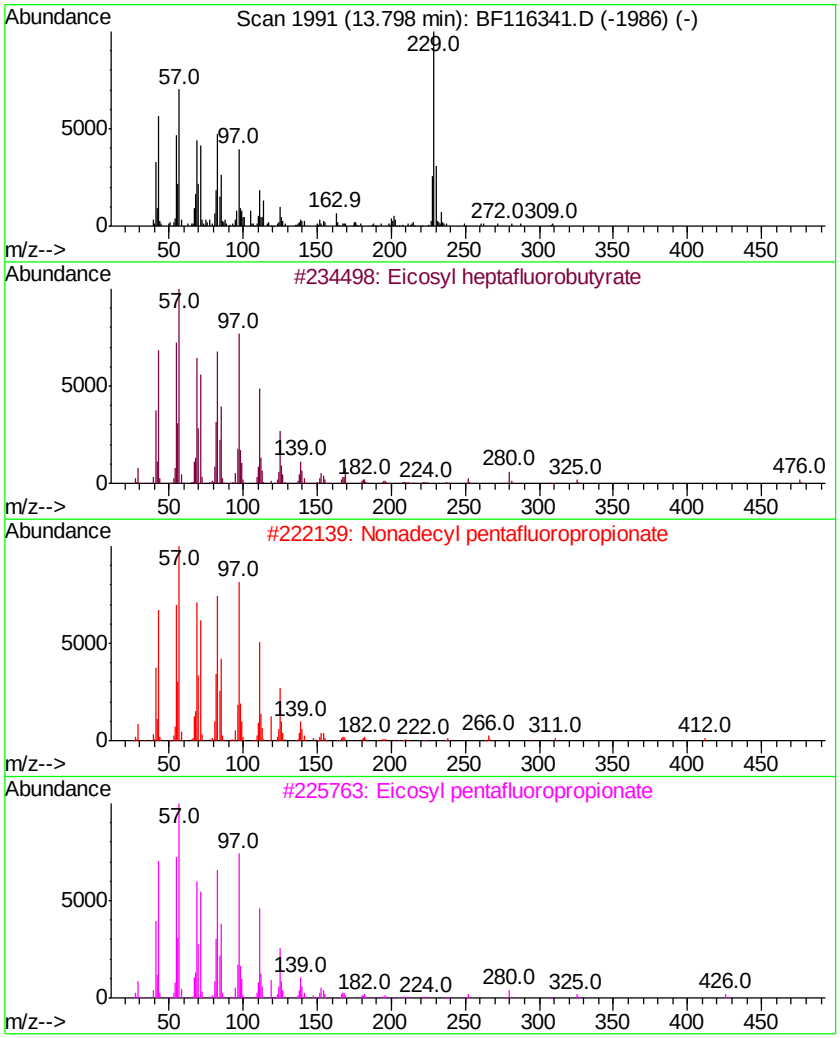
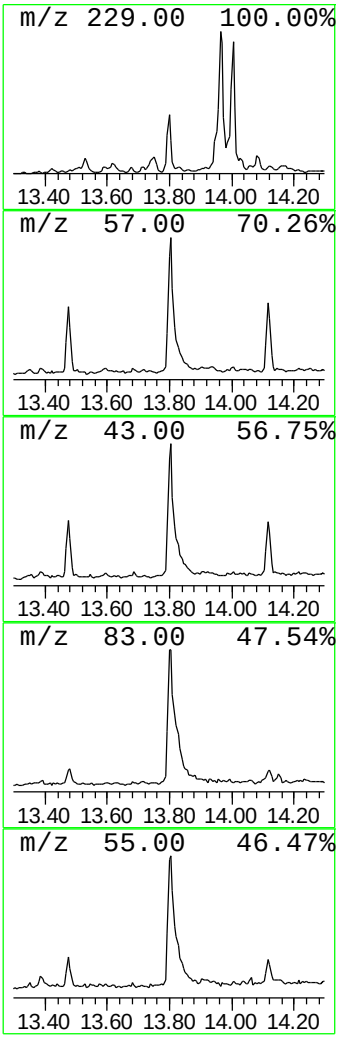
Peak Number 14 Eicosyl heptafluorobutyrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	6.14 ng	583161	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosyl heptafluorobutyrate	494	C24H41F7O2	1000351-83-5	50
2	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	50
3	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	45
4	Benz[c]acridine	229	C17H11N	000225-51-4	42
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	42





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Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(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

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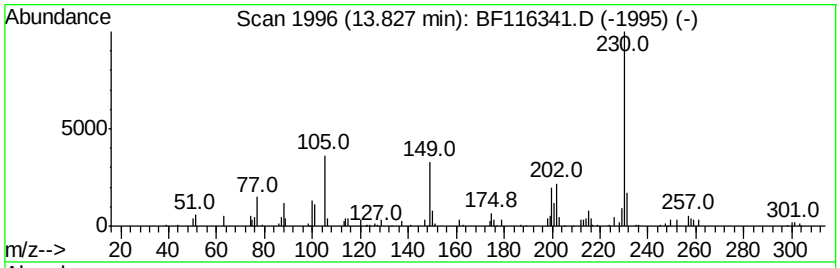
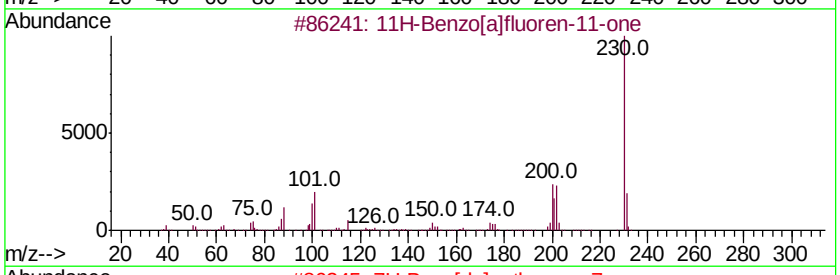
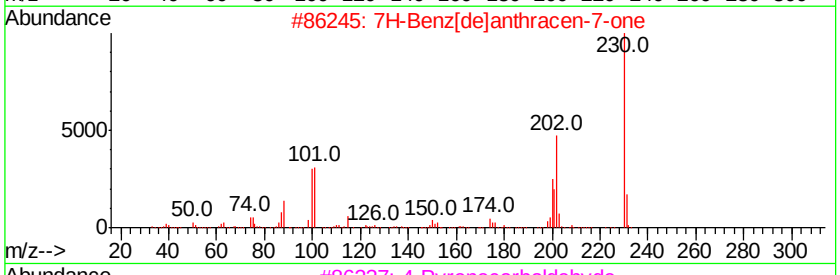
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 15

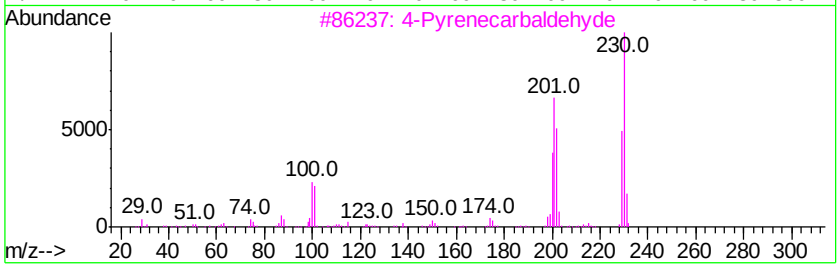
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.52 ng	239272	Chrysene-d12	13.97

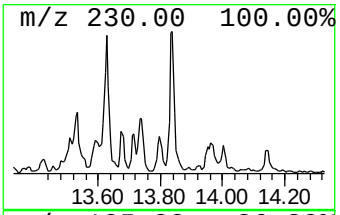
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
4	6,6-Diphenylfulvene	230	C18H14	002175-90-8	64
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	59

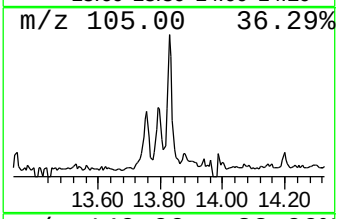


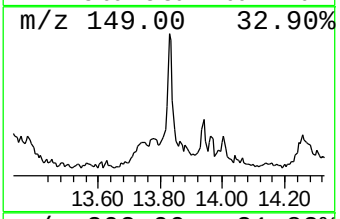


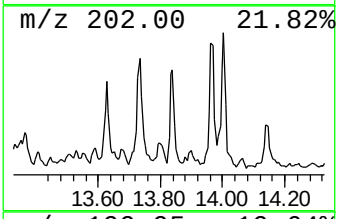


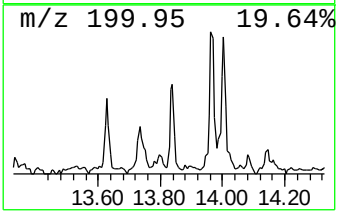












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116341.D
Acq On : 17 Aug 2019 2:06
Operator : HP/JU
Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

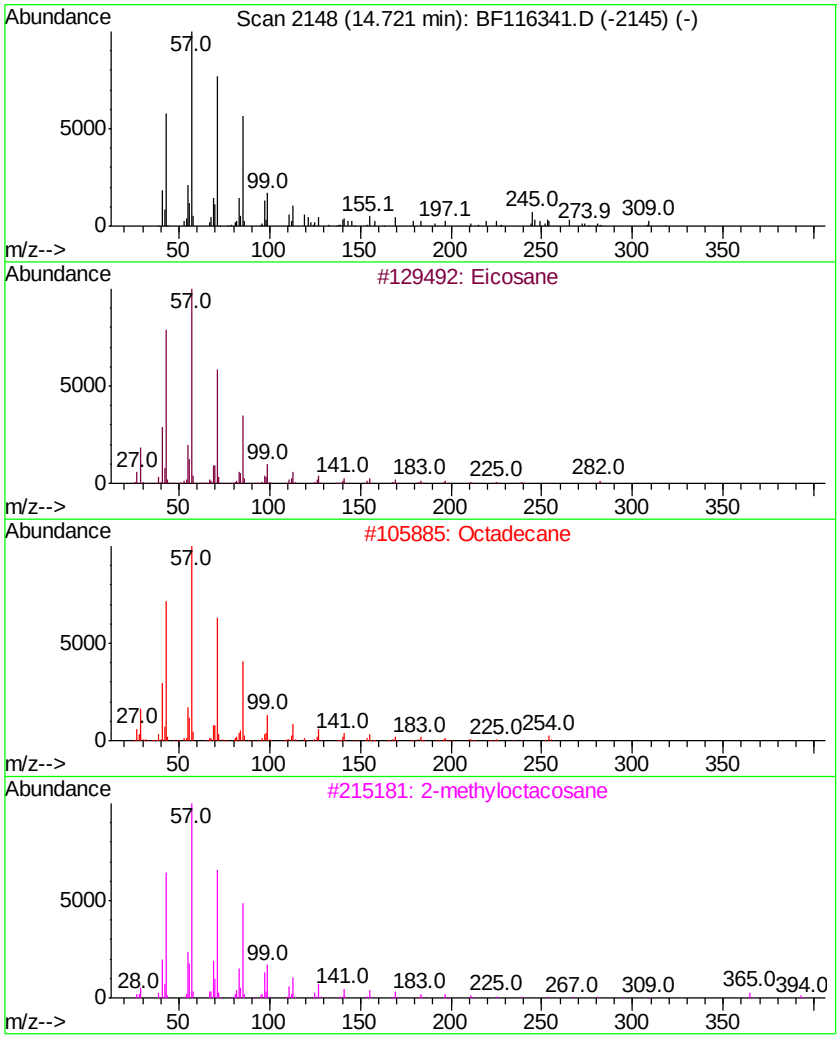
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

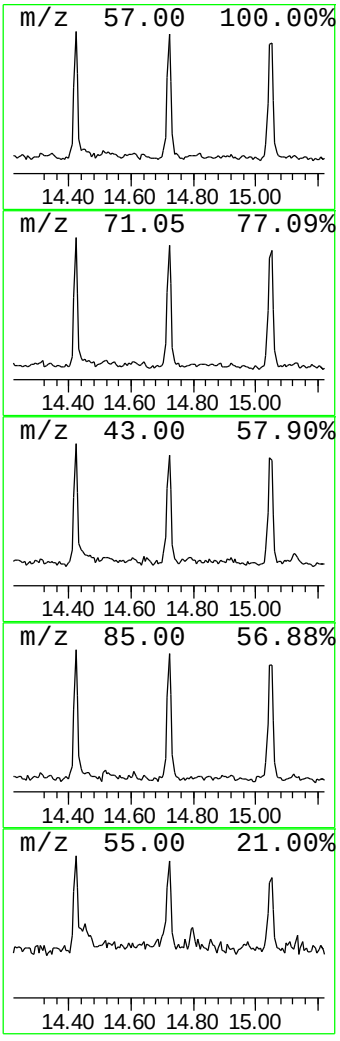
****

Peak Number 16 Eicosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	2.21 ng	98610	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Octadecane	254	C18H38	000593-45-3	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	87
4	Tetratetracontane	619	C44H90	007098-22-8	81
5	Heptacosane	380	C27H56	000593-49-7	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116341.D
Acq On : 17 Aug 2019 2:06
Operator : HP/JU
Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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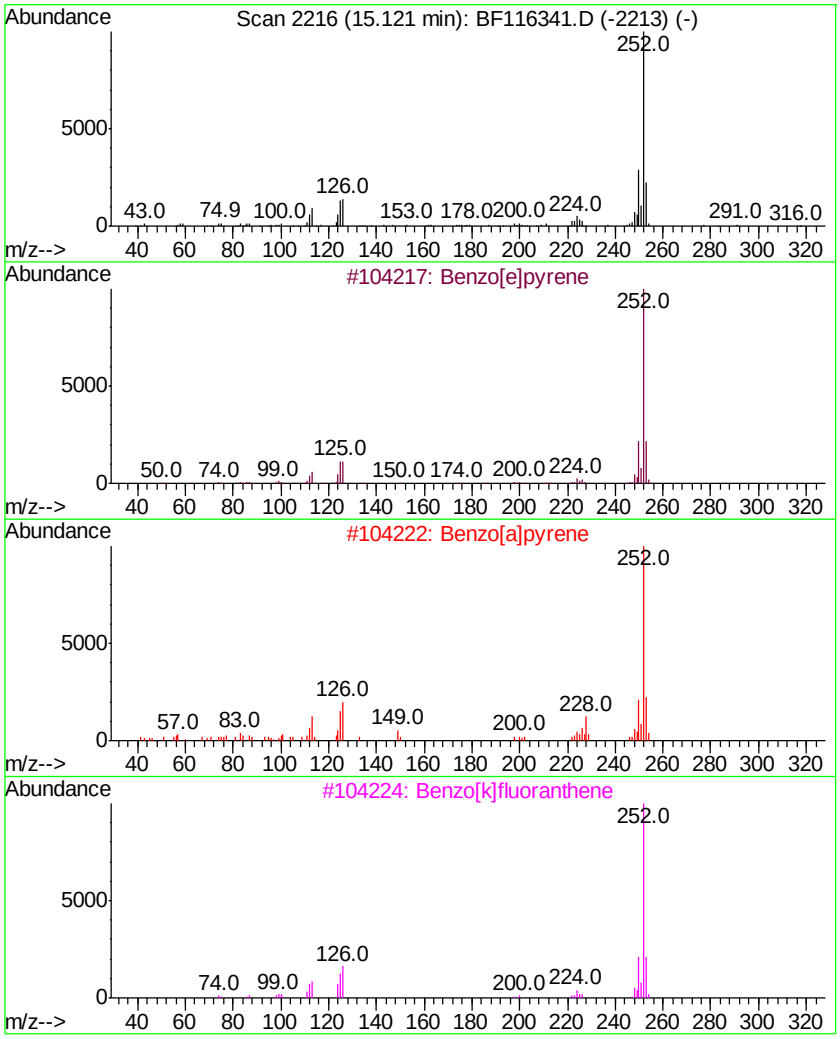
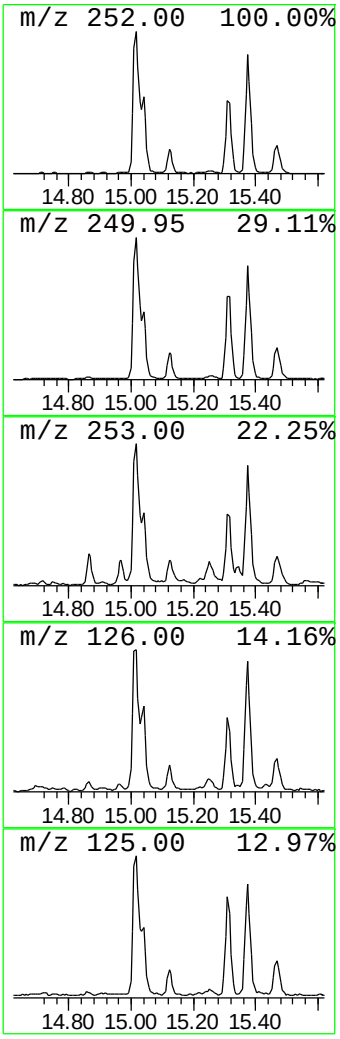
Peak Number 17 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	2.48 ng	110986	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116341.D
Acq On : 17 Aug 2019 2:06
Operator : HP/JU
Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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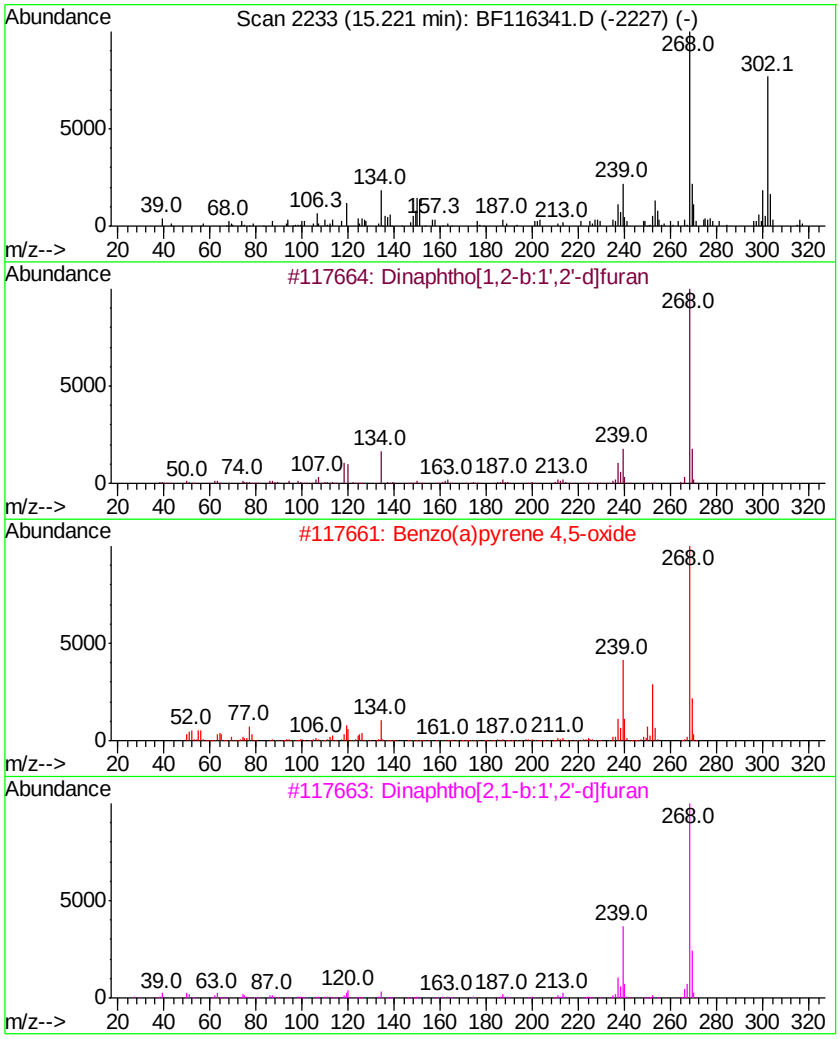
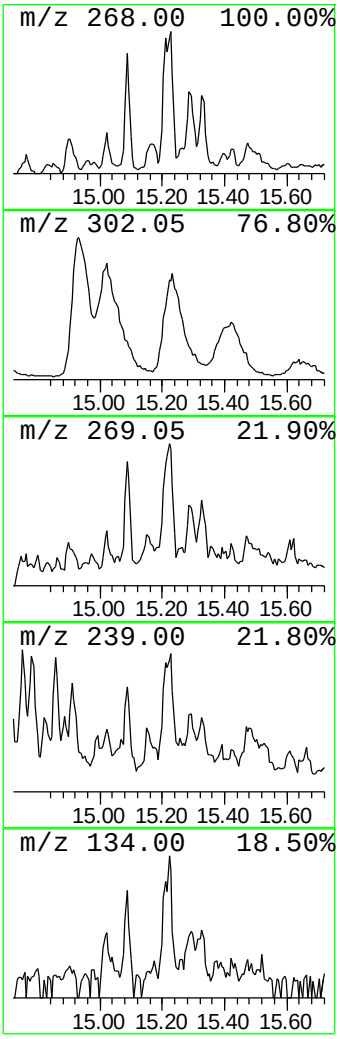
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	2.99 ng	133436	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	50
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	46
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	43
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	42
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116341.D
Acq On : 17 Aug 2019 2:06
Operator : HP/JU
Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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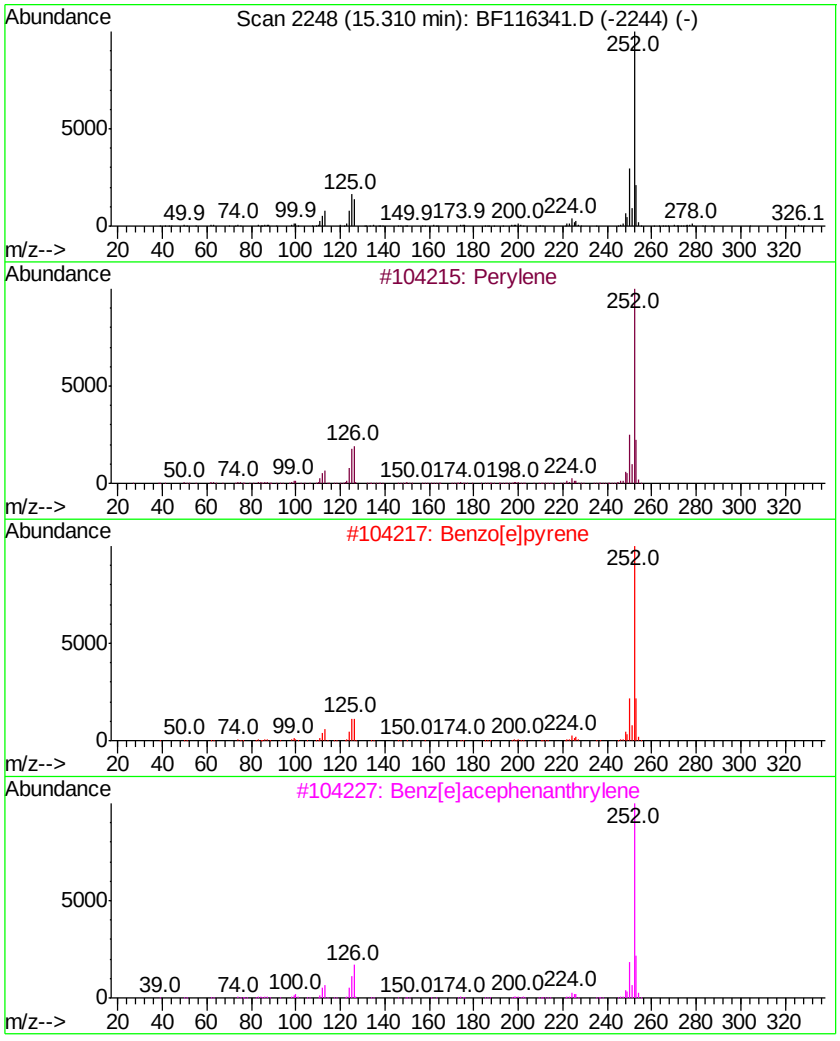
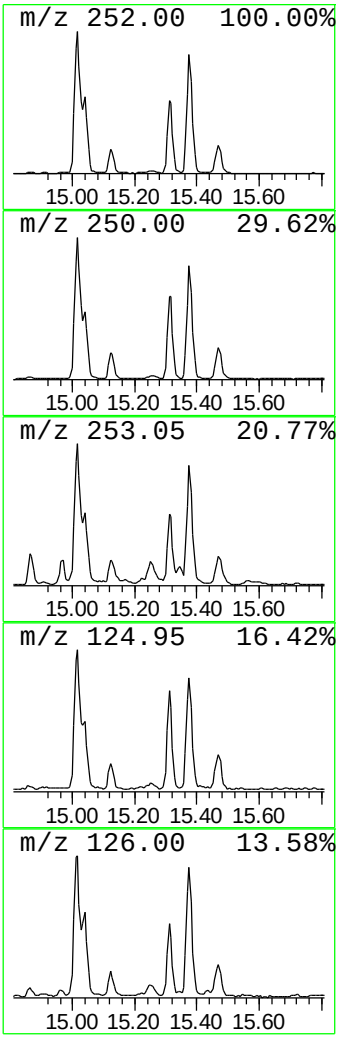
Peak Number 19 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	8.72 ng	389403	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116341.D
Acq On : 17 Aug 2019 2:06
Operator : HP/JU
Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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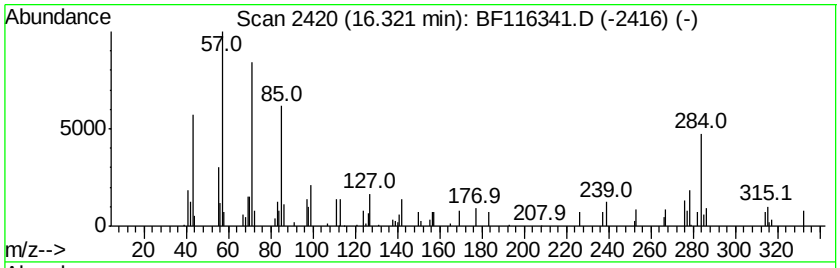
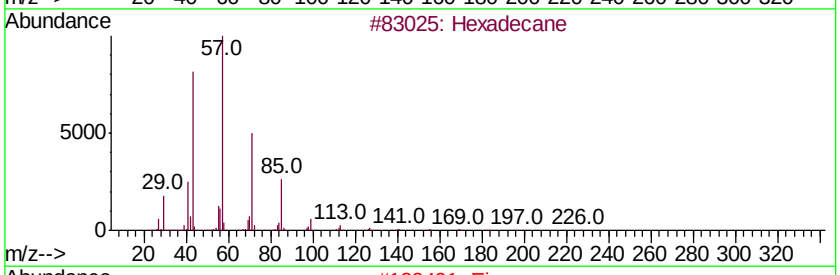
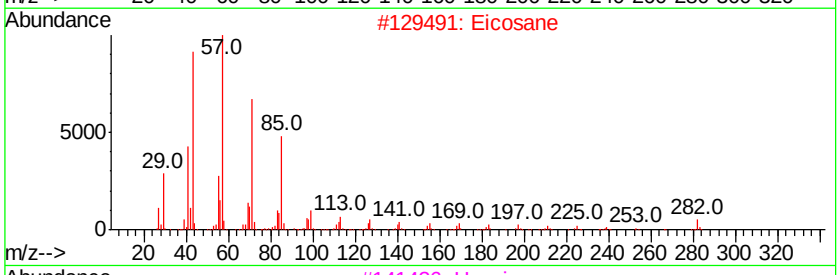
Peak Number 20 Hexadecane Concentration Rank 18

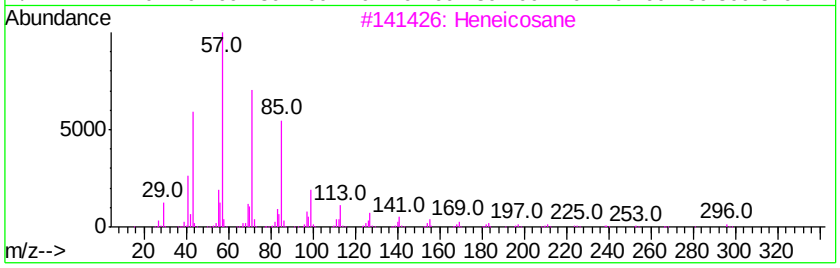
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	2.28 ng	101641	Perylene-d12	15.43

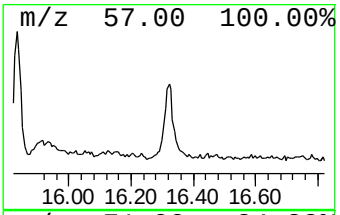
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Eicosane	282	C20H42	000112-95-8	87
3	Heneicosane	296	C21H44	000629-94-7	49
4	Hexacosane	366	C26H54	000630-01-3	49
5	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	49

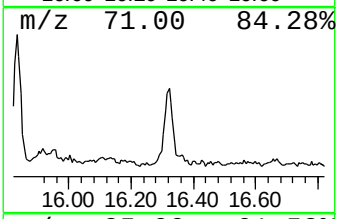


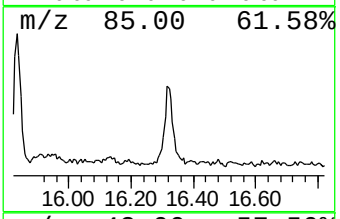


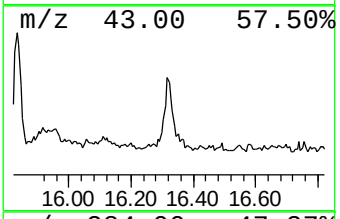


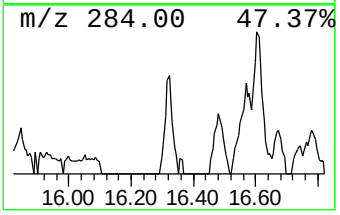












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081619\
Data File : BF116341.D
Acq On : 17 Aug 2019 2:06
Operator : HP/JU
Sample : K4228-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-F1-F4-COMP-(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
Butane, 2-methoxy...	2.13	44.1	ng	1925050	1	6.82	873879	20.0
unknown6.59	6.59	70.0	ng	3058630	1	6.82	873879	20.0
Anthracene, 1-met...	11.84	3.6	ng	200667	4	11.33	1098890	20.0
Phenanthrene, 2-m...	11.87	5.5	ng	304856	4	11.33	1098890	20.0
4H-Cyclopenta[def...	11.95	6.8	ng	373954	4	11.33	1098890	20.0
Phenanthrene, 1-m...	11.97	2.3	ng	128071	4	11.33	1098890	20.0
Naphthalene, 2-ph...	12.13	2.7	ng	147561	4	11.33	1098890	20.0
Phenanthrene, 2,5...	12.39	2.9	ng	161316	4	11.33	1098890	20.0
Pyrene, 1-methyl-	13.00	2.2	ng	205549	5	13.97	1898570	20.0
Fluoranthene, 2-m...	13.10	2.6	ng	246686	5	13.97	1898570	20.0
Pyrene, 2-methyl-	13.21	2.6	ng	247253	5	13.97	1898570	20.0
Benzo[b]naphtho[2...	13.73	2.6	ng	244621	5	13.97	1898570	20.0
Eicosyl heptafluo...	13.80	6.1	ng	583161	5	13.97	1898570	20.0
11H-Benzo[a]fluor...	13.83	2.5	ng	239272	5	13.97	1898570	20.0
Eicosane	14.72	2.2	ng	98610	6	15.43	893451	20.0
Benzo[e]pyrene	15.12	2.5	ng	110986	6	15.43	893451	20.0
Dinaphtho[1,2-b:1...	15.22	3.0	ng	133436	6	15.43	893451	20.0
Perylene	15.31	8.7	ng	389403	6	15.43	893451	20.0
Hexadecane	16.32	2.3	ng	101641	6	15.43	893451	20.0