LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114880.D
Acq On : 6 Jun 2019 23:21
Operator : HP/JU
Sample : K3218-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200035

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-BF060419.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	5.293	538	545	548	rBV	8686334	11074217	90.05%	6.501%
2	6.322	712	720	723	rBV	8198104	11246888	91.45%	6.603%
3	6.445	735	741	744	rBV	9432585	11675935	94.94%	6.854%
4	6.669	775	779	782	rBV	3374883	2733557	22.23%	1.605%
5	6.828	801	806	809	rBV	8986109	9223590	75.00%	5.415%
6	7.234	868	875	878	rBV	6395484	7931418	64.49%	4.656%
7	7.951	992	997	999	rBV	3740105	3496519	28.43%	2.053%
8	8.657	1113	1117	1121	rBV	498916	393593	3.20%	0.231%
9	8.757	1129	1134	1137	rVB	632450	502644	4.09%	0.295%
10	9.028	1174	1180	1183	rBV	10470898	12298177	100.00%	7.220%
11	9.286	1218	1224	1227	rBV	283060	366968	2.98%	0.215%
12	9.357	1231	1236	1239	rBV	610855	598639	4.87%	0.351%
13	9.416	1243	1246	1249	rBV	2277970	1823100	14.82%	1.070%
14	9.475	1252	1256	1258	rBV	285316	288899	2.35%	0.170%
15	9.557	1265	1270	1277	rVB	364605	358525	2.92%	0.210%
16	9.698	1288	1294	1297	rBV	4094150	3838995	31.22%	2.254%
17	9.728	1297	1299	1302	rVB	881165	661862	5.38%	0.389%
18	9.898	1322	1328	1332	rBV	648148	601349	4.89%	0.353%
19	9.939	1332	1335	1338	rVB	311707	241747	1.97%	0.142%
20	10.016	1343	1348	1350	rBV2	238343	278599	2.27%	0.164%
21	10.192	1372	1378	1382	rBV5	112502	200131	1.63%	0.117%
22	10.239	1382	1386	1389	rBV	1232796	1067239	8.68%	0.627%
23	10.304	1392	1397	1399	rBV	220722	264302	2.15%	0.155%
24	10.398	1410	1413	1415	rBV	268970	218159	1.77%	0.128%
25	10.480	1419	1427	1431	rBV	6687374	7692309	62.55%	4.516%
26	10.610	1443	1449	1452	rBV4	143256	215313	1.75%	0.126%
27	10.786	1473	1479	1481	rBV3	336320	493302	4.01%	0.290%
28	10.810	1481	1483	1486	rVB	304829	239170	1.94%	0.140%
29	10.869	1490	1493	1496	rVB	207234	207400	1.69%	0.122%
30	10.975	1509	1511	1516	rVB2	262348	266195	2.16%	0.156%
31	11.063	1523	1526	1530	rVV	665495	585573	4.76%	0.344%
32	11.169	1540	1544	1546	rBV	3570048	3482637	28.32%	2.045%
33	11.198	1546	1549	1552	rVV	6368175	5715640	46.48%	3.355%
34	11.245	1552	1557	1560	rVB	1590390	1388550	11.29%	0.815%

LSC Area Percent Report

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.280	1560	1563	1566	rBV2	218679	247739	2.01%	0.145%
36	11.398	1577	1583	1586	rBV2	549231	656071	5.33%	0.385%
37	11.469	1591	1595	1597	rVV	207219	204006	1.66%	0.120%
38	11.498	1597	1600	1605	rVB	569709	512089	4.16%	0.301%
39	11.580	1611	1614	1618	rVB	395603	407620	3.31%	0.239%
40	11.669	1623	1629	1632	rVV	1685600	1613245	13.12%	0.947%
41	11.698	1632	1634	1636	rVV	2129925	1747690	14.21%	1.026%
42	11.716	1636	1637	1640	rVV	1115361	936597	7.62%	0.550%
43	11.745	1640	1642	1644	rVV	560628	481295	3.91%	0.283%
44	11.780	1644	1648	1650	rVV	2076975	2108229	17.14%	1.238%
45	11.804	1650	1652	1655	rVB	985180	777480	6.32%	0.456%
46	11.963	1676	1679	1681	rVV	759588	672460	5.47%	0.395%
47	11.980	1681	1682	1690	rVB3	445209	559329	4.55%	0.328%
48	12.116	1702	1705	1707	rVV	383555	373461	3.04%	0.219%
49	12.145	1707	1710	1712	rVV	655645	591128	4.81%	0.347%
50	12.169	1712	1714	1716	rVB	471166	360542	2.93%	0.212%
51	12.216	1716	1722	1725	rBV	1209893	1408809	11.46%	0.827%
52	12.251	1725	1728	1730	rVV	682797	742656	6.04%	0.436%
53	12.274	1730	1732	1734	rVV	349042	245727	2.00%	0.144%
54	12.298	1734	1736	1741	rVB3	437622	632520	5.14%	0.371%
55	12.374	1745	1749	1753	rVB	4943862	4666861	37.95%	2.740%
56	12.427	1755	1758	1763	rBV4	285926	444621	3.62%	0.261%
57	12.498	1767	1770	1772	rBV2	393365	400268	3.25%	0.235%
58	12.522	1772	1774	1779	rVB2	296758	352143	2.86%	0.207%
59	12.604	1782	1788	1790	rBV	4997061	5086073	41.36%	2.986%
60	12.627	1790	1792	1794	rVV2	395871	361537	2.94%	0.212%
61	12.663	1794	1798	1802	rVB2	495517	684883	5.57%	0.402%
62	12.722	1802	1808	1809	rBV2	396098	494960	4.02%	0.291%
63	12.757	1809	1814	1817	rVV	8998646	9597150	78.04%	5.634%
64	12.822	1820	1825	1828	rBV2	655536	854122	6.95%	0.501%
65	12.910	1837	1840	1841	rBV	369380	422905	3.44%	0.248%
66	12.927	1841	1843	1847	rVB	1063232	969121	7.88%	0.569%
67	12.998	1852	1855	1857	rVB	683498	610630	4.97%	0.358%
68	13.033	1857	1861	1864	rBV	878406	819825	6.67%	0.481%
69	13.121	1873	1876	1879	rVB	677686	555418	4.52%	0.326%
70	13.151	1879	1881	1885	rBV	643966	531015	4.32%	0.312%
71	13.198	1885	1889	1891	rVB2	187951	206549	1.68%	0.121%

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Instrument : BNA_F
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Integrator: RTE
Smoothing : ON Filtering: 5
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72	13.345	1909	1914	1917	rVB4	215137	362732	2.95%	0.213%
73	13.427	1922	1928	1934	rBV3	324760	635554	5.17%	0.373%
74	13.539	1943	1947	1950	rBV2	591736	825309	6.71%	0.485%
75	13.569	1950	1952	1954	rVB	296251	202198	1.64%	0.119%
76	13.657	1964	1967	1974	rVB2	1082320	1184725	9.63%	0.695%
77	13.786	1982	1989	1992	rBV2	3338924	5041299	40.99%	2.960%
78	13.816	1992	1994	1997	rVB	2028147	1655458	13.46%	0.972%
79	13.880	2002	2005	2006	rBV	234913	230026	1.87%	0.135%
80	13.980	2019	2022	2025	rVB3	211387	223671	1.82%	0.131%
81	14.174	2051	2055	2058	rVV	794811	911540	7.41%	0.535%
82	14.210	2058	2061	2064	rVV	449733	425303	3.46%	0.250%
83	14.268	2068	2071	2073	rVV2	358046	449850	3.66%	0.264%
84	14.292	2073	2075	2078	rVV2	451153	597750	4.86%	0.351%
85	14.316	2078	2079	2083	rVV2	296541	298128	2.42%	0.175%
86	14.374	2083	2089	2092	rVV4	185857	275638	2.24%	0.162%
87	14.504	2108	2111	2117	rVV3	180837	332230	2.70%	0.195%
88	14.580	2121	2124	2128	rVV2	447423	487908	3.97%	0.286%
89	14.651	2133	2136	2139	rVV2	196189	268268	2.18%	0.157%
90	14.792	2155	2160	2166	rBV	1522222	2820863	22.94%	1.656%
91	14.886	2173	2176	2181	rVB	577677	557511	4.53%	0.327%
92	15.063	2202	2206	2211	rVB	1014880	1197644	9.74%	0.703%
93	15.115	2211	2215	2221	rBV	1584106	1807942	14.70%	1.061%
94	15.174	2221	2225	2228	rVV	2026469	2344861	19.07%	1.377%
95	15.198	2228	2229	2232	rVV	431592	427719	3.48%	0.251%
96	15.227	2232	2234	2239	rVB3	230924	263435	2.14%	0.155%
97	15.498	2277	2280	2285	rVB	143866	202025	1.64%	0.119%
98	15.621	2295	2301	2305	rBV2	214673	463850	3.77%	0.272%
99	16.480	2441	2447	2456	rVB2	548183	997896	8.11%	0.586%
100	16.868	2508	2513	2522	rVB	431124	842443	6.85%	0.495%

Sum of corrected areas: 170341691

LSC Report - Integrated Chromatogram

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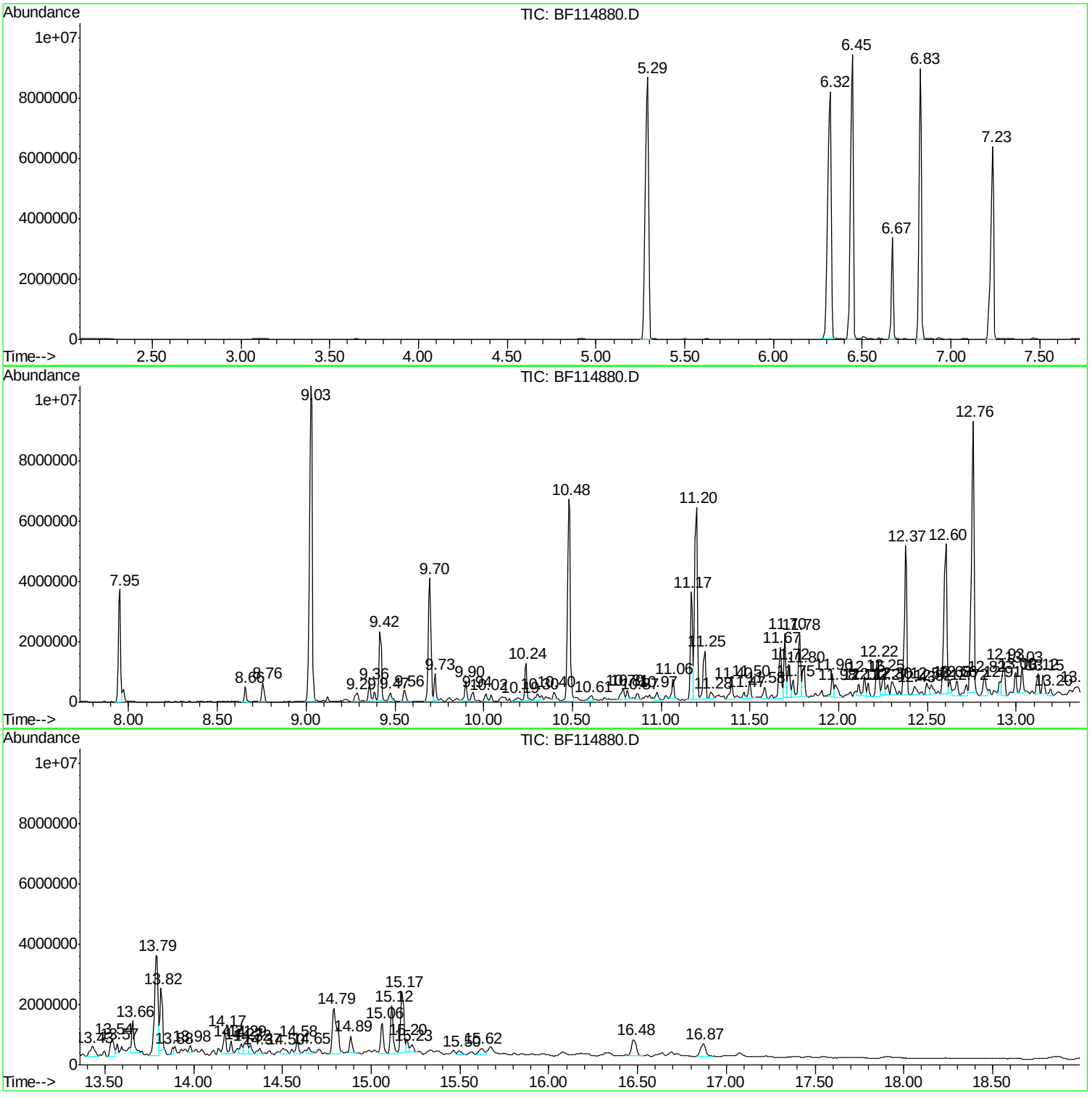
Instrument : BNA_F
ClientSampleId : RBR-200035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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\BF060619\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

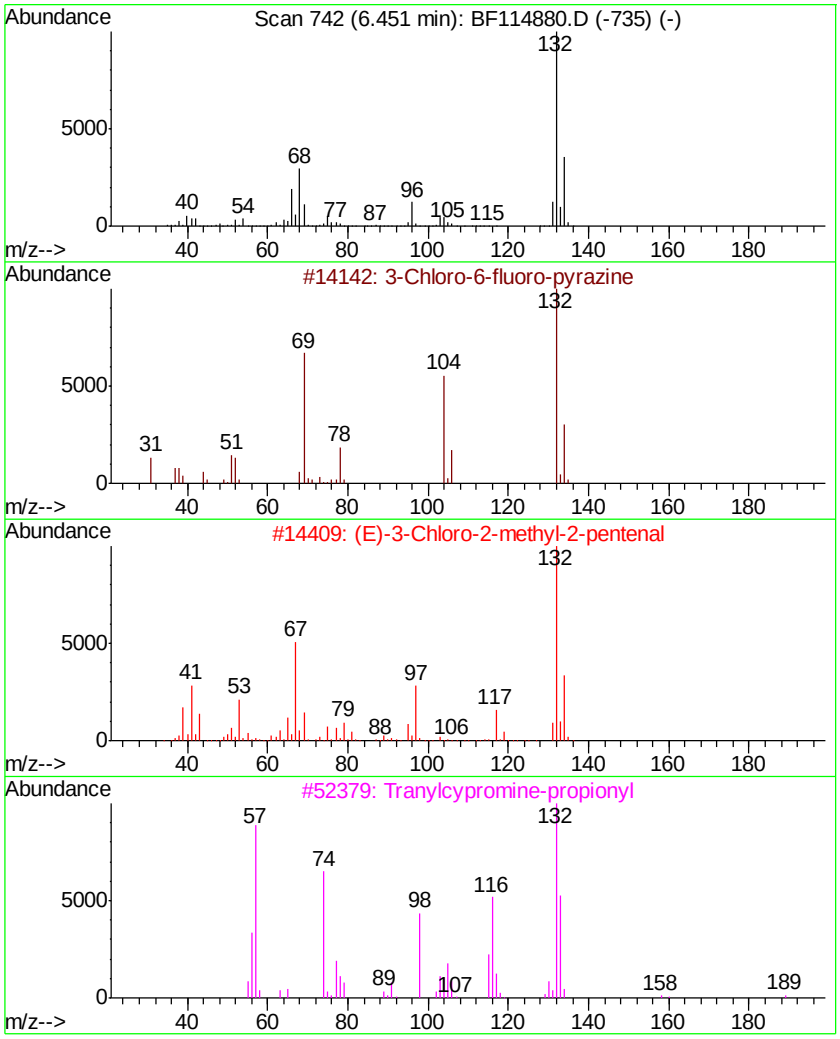
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

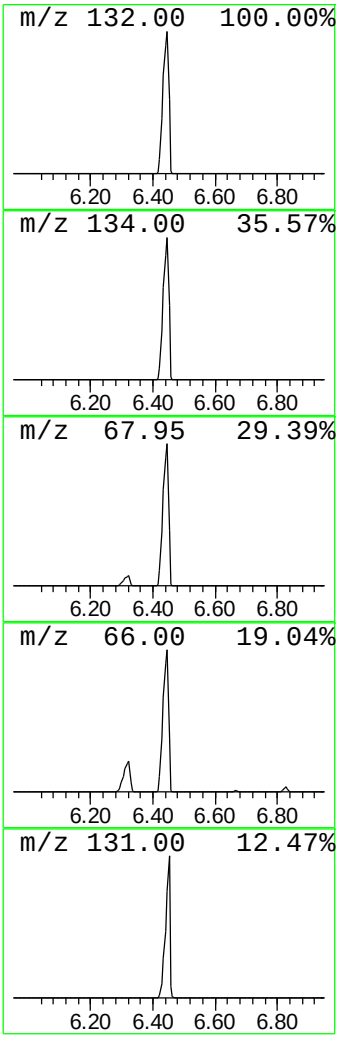
****

Peak Number 1 unknown6.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	85.43 ng	11675900	1,4-Dichlorobenzene-d4	6.67

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	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
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TIC Library : C:\DATABASE\NIST11.L
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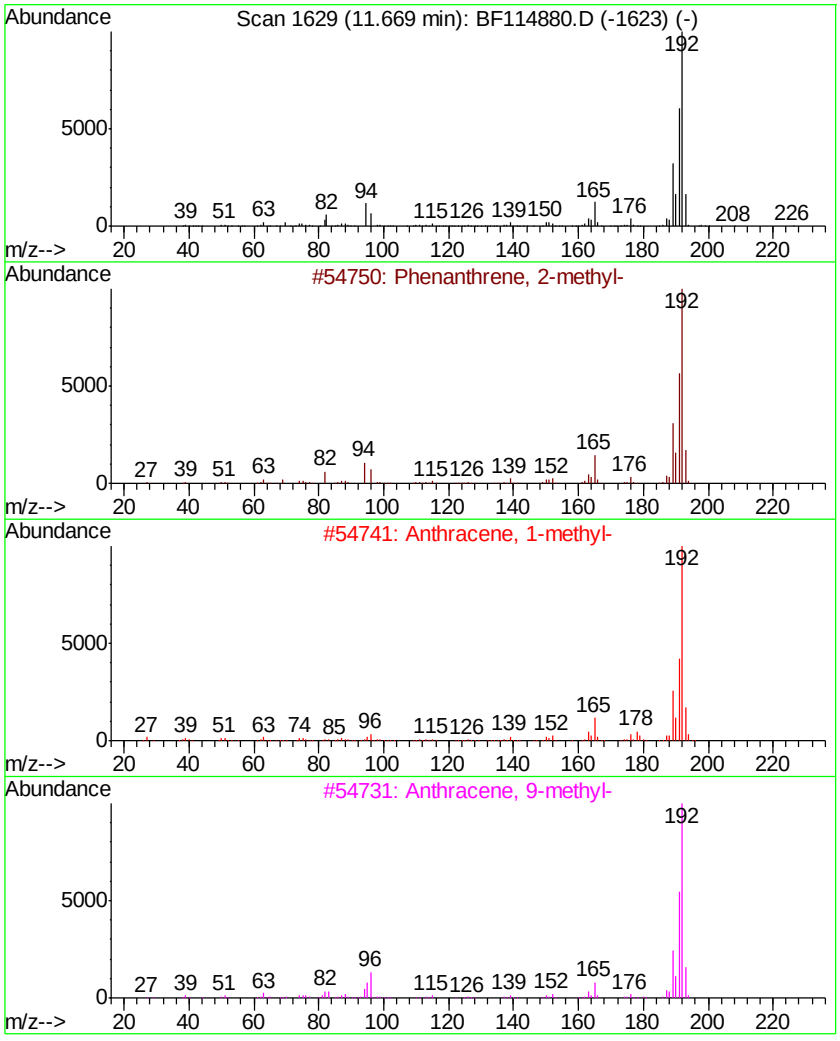
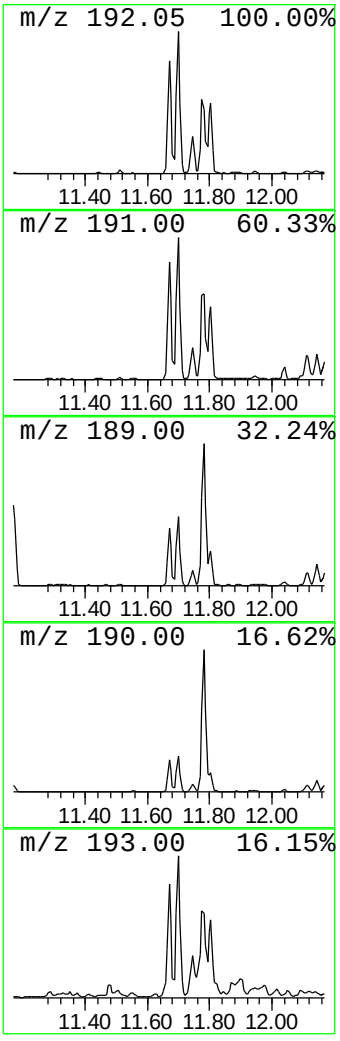
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	9.26 ng	1613250	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Library Search Compound Report

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

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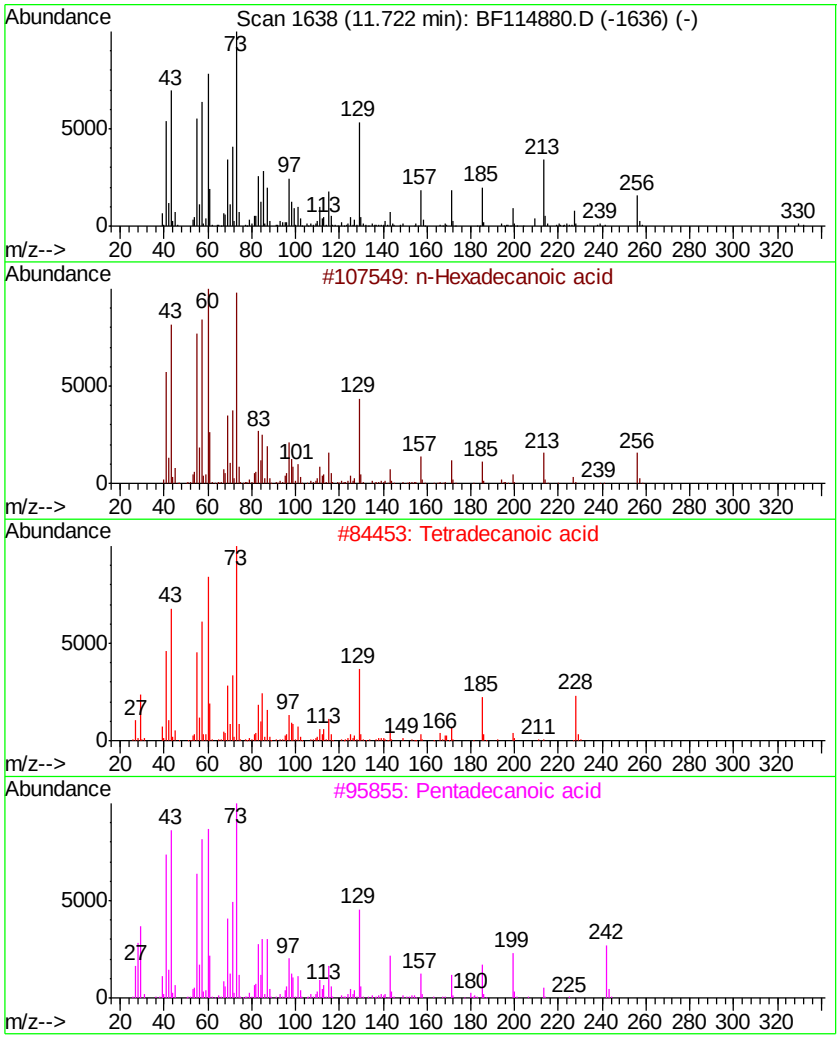
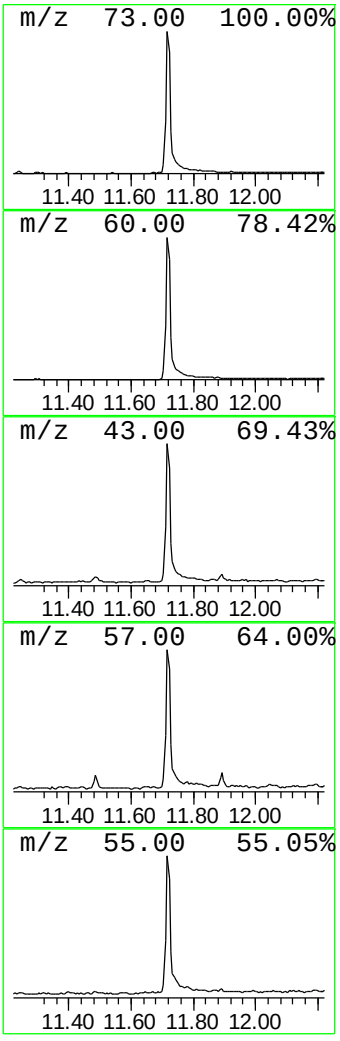
Peak Number 6 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	5.38 ng	936597	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Octadecanoic acid	284	C18H36O2	000057-11-4	81
5	Tridecanoic acid	214	C13H26O2	000638-53-9	80





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ClientSampleId : RBR-200035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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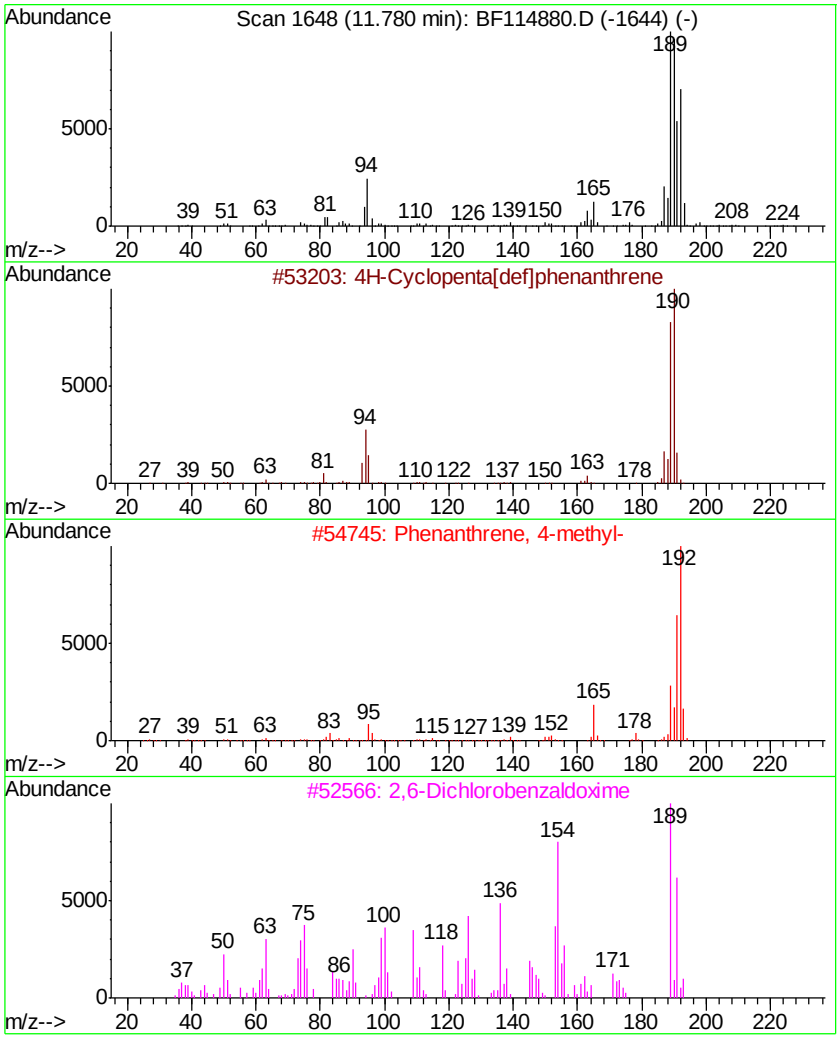
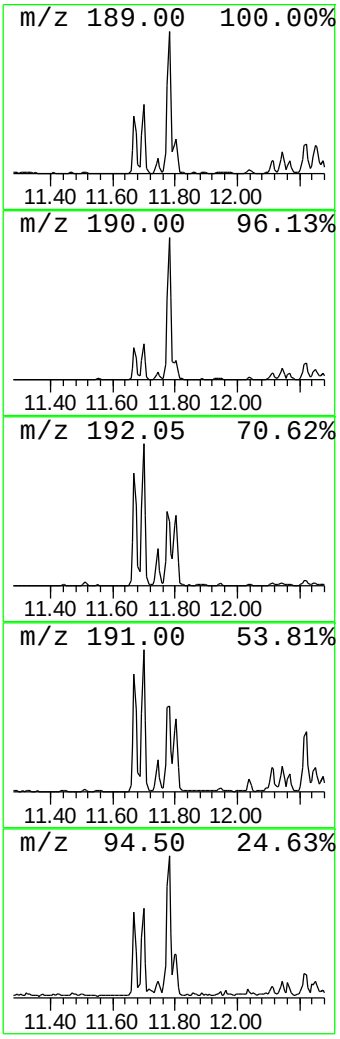
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	12.11 ng	2108230	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
3	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
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Sample : K3218-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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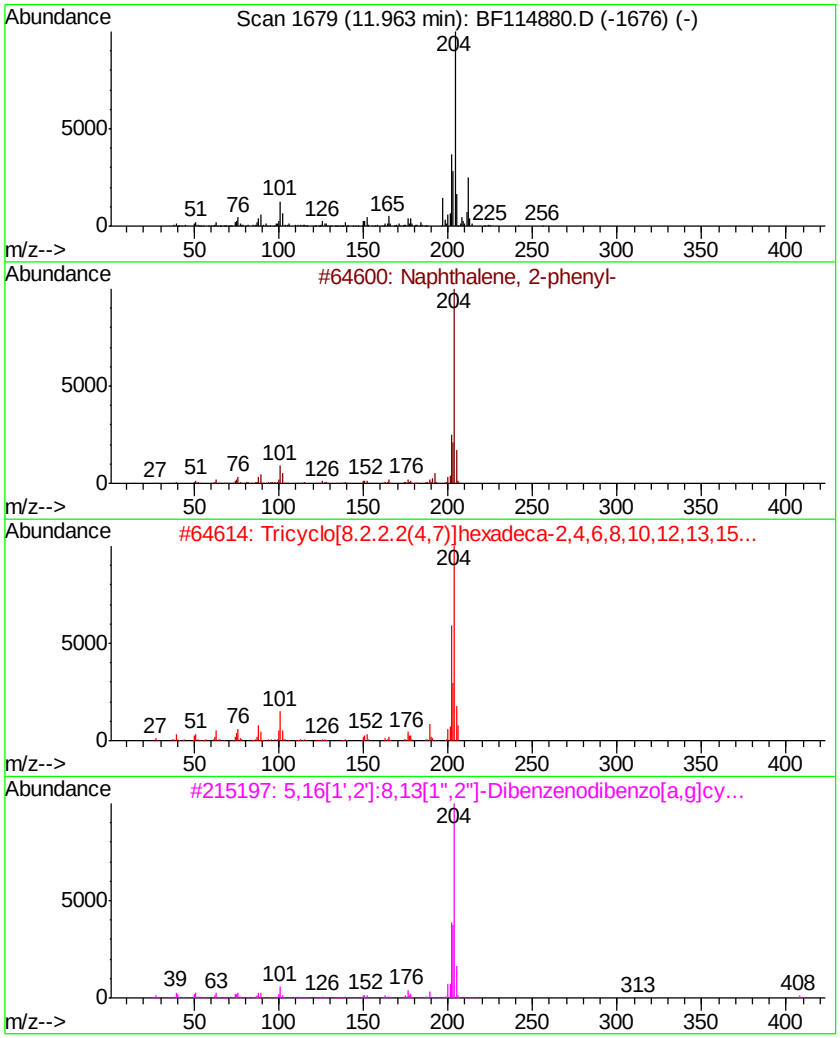
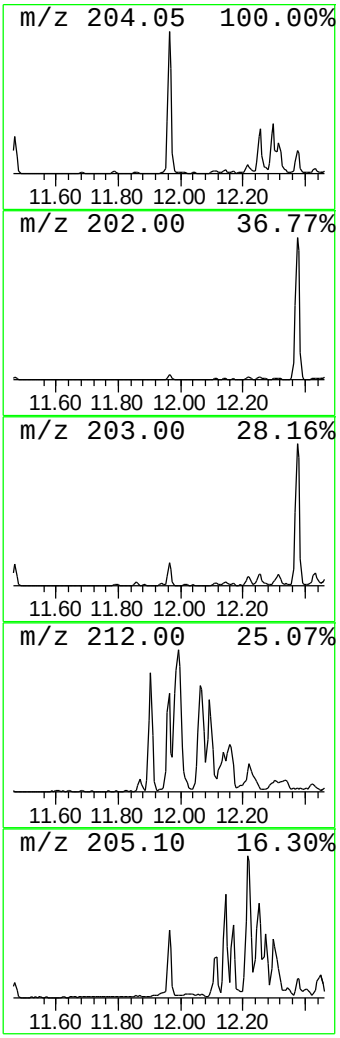
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.86 ng	672460	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46





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Acq On : 6 Jun 2019 23:21
Operator : HP/JU
Sample : K3218-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200035

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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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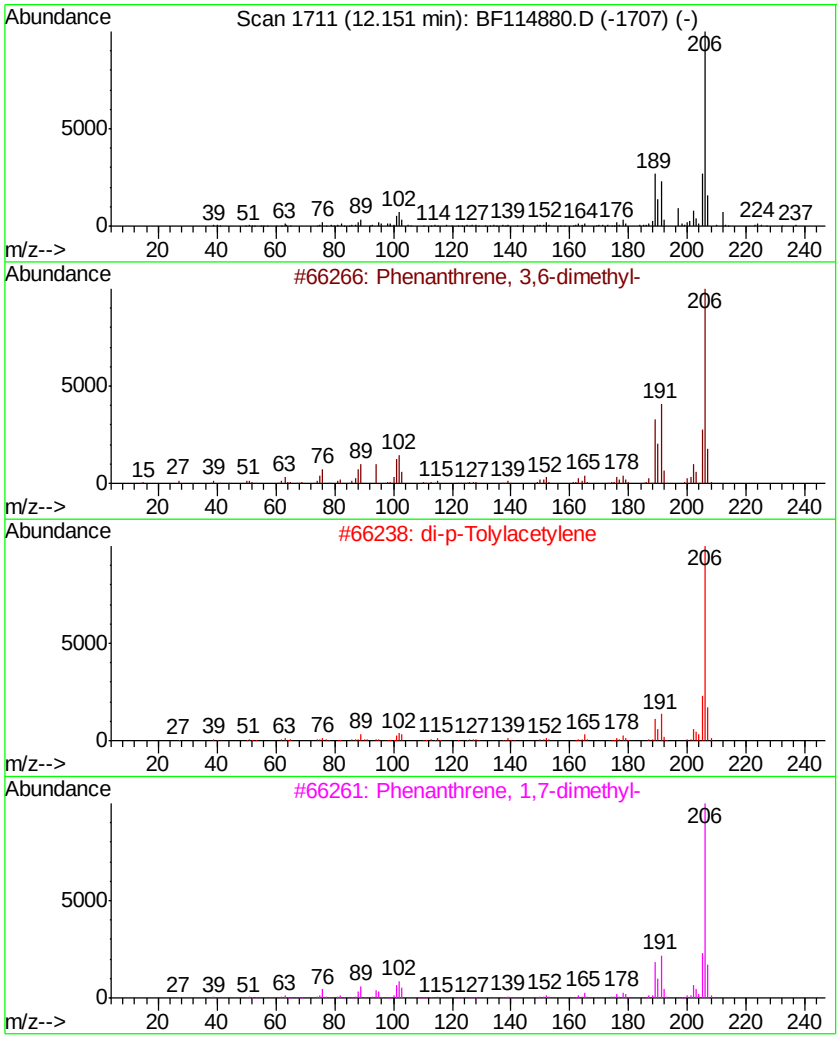
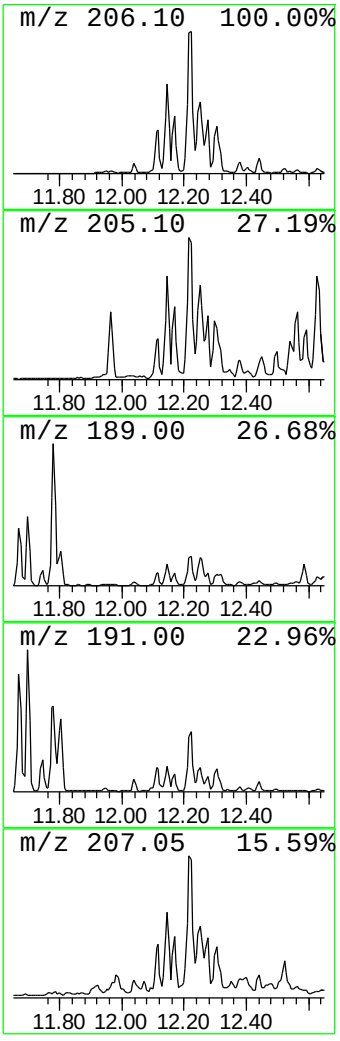
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.39 ng	591128	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76





Library Search Compound Report

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Acq On : 6 Jun 2019 23:21
Operator : HP/JU
Sample : K3218-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200035

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

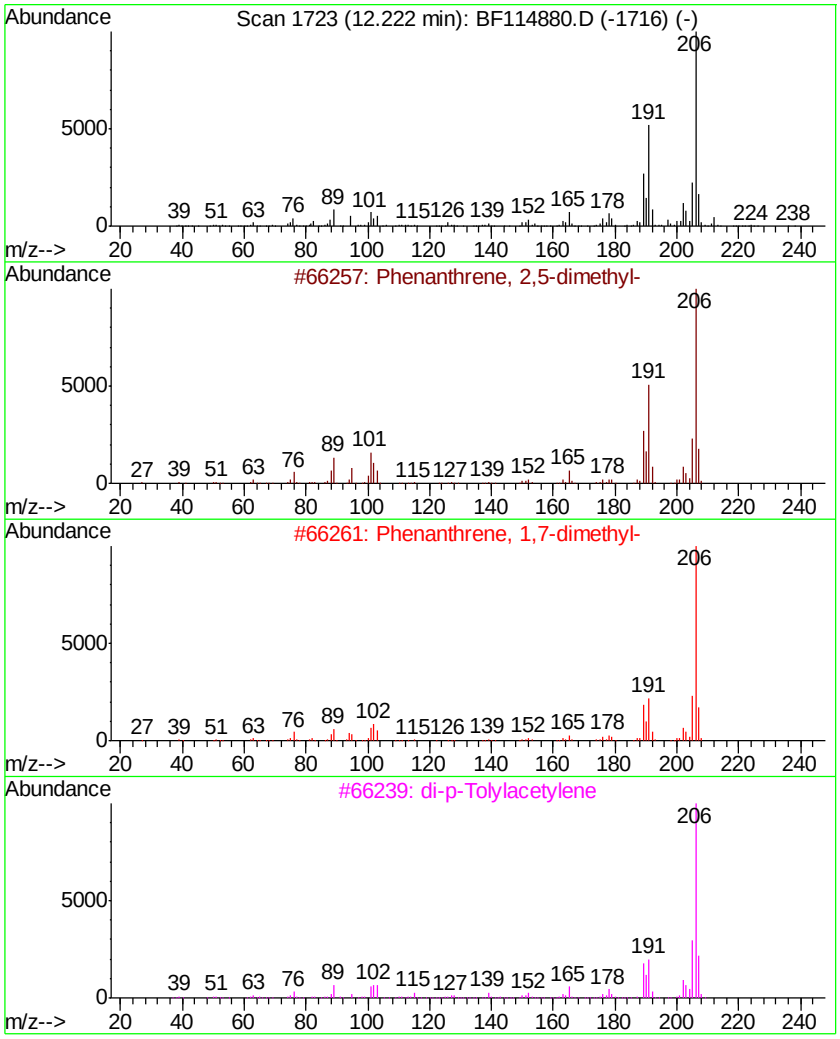
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

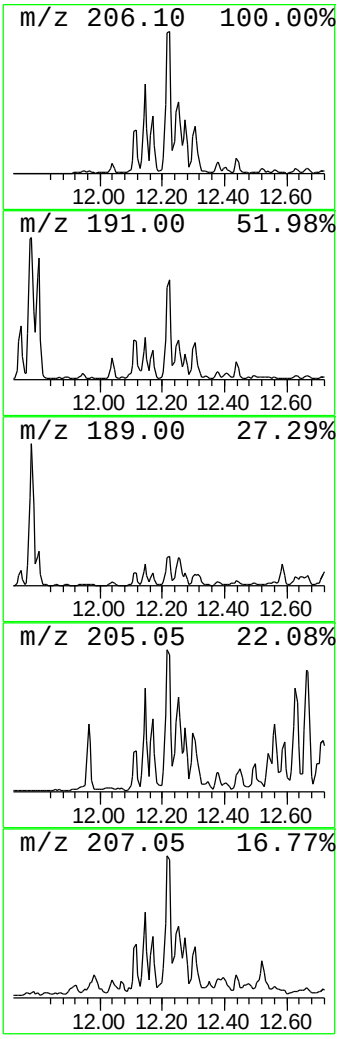
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	8.09 ng	1408810	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





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Operator : HP/JU
Sample : K3218-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200035

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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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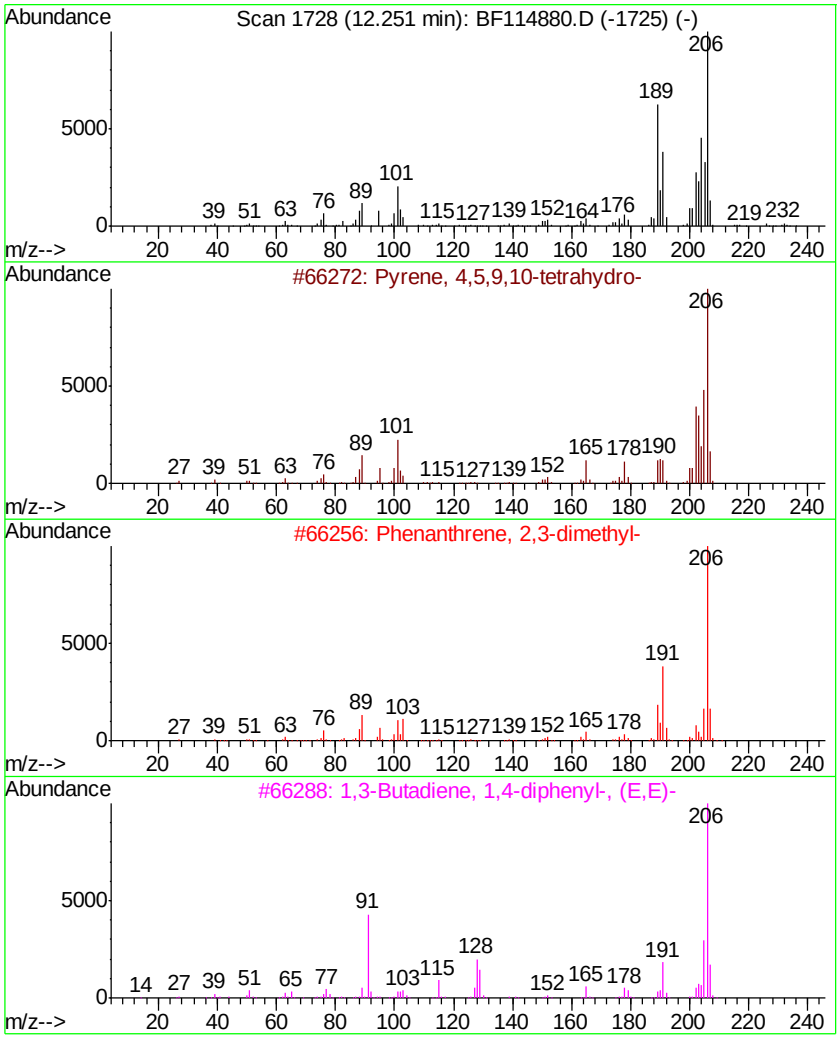
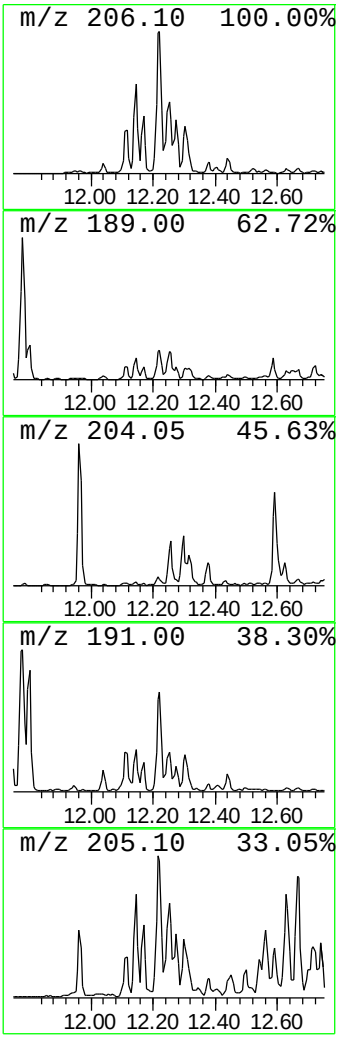
Peak Number 12 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	4.26 ng	742656	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	62
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	45
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38





Library Search Compound Report

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Acq On : 6 Jun 2019 23:21
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Sample : K3218-01
Misc :
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Instrument : BNA_F
ClientSampleId : RBR-200035

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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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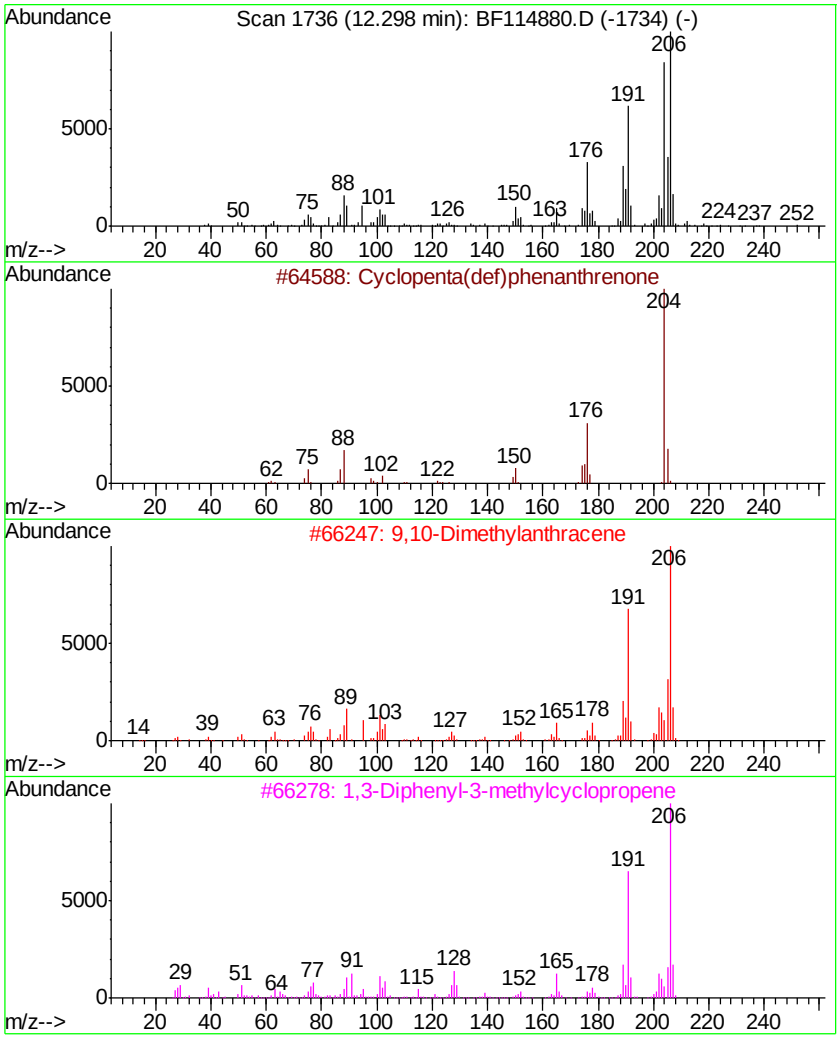
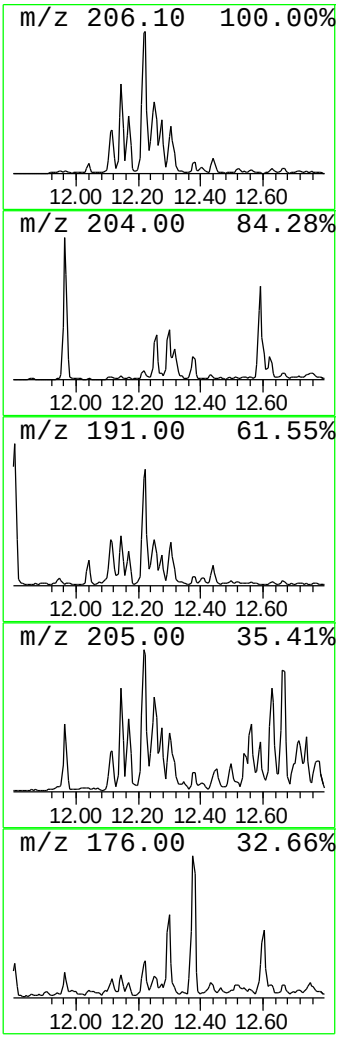
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	3.63 ng	632520	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	78





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Acq On : 6 Jun 2019 23:21
Operator : HP/JU
Sample : K3218-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

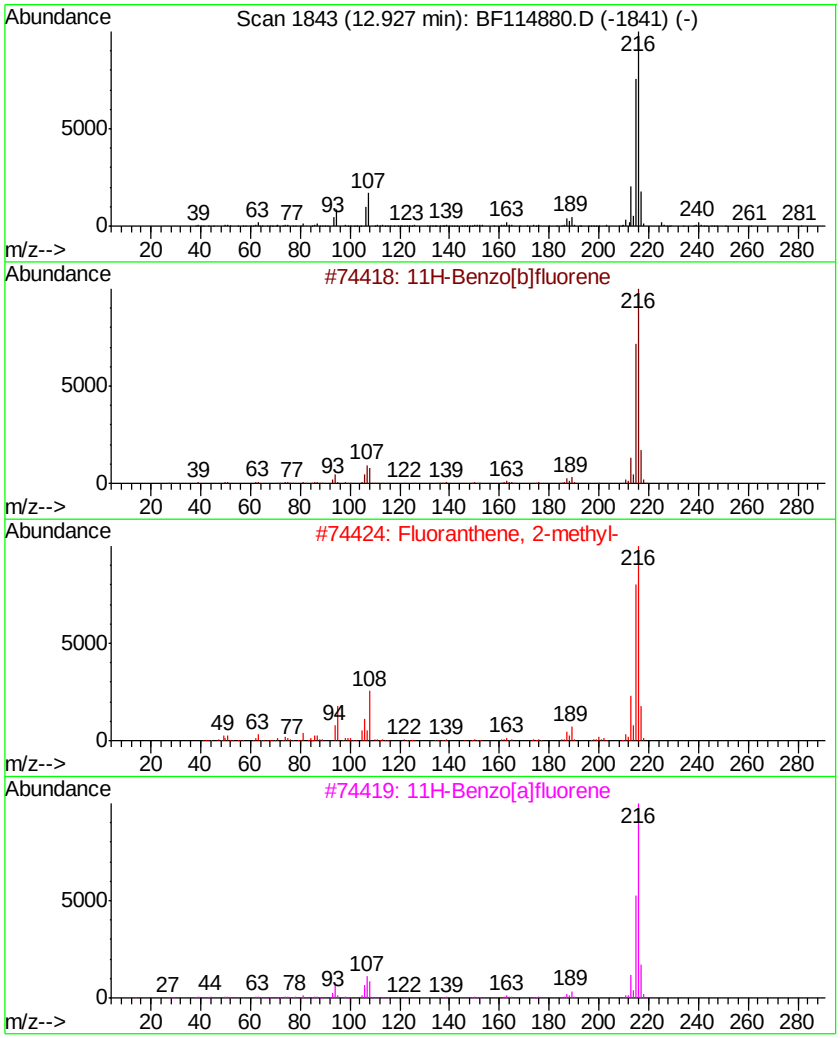
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

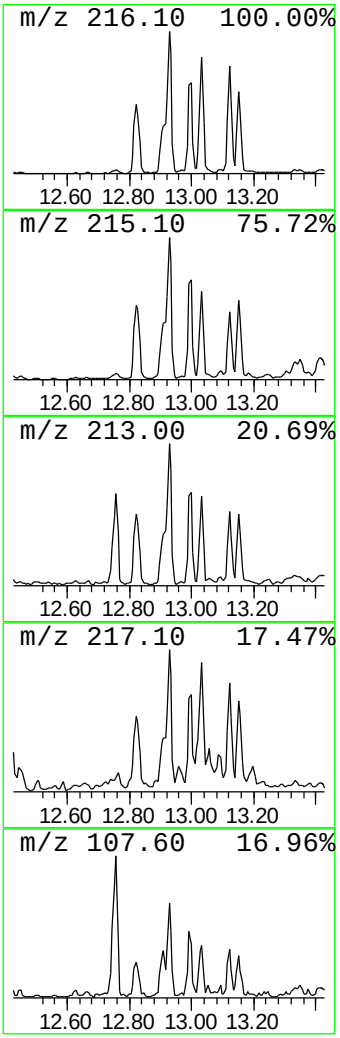
****

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	3.84 ng	969121	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Acq On : 6 Jun 2019 23:21
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Sample : K3218-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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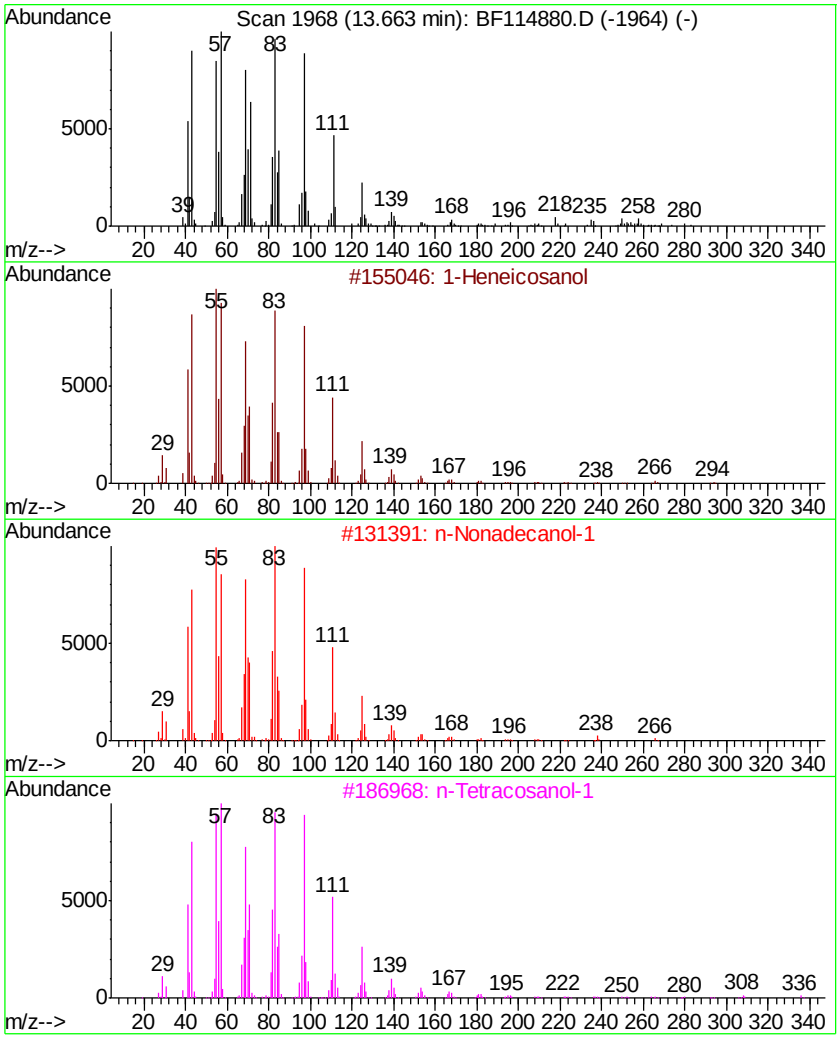
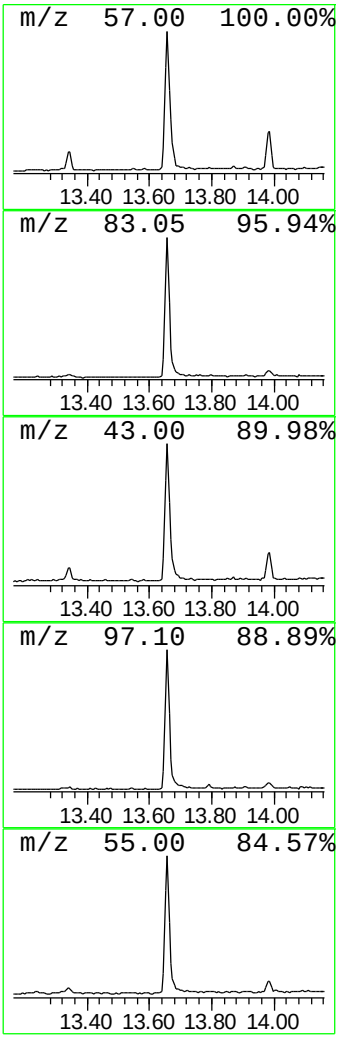
Peak Number 15 1-Heneicosanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	4.70 ng	1184730	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	94
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
5	Behenic alcohol	326	C22H46O	000661-19-8	91





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Acq On : 6 Jun 2019 23:21
Operator : HP/JU
Sample : K3218-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200035

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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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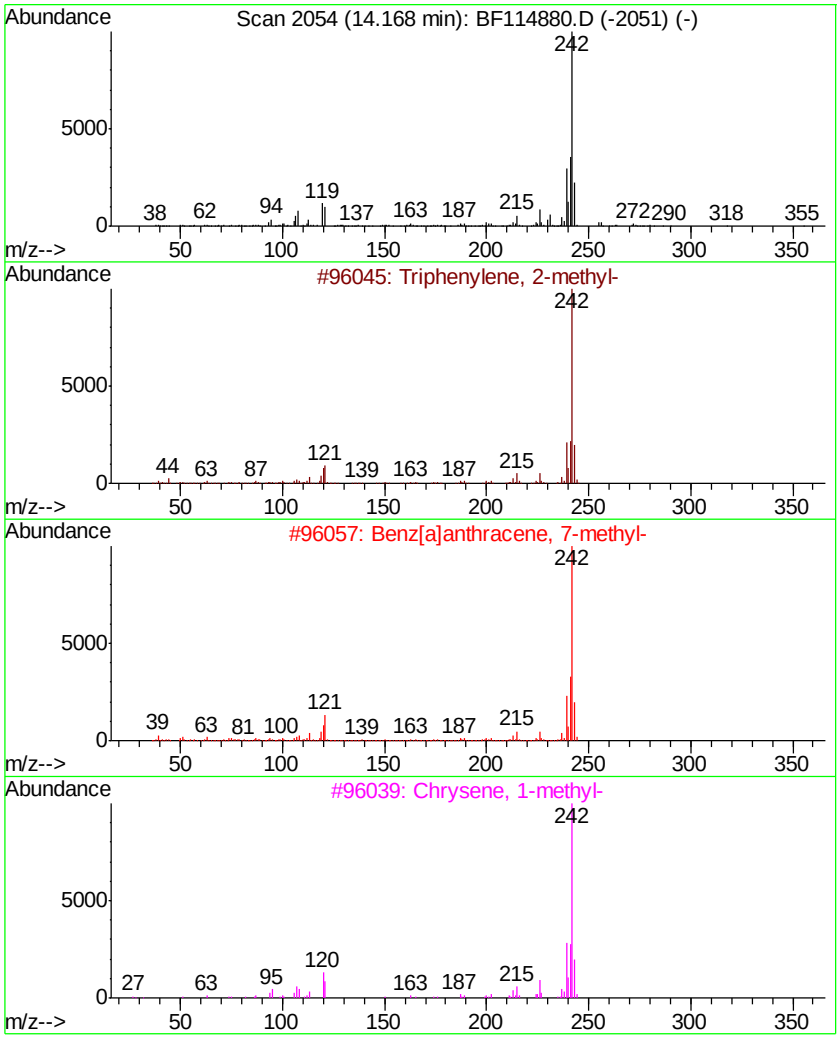
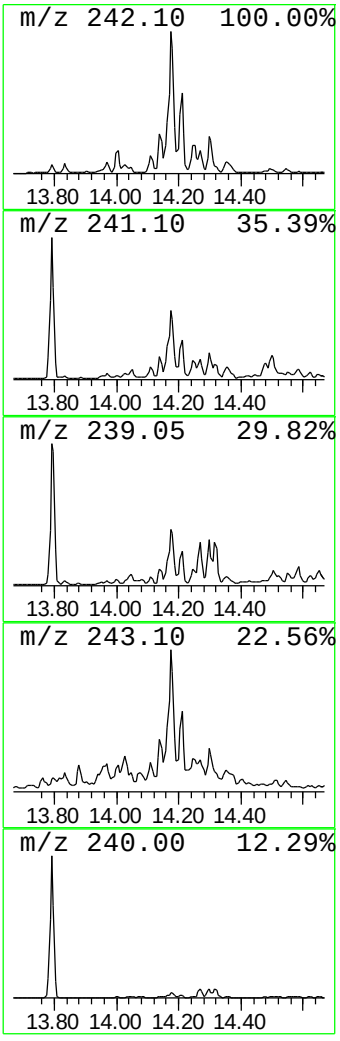
Peak Number 16 Triphenylene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	3.62 ng	911540	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	90
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





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Sample : K3218-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200035

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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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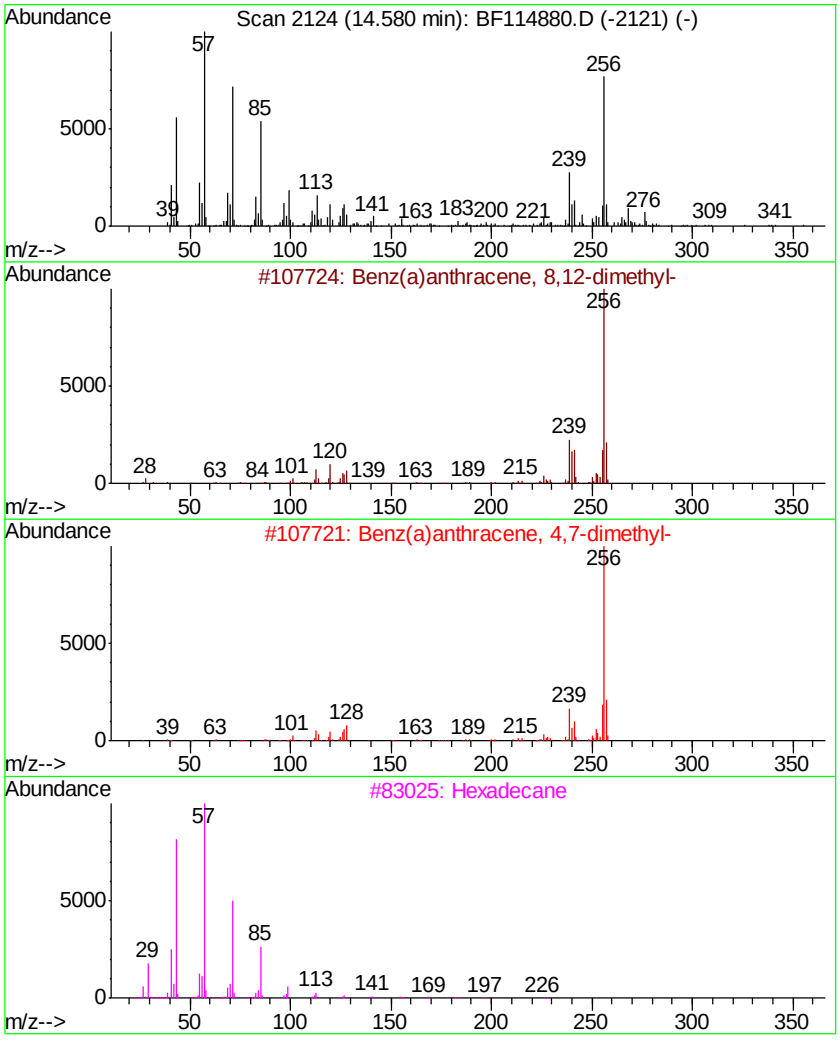
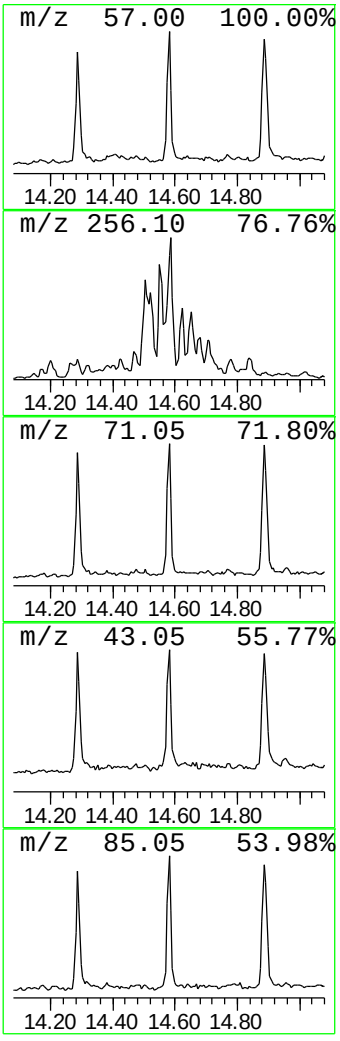
Peak Number 17 Benz(a)anthracene, 8,12-dim... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	4.16 ng	487908	Perylene-d12	15.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	90
2	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	89
3	Hexadecane	226	C16H34	000544-76-3	74
4	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	64
5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	64





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Misc :
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Instrument : BNA_F
ClientSampleId : RBR-200035

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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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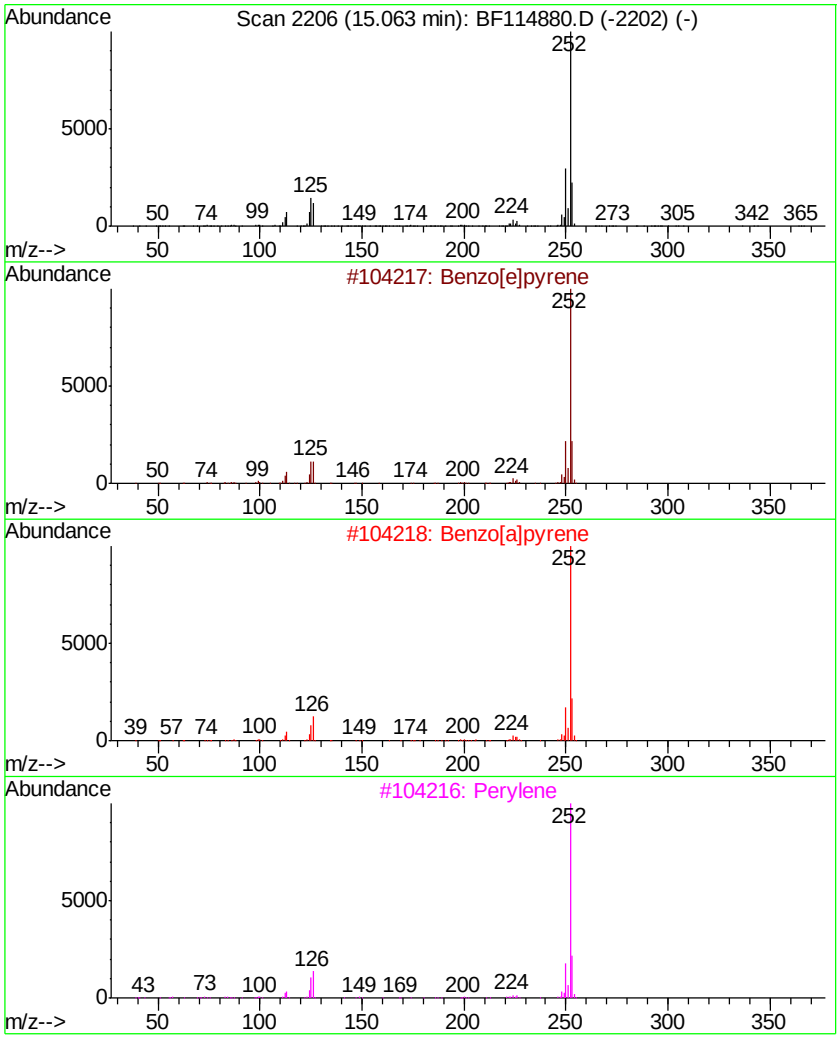
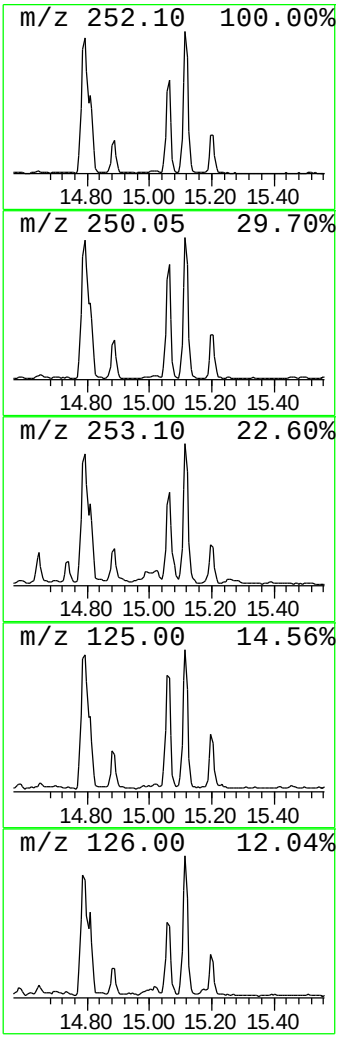
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	10.22 ng	1197640	Perylene-d12	15.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





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Sample : K3218-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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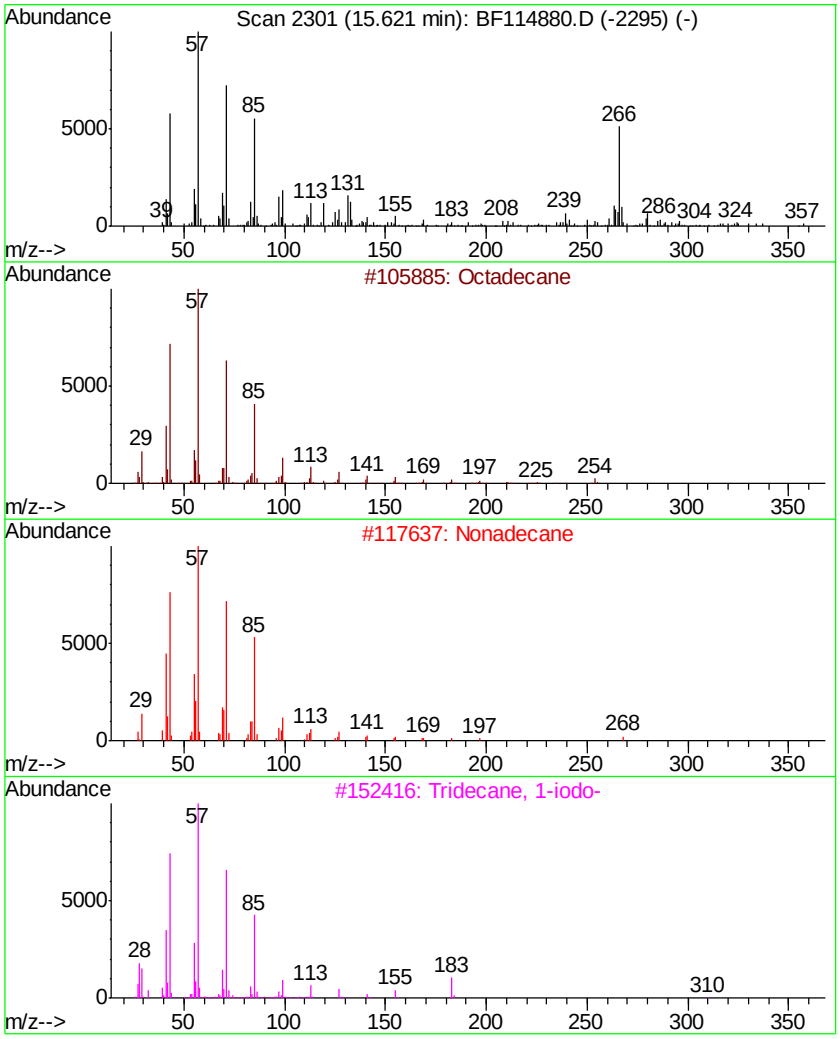
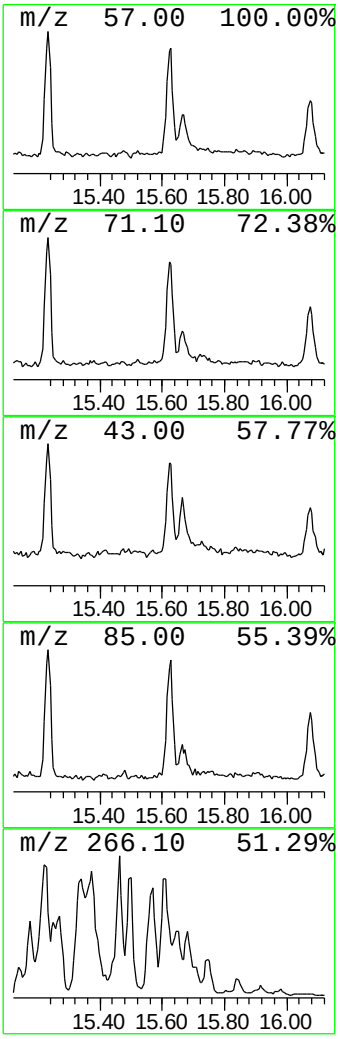
Peak Number 20 Octadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	3.96 ng	463850	Perylene-d12	15.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	74
2	Nonadecane	268	C19H40	000629-92-5	62
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	62
4	Heneicosane	296	C21H44	000629-94-7	52
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	46





Tentatively Identified Compound (LSC) summary

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Acq On : 6 Jun 2019 23:21
Operator : HP/JU
Sample : K3218-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200035

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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
unknown6.45	6.45	85.4	ng	11675900	1	6.67	2733560	20.0
Phenanthrene, 2-m...	11.67	9.3	ng	1613250	4	11.17	3482640	20.0
n-Hexadecanoic acid	11.72	5.4	ng	936597	4	11.17	3482640	20.0
4H-Cyclopenta[def...	11.78	12.1	ng	2108230	4	11.17	3482640	20.0
Naphthalene, 2-ph...	11.96	3.9	ng	672460	4	11.17	3482640	20.0
Phenanthrene, 3,6...	12.15	3.4	ng	591128	4	11.17	3482640	20.0
Phenanthrene, 2,5...	12.22	8.1	ng	1408810	4	11.17	3482640	20.0
Pyrene, 4,5,9,10-...	12.25	4.3	ng	742656	4	11.17	3482640	20.0
Cyclopenta(def)ph...	12.30	3.6	ng	632520	4	11.17	3482640	20.0
11H-Benzo[b]fluorene	12.93	3.8	ng	969121	5	13.79	5041300	20.0
1-Heneicosanol	13.66	4.7	ng	1184730	5	13.79	5041300	20.0
Triphenylene, 2-m...	14.17	3.6	ng	911540	5	13.79	5041300	20.0
Benz(a)anthracene...	14.58	4.2	ng	487908	6	15.17	2344860	20.0
Benzo[e]pyrene	15.06	10.2	ng	1197640	6	15.17	2344860	20.0
Octadecane	15.62	4.0	ng	463850	6	15.17	2344860	20.0