LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116009.D
Acq On : 6 Aug 2019 13:29
Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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	2.122	3	6	21	rVB	734137	950850	27.65%	1.777%
2	5.469	571	575	599	rBV	2742182	2771184	80.59%	5.180%
3	6.475	742	746	766	rBV	2655905	2954202	85.91%	5.522%
4	6.616	766	770	773	rBV	3241873	2933782	85.32%	5.484%
5	6.839	805	808	818	rBV	810707	743043	21.61%	1.389%
6	6.998	831	835	849	rBV	2706093	2370086	68.93%	4.430%
7	7.404	900	904	917	rBV	1988213	1904822	55.40%	3.561%
8	8.122	1022	1026	1039	rBV	970550	926849	26.95%	1.733%
9	9.198	1204	1209	1212	rBV	3476290	3301391	96.01%	6.171%
10	9.586	1272	1275	1285	rVB	190069	183860	5.35%	0.344%
11	9.874	1320	1324	1327	rBV	1254098	1071695	31.17%	2.003%
12	9.904	1327	1329	1336	rVB	157934	160287	4.66%	0.300%
13	10.080	1354	1359	1363	rBV2	47085	55042	1.60%	0.103%
14	10.422	1414	1417	1423	rBV	114629	124657	3.63%	0.233%
15	10.580	1442	1444	1448	rVB	41837	37275	1.08%	0.070%
16	10.663	1454	1458	1470	rBV	1999383	2066825	60.11%	3.863%
17	10.969	1500	1510	1513	rBV4	51807	89885	2.61%	0.168%
18	11.104	1528	1533	1534	rBV3	36660	50202	1.46%	0.094%
19	11.169	1540	1544	1547	rBV2	110137	116388	3.38%	0.218%
20	11.221	1549	1553	1556	rVV3	68959	90318	2.63%	0.169%
21	11.257	1556	1559	1564	rVB	199239	213008	6.19%	0.398%
22	11.316	1564	1569	1570	rBV	47776	63398	1.84%	0.119%
23	11.339	1570	1573	1574	rVV2	68053	65536	1.91%	0.123%
24	11.363	1574	1577	1579	rVV	1229107	1238770	36.03%	2.316%
25	11.386	1579	1581	1583	rVV	1732001	1429591	41.57%	2.672%
26	11.404	1583	1584	1587	rVV2	312327	343133	9.98%	0.641%
27	11.439	1587	1590	1594	rVV2	566223	668332	19.44%	1.249%
28	11.486	1594	1598	1600	rVV2	311147	326527	9.50%	0.610%
29	11.516	1600	1603	1605	rVV	242292	242228	7.04%	0.453%
30	11.539	1605	1607	1611	rVB2	204209	244846	7.12%	0.458%
31	11.586	1611	1615	1624	rBV3	376274	663723	19.30%	1.241%
32	11.663	1624	1628	1633	rBV2	241437	494754	14.39%	0.925%
33	11.710	1633	1636	1639	rVV3	199970	236035	6.86%	0.441%
34	11.751	1639	1643	1645	rVV2	255703	292637	8.51%	0.547%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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	11.780	1645	1648	1650	rVB2	185230	193697	5.63%	0.362%
36	11.804	1650	1652	1654	rBV	167788	123038	3.58%	0.230%
37	11.839	1654	1658	1661	rBV	210291	336447	9.78%	0.629%
38	11.863	1661	1662	1664	rVV	140041	129807	3.78%	0.243%
39	11.892	1664	1667	1671	rVB3	495741	574276	16.70%	1.073%
40	11.939	1673	1675	1678	rVB2	110788	83752	2.44%	0.157%
41	11.974	1678	1681	1684	rBV	321385	337439	9.81%	0.631%
42	12.051	1691	1694	1696	rBV	104999	91875	2.67%	0.172%
43	12.098	1700	1702	1704	rBV2	61357	53720	1.56%	0.100%
44	12.157	1710	1712	1715	rBV2	145697	123593	3.59%	0.231%
45	12.192	1715	1718	1721	rBV3	126089	135468	3.94%	0.253%
46	12.286	1730	1734	1735	rBV3	82427	98881	2.88%	0.185%
47	12.304	1735	1737	1740	rVB	78040	77580	2.26%	0.145%
48	12.363	1745	1747	1749	rVV	72609	73084	2.13%	0.137%
49	12.415	1753	1756	1759	rBV3	141209	198065	5.76%	0.370%
50	12.451	1759	1762	1768	rVB2	182532	211082	6.14%	0.395%
51	12.574	1780	1783	1788	rBV	2147675	2067599	60.13%	3.865%
52	12.639	1792	1794	1796	rBV3	64456	60240	1.75%	0.113%
53	12.674	1796	1800	1805	rBV3	503518	589378	17.14%	1.102%
54	12.804	1816	1822	1828	rBV2	1742912	2023539	58.85%	3.783%
55	12.857	1828	1831	1835	rVB2	117834	139971	4.07%	0.262%
56	12.945	1839	1846	1849	rBV	3587057	3438587	100.00%	6.428%
57	12.968	1849	1850	1855	rVB	95112	64990	1.89%	0.121%
58	13.021	1855	1859	1863	rBV2	96275	165132	4.80%	0.309%
59	13.133	1875	1878	1881	rVB	290253	269033	7.82%	0.503%
60	13.198	1886	1889	1892	rBV	204795	160028	4.65%	0.299%
61	13.233	1892	1895	1898	rBV2	145688	186847	5.43%	0.349%
62	13.292	1903	1905	1908	rVB2	60294	56224	1.64%	0.105%
63	13.327	1909	1911	1914	rBV	64607	51623	1.50%	0.096%
64	13.362	1914	1917	1923	rBV3	84463	128400	3.73%	0.240%
65	13.645	1963	1965	1972	rVB	128936	121832	3.54%	0.228%
66	13.751	1980	1983	1985	rBV	129872	117418	3.41%	0.219%
67	13.774	1985	1987	1990	rVV	152654	131343	3.82%	0.246%
68	13.804	1990	1992	1997	rVV2	114111	161271	4.69%	0.301%
69	13.857	1997	2001	2008	rVB3	200336	369142	10.74%	0.690%
70	13.998	2018	2025	2028	rBV2	1285142	2005549	58.32%	3.749%
71	14.027	2028	2030	2038	rVB	825715	776039	22.57%	1.451%

LSC Area Percent Report

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Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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	14.110	2041	2044	2048	rVB	184849	192624	5.60%	0.360%
73	14.157	2049	2052	2057	rBV3	106019	104486	3.04%	0.195%
74	14.351	2083	2085	2087	rBV	55161	49995	1.45%	0.093%
75	14.392	2089	2092	2095	rVB	116501	113056	3.29%	0.211%
76	14.421	2095	2097	2100	rVB	57935	39489	1.15%	0.074%
77	14.457	2100	2103	2106	rBV2	212217	209190	6.08%	0.391%
78	14.515	2110	2113	2114	rBV	62157	58106	1.69%	0.109%
79	14.704	2143	2145	2149	rBV2	57953	75651	2.20%	0.141%
80	14.762	2151	2155	2165	rVB	374898	488882	14.22%	0.914%
81	14.886	2172	2176	2178	rBV2	63146	78620	2.29%	0.147%
82	15.039	2198	2202	2205	rBV	587435	875554	25.46%	1.637%
83	15.092	2208	2211	2217	rVB	519775	631406	18.36%	1.180%
84	15.145	2217	2220	2225	rBV	90095	98082	2.85%	0.183%
85	15.233	2232	2235	2236	rBV2	41011	39243	1.14%	0.073%
86	15.339	2249	2253	2260	rVB	324742	422326	12.28%	0.789%
87	15.404	2260	2264	2269	rVV	509709	611104	17.77%	1.142%
88	15.462	2269	2274	2290	rVB3	1123553	1832034	53.28%	3.425%
89	15.898	2342	2348	2354	rBV	433419	717320	20.86%	1.341%
90	16.392	2426	2432	2439	rVB2	221948	395402	11.50%	0.739%
91	16.927	2517	2523	2528	rBV	237533	470616	13.69%	0.880%
92	17.103	2547	2553	2557	rBV	49062	105535	3.07%	0.197%
93	17.156	2558	2562	2568	rVB3	40972	85079	2.47%	0.159%
94	17.368	2592	2598	2610	rBV	164903	357690	10.40%	0.669%
95	17.621	2635	2641	2644	rBV	41403	93602	2.72%	0.175%

Sum of corrected areas: 53496242

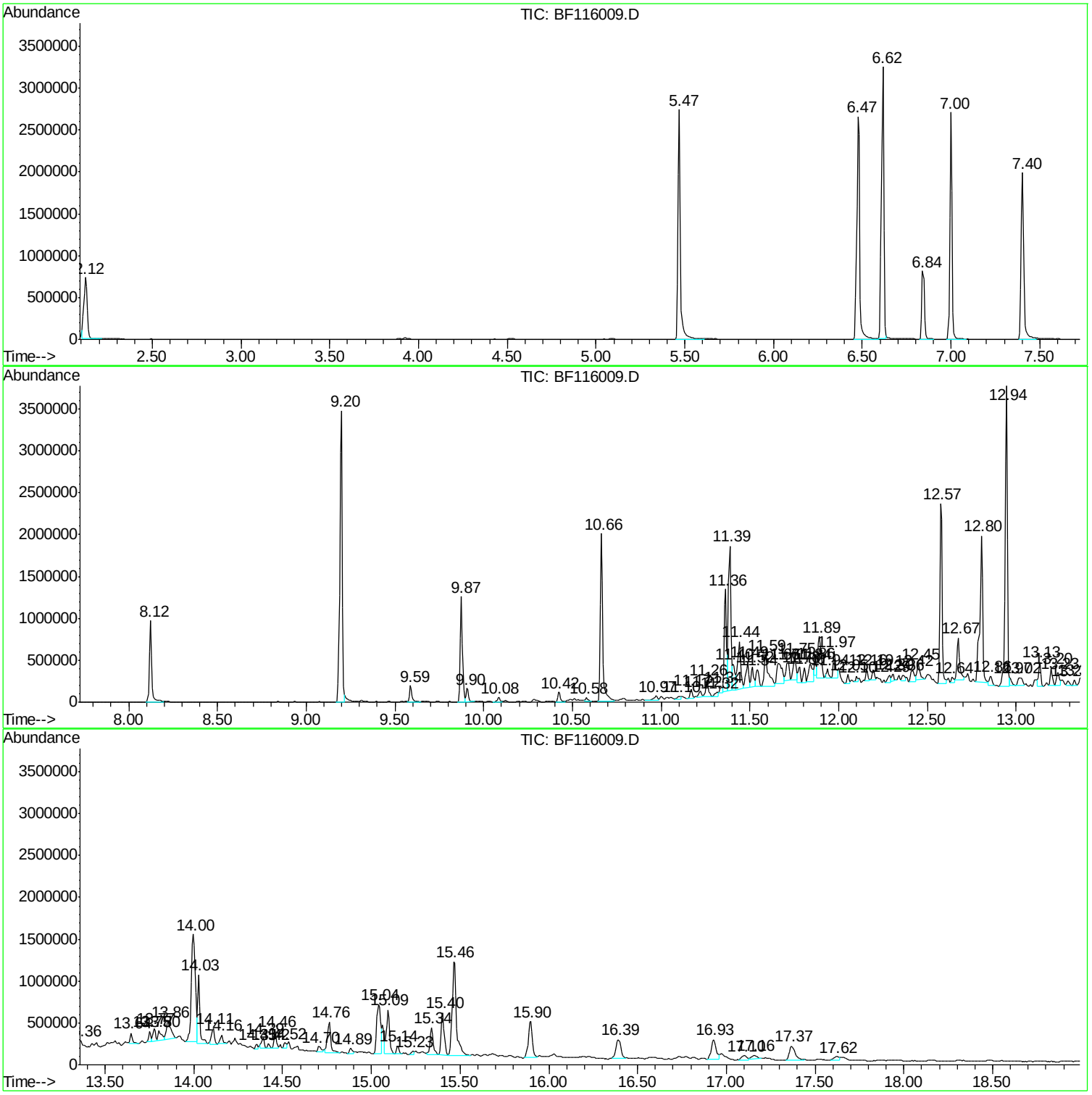
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116009.D
Acq On : 6 Aug 2019 13:29
Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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\BF080619\
Data File : BF116009.D
Acq On : 6 Aug 2019 13:29
Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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

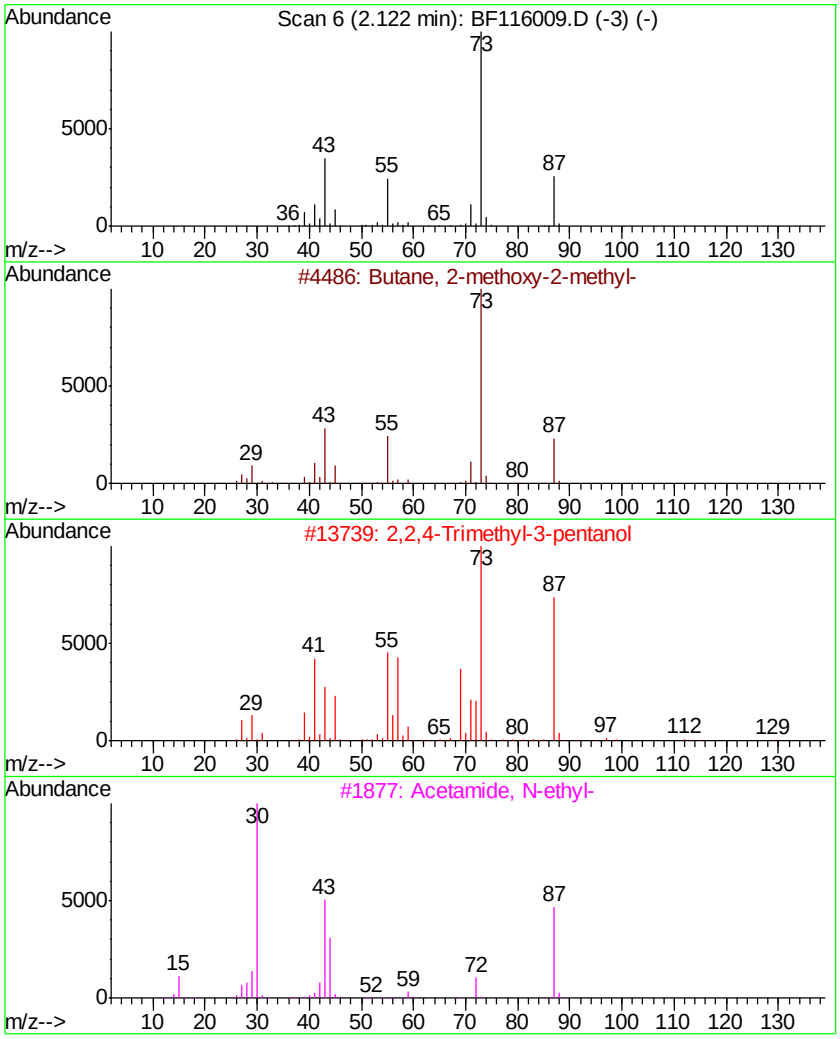
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

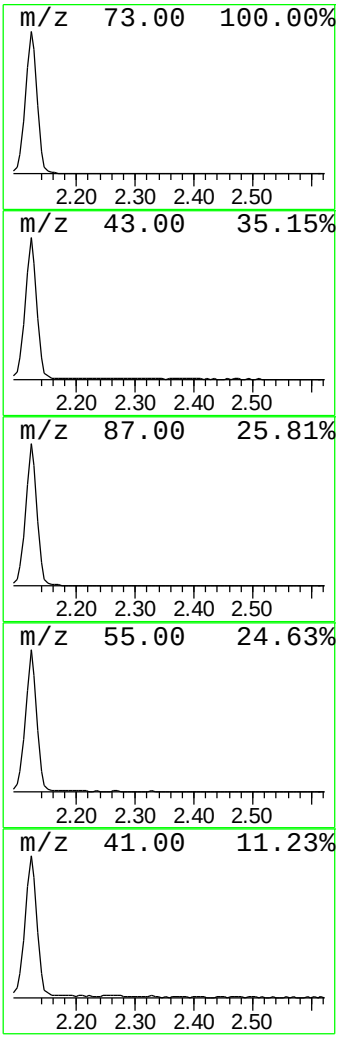
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	25.59 ng	950850	1,4-Dichlorobenzene-d4	6.84

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	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116009.D
Acq On : 6 Aug 2019 13:29
Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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

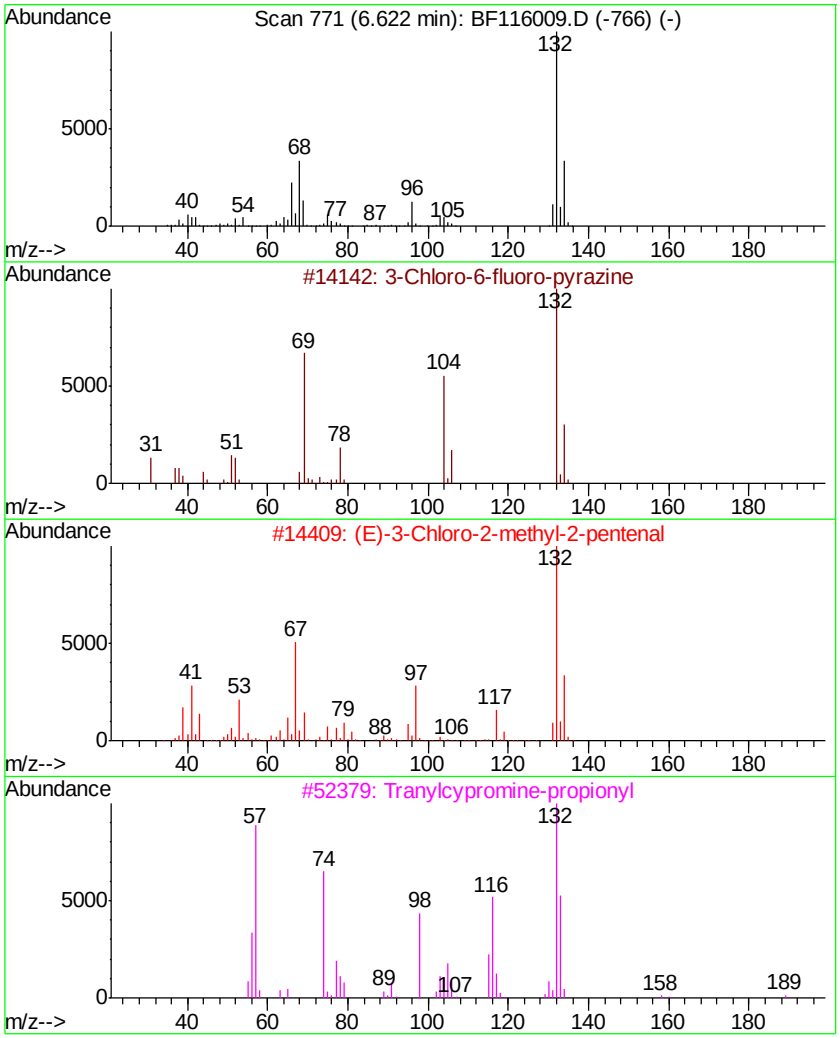
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

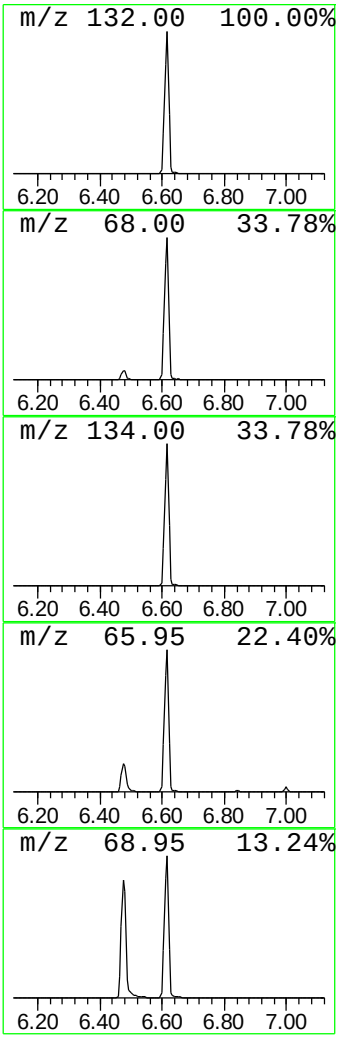
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	78.97 ng	2933780	1,4-Dichlorobenzene-d4	6.84

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	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Operator : HP/JU
Sample : K4135-11
Misc :
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Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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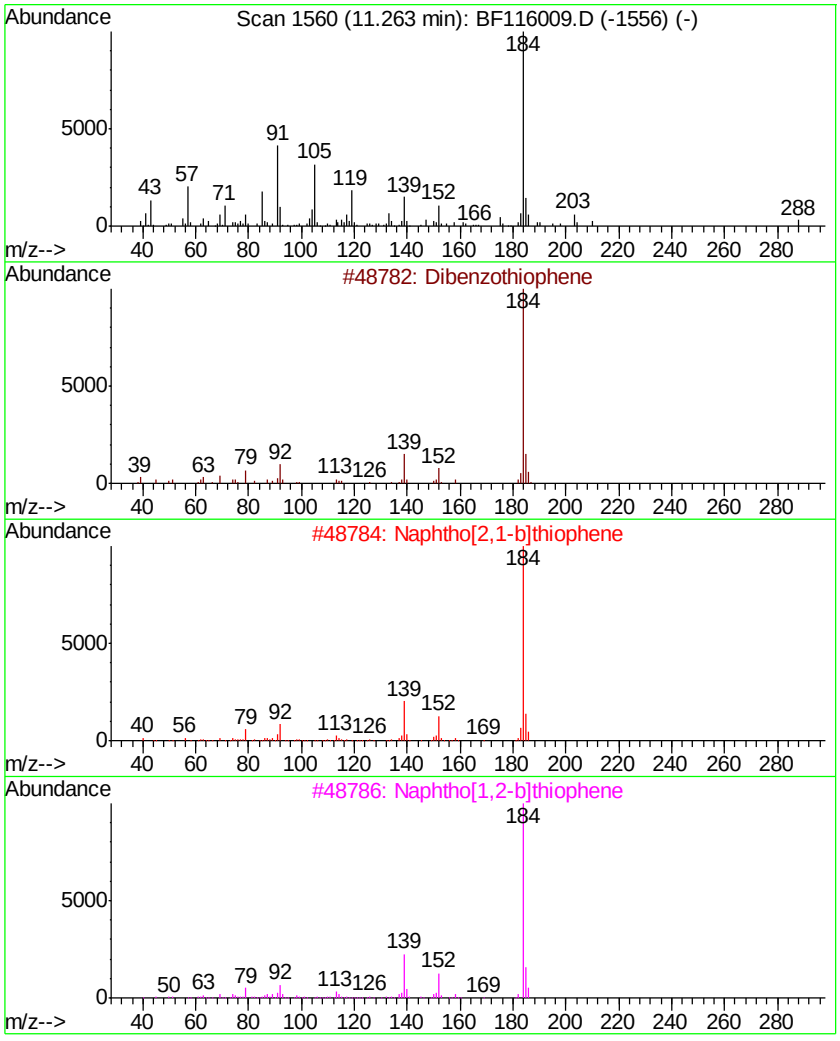
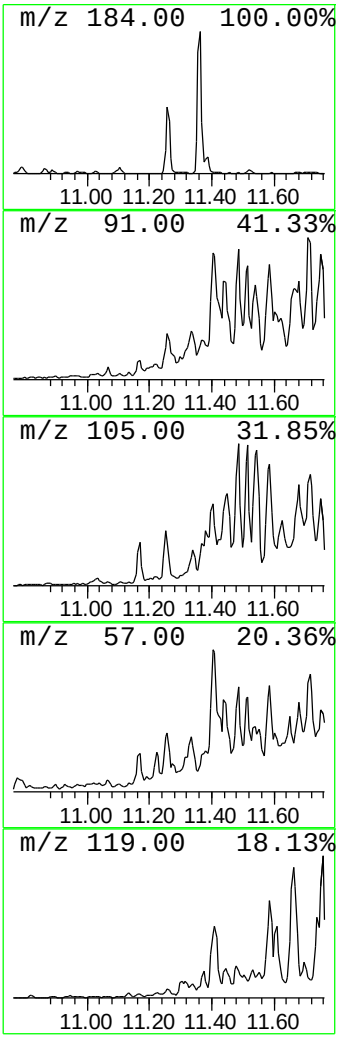
Peak Number 4 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	3.44 ng	213008	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	86
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	70
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	70





Library Search Compound Report

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Data File : BF116009.D
Acq On : 6 Aug 2019 13:29
Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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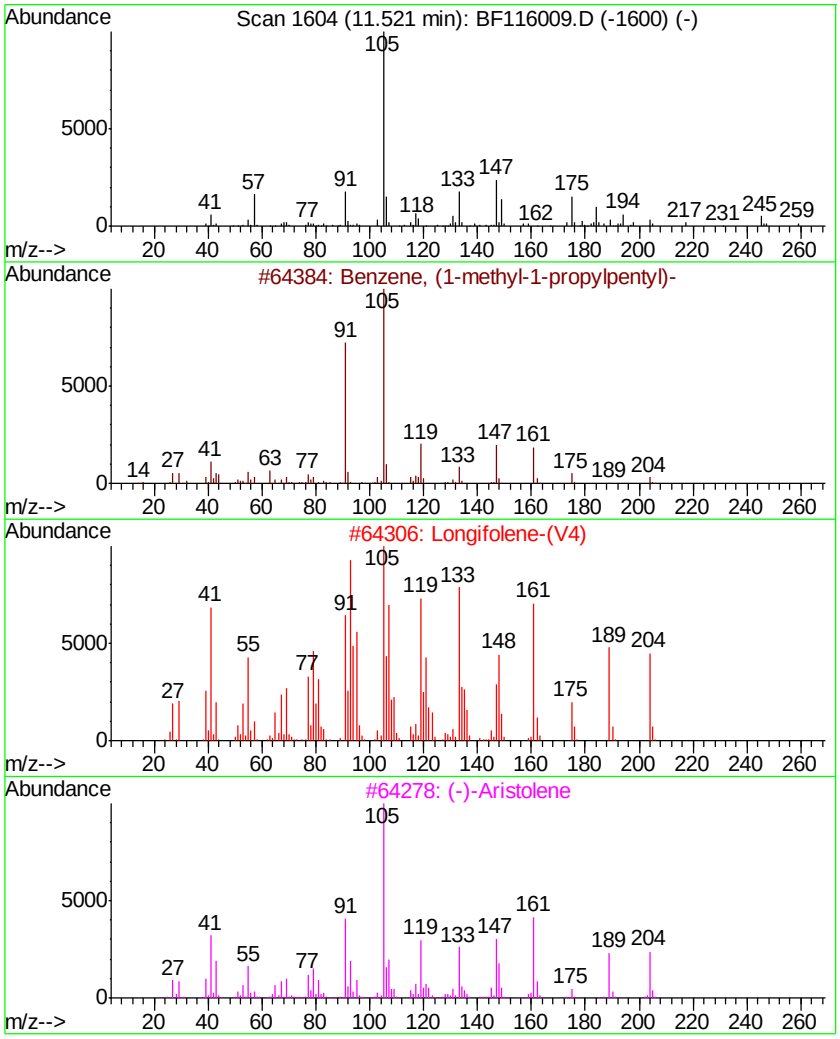
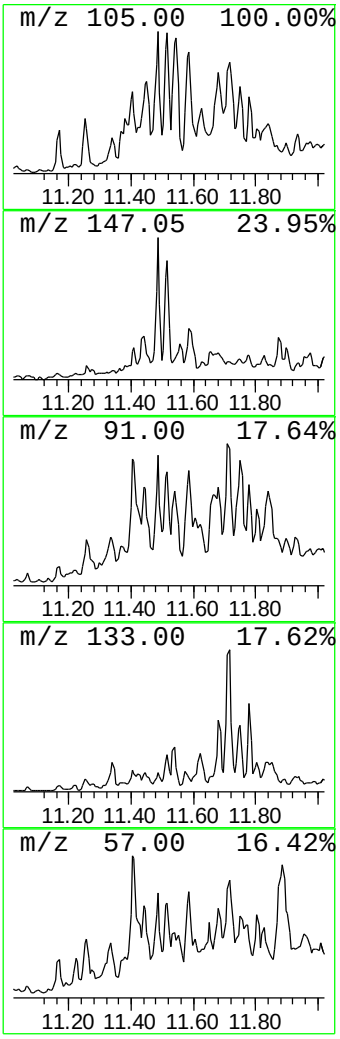
Peak Number 5 unknown11.52 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	3.91 ng	242228	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propylpentyl)-	204	C15H24	054932-91-1	43
2	Longifolene-(V4)	204	C15H24	061262-67-7	37
3	(-)-Aristolene	204	C15H24	006831-16-9	36
4	2-Butene, 1,4-diol-1,4-diphenyl	240	C16H16O2	1000197-44-1	35
5	Caryophyllene-(I1)	204	C15H24	1000158-18-5	28





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116009.D
Acq On : 6 Aug 2019 13:29
Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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

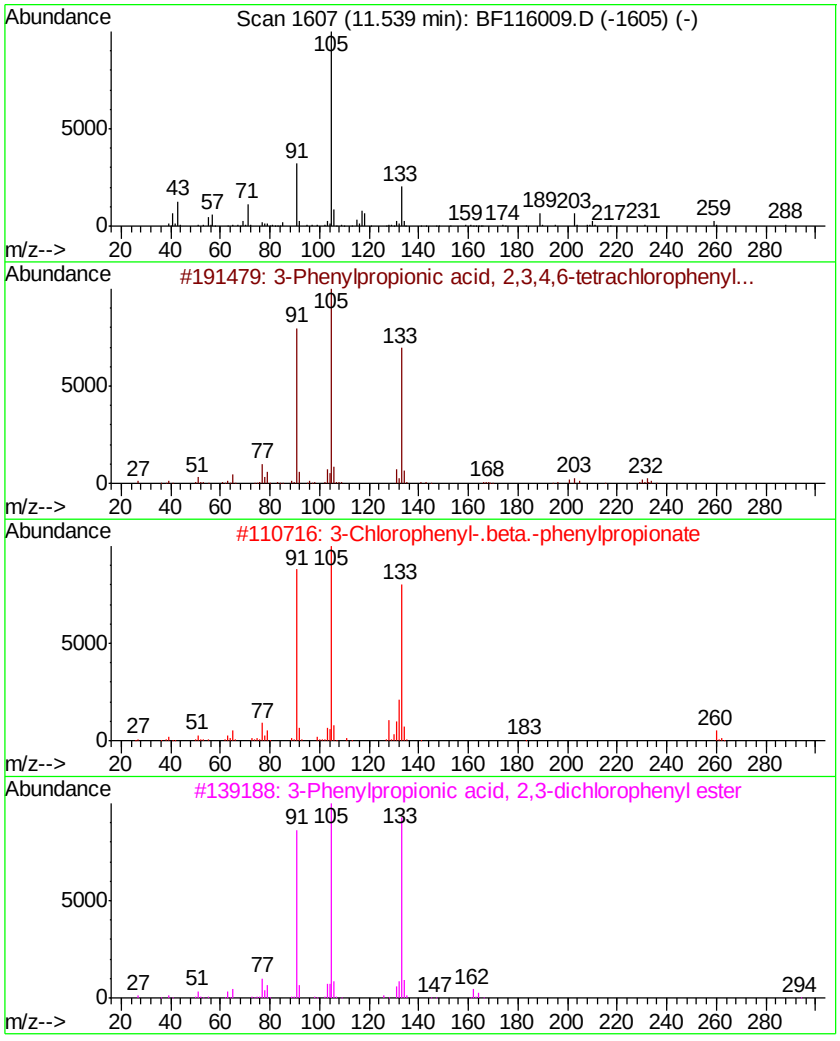
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

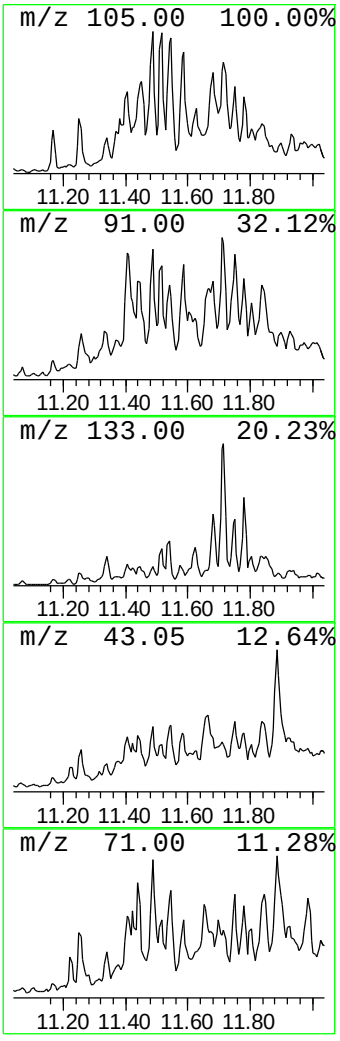
****

Peak Number 6 unknown11.54 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	3.95 ng	244846	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylpropionic acid, 2,3,4,6-...	362	C15H10Cl4O2	1000354-74-6	32
2	3-Chlorophenyl-.beta.-phenylprop...	260	C15H13ClO2	023522-74-9	23
3	3-Phenylpropionic acid, 2,3-dich...	294	C15H12Cl2O2	1000331-06-3	16
4	3-Phenylpropionic acid, 3-fluoro...	244	C15H13FO2	1000331-05-8	16
5	3-Phenylpropionic acid, 3,5-difl...	262	C15H12F2O2	1000299-02-0	16





Library Search Compound Report

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Acq On : 6 Aug 2019 13:29
Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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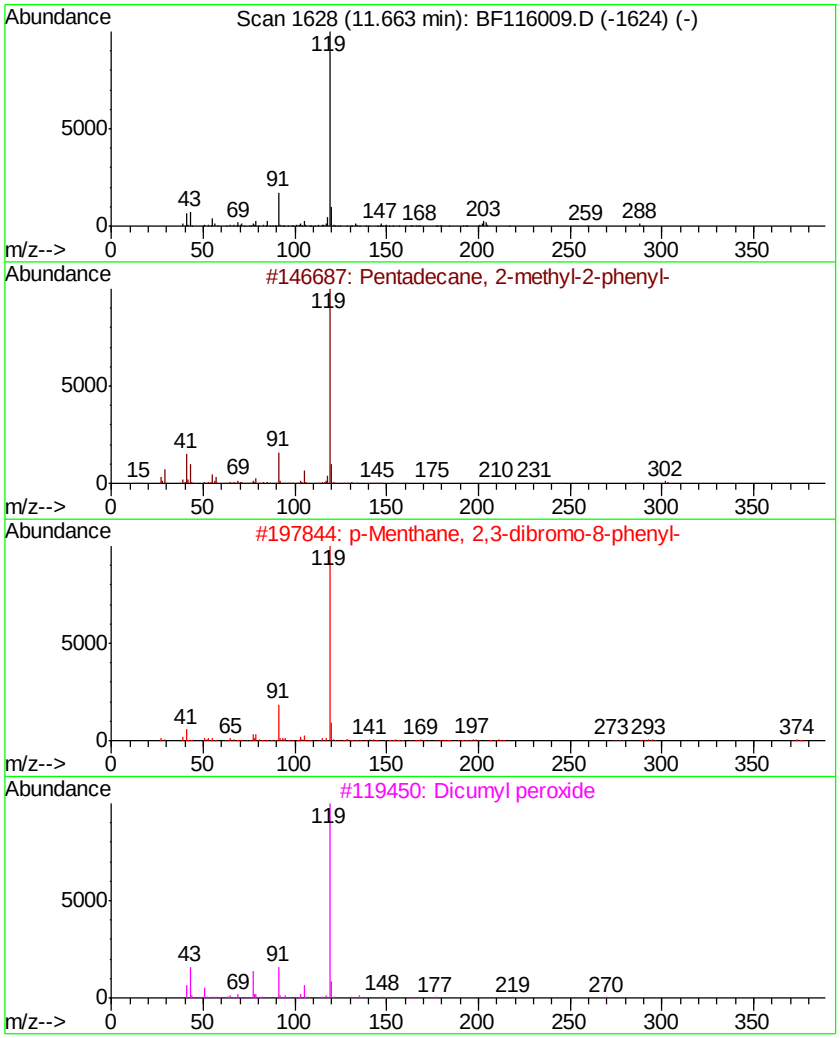
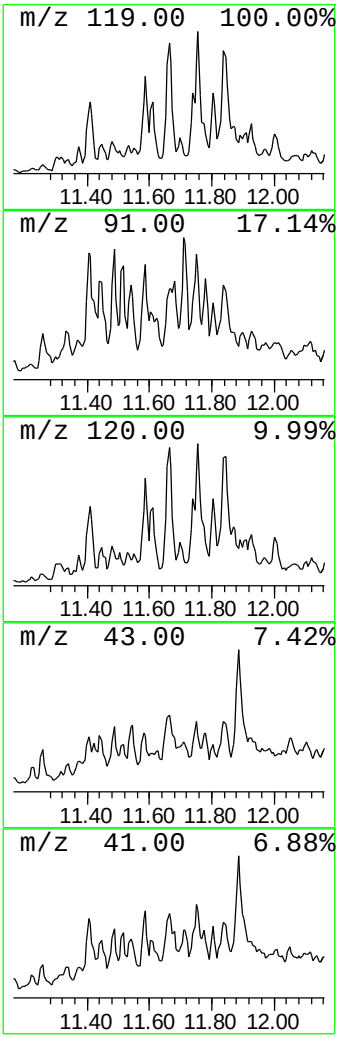
Peak Number 7 Pentadecane, 2-methyl-2-phe... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	7.99 ng	494754	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	72
2	p-Menthane, 2,3-dibromo-8-phenyl-	372	C16H22Br2	1000152-61-6	64
3	Dicumyl peroxide	270	C18H22O2	000080-43-3	64
4	[5-(4-Ethylphenyl)-5-hydroxy-3-t...	376	C20H19F3N2O2	1000311-59-5	56
5	Benzene, (1,1-dimethylnonyl)-	232	C17H28	055191-25-8	56





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Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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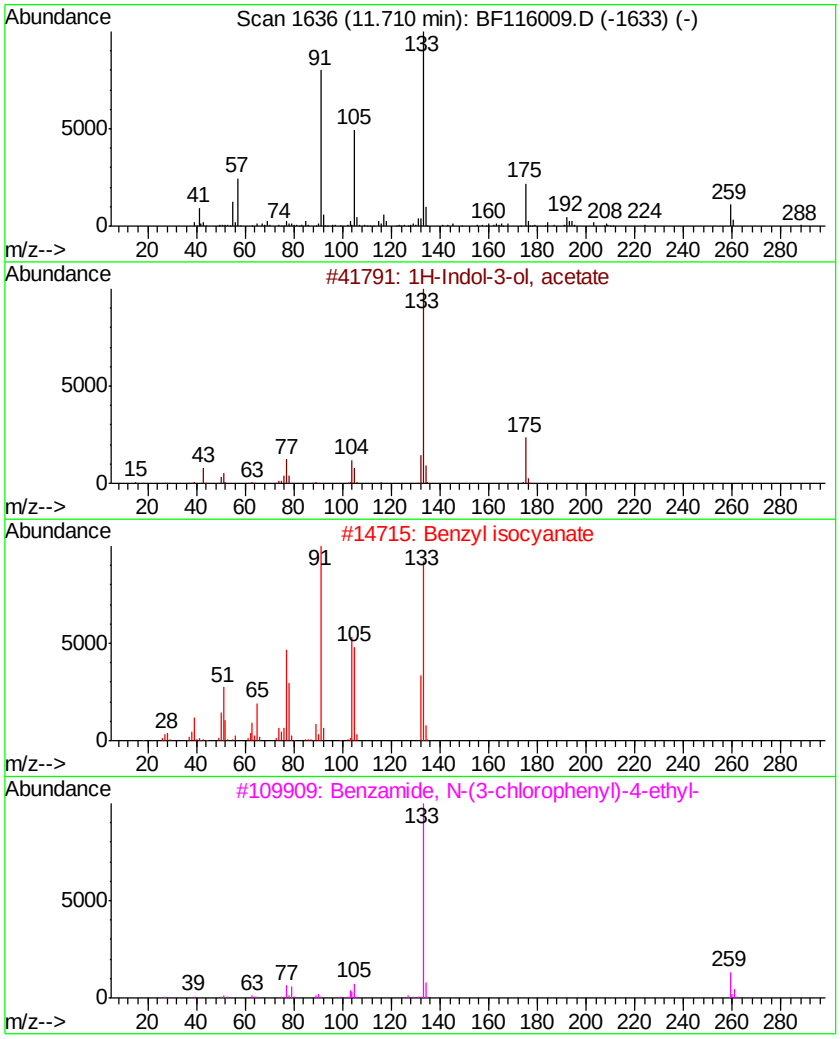
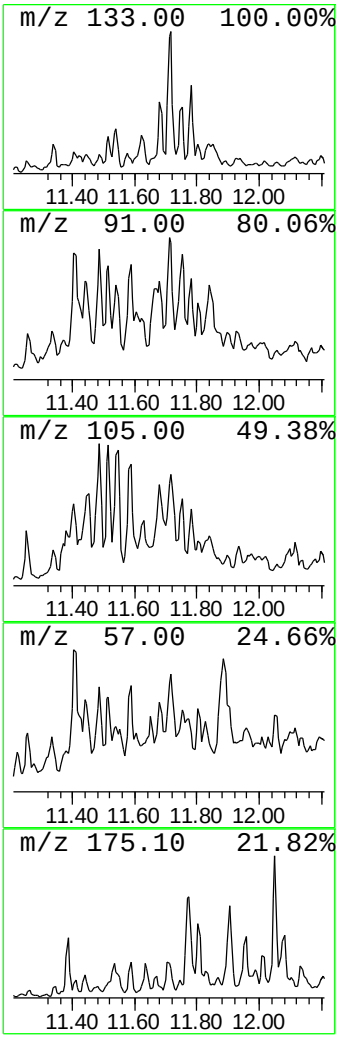
Peak Number 8 1H-Indol-3-ol, acetate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	3.81 ng	236035	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indol-3-ol, acetate	175	C10H9NO2	000608-08-2	53
2	Benzyl isocyanate	133	C8H7NO	003173-56-6	53
3	Benzamide, N-(3-chlorophenyl)-4-...	259	C15H14ClNO	1000307-01-5	50
4	4-tert-Butyltoluene	148	C11H16	000098-51-1	50
5	1H-Inden-2-amine, 2,3-dihydro-	133	C9H11N	002975-41-9	47





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Sample : K4135-11
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Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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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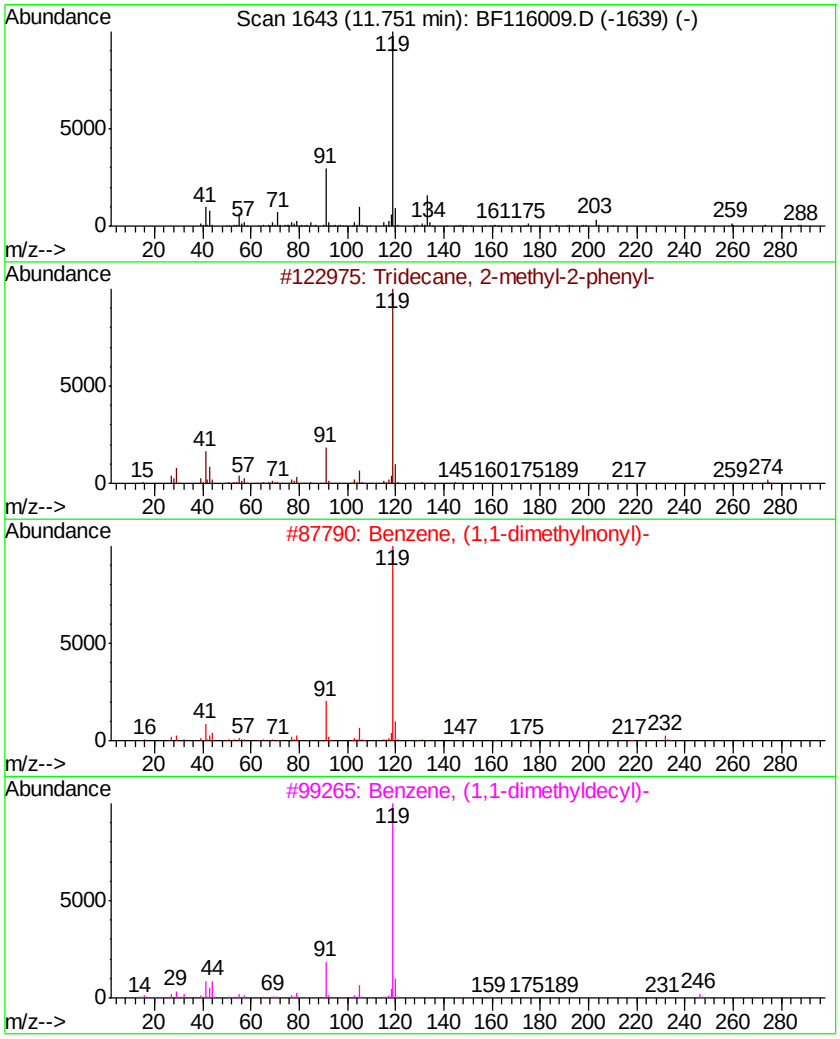
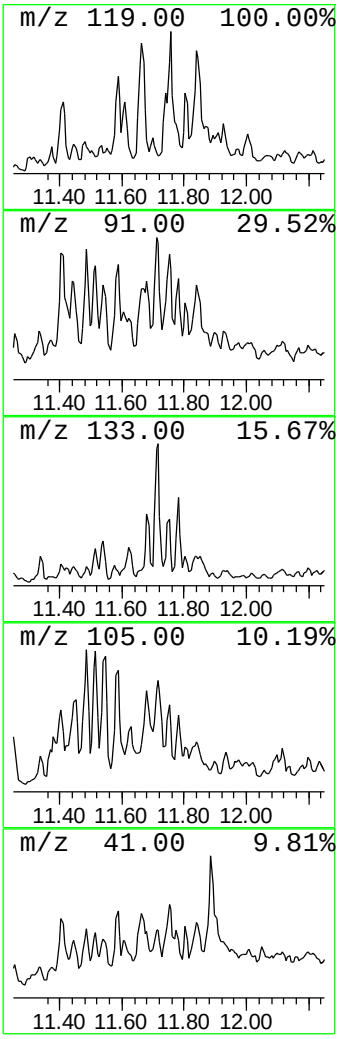
Peak Number 9 Tridecane, 2-methyl-2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	4.72 ng	292637	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-2-phenyl-	274	C20H34	027854-41-7	72
2	Benzene, (1,1-dimethylnonyl)-	232	C17H28	055191-25-8	64
3	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	64
4	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	64
5	Benzene, (1,1,4,6,6-pentamethylh...	246	C18H30	055134-07-1	64





Library Search Compound Report

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Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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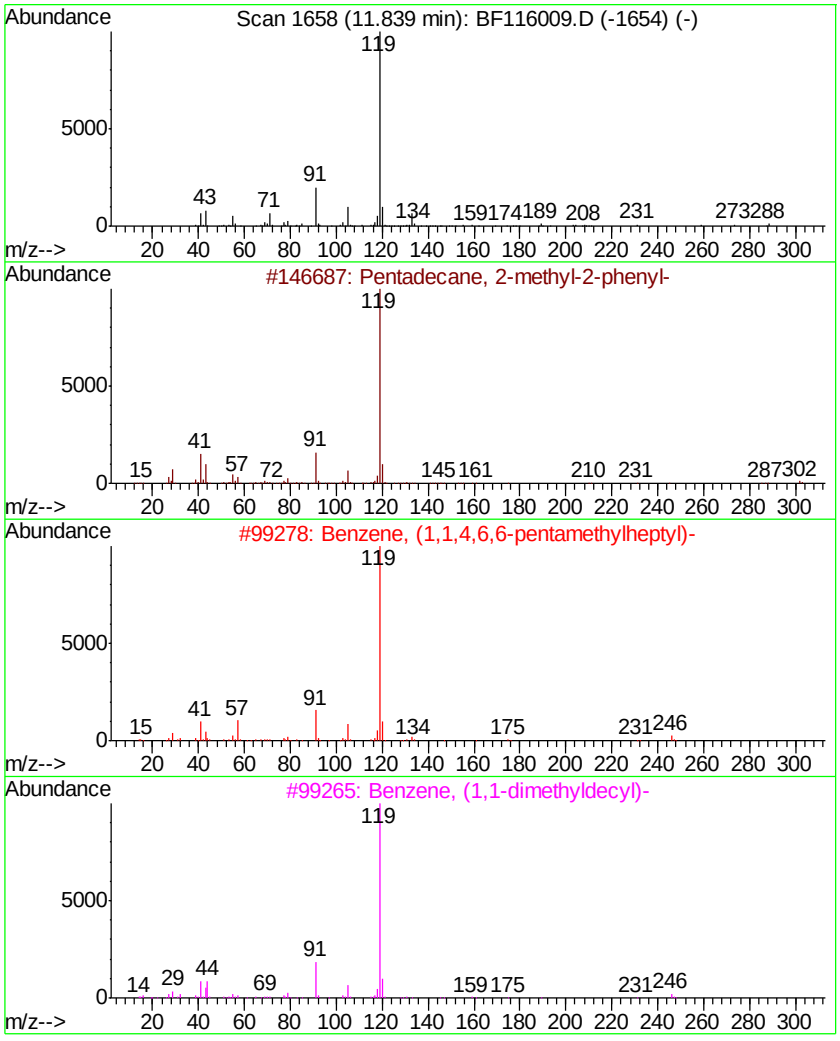
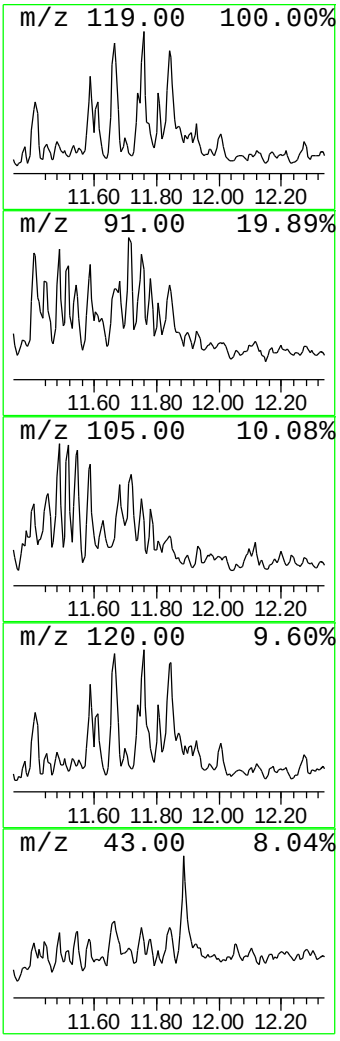
Peak Number 10 Benzene, (1,1,4,6,6-pentame... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	5.43 ng	336447	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	80
2	Benzene, (1,1,4,6,6-pentamethylh...	246	C18H30	055134-07-1	72
3	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	72
4	Benzene, (1,1-dimethylnonyl)-	232	C17H28	055191-25-8	72
5	Dicumyl peroxide	270	C18H22O2	000080-43-3	64





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Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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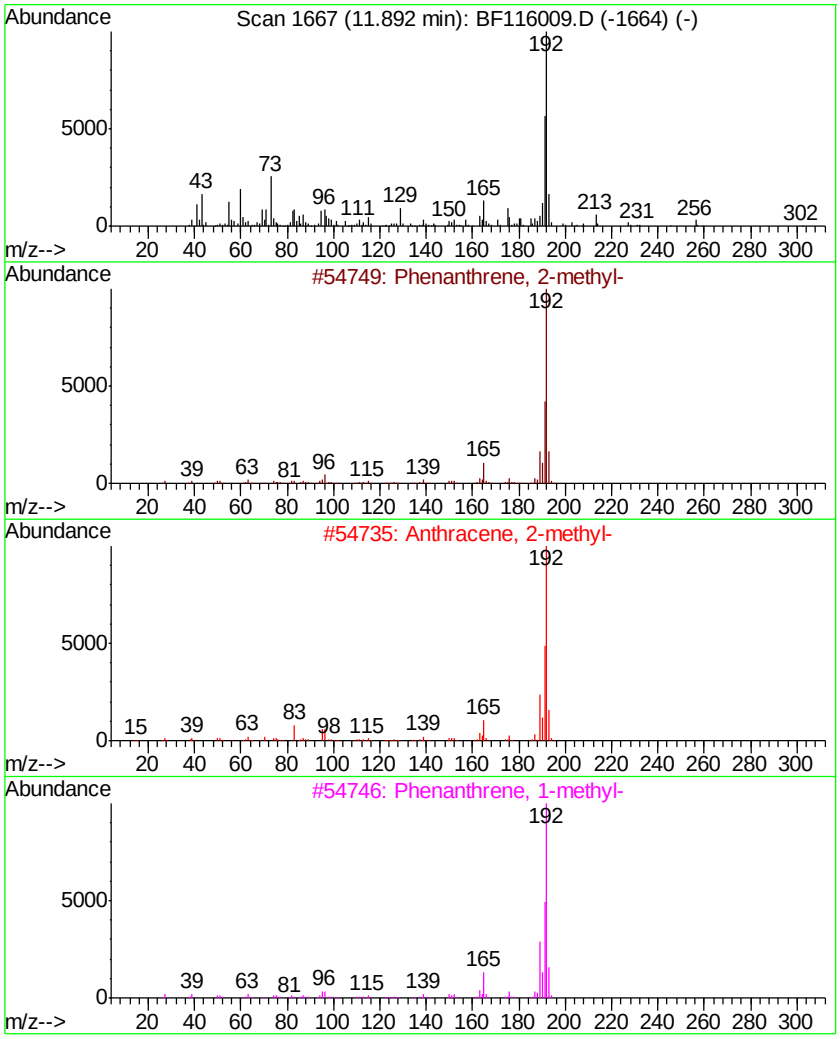
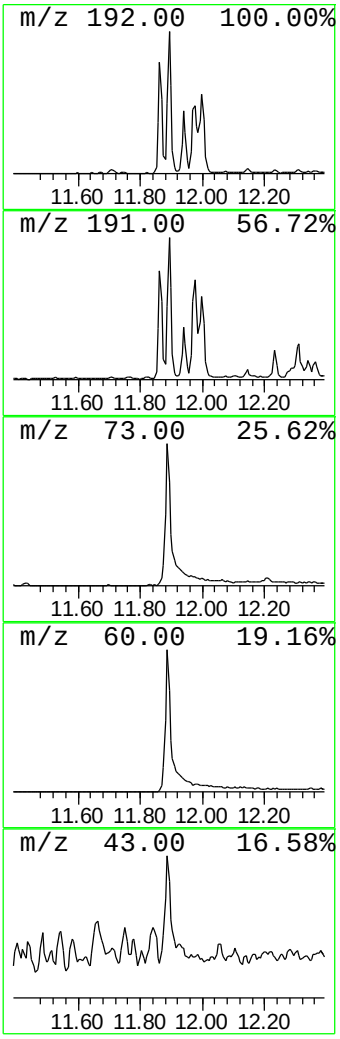
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	9.27 ng	574276	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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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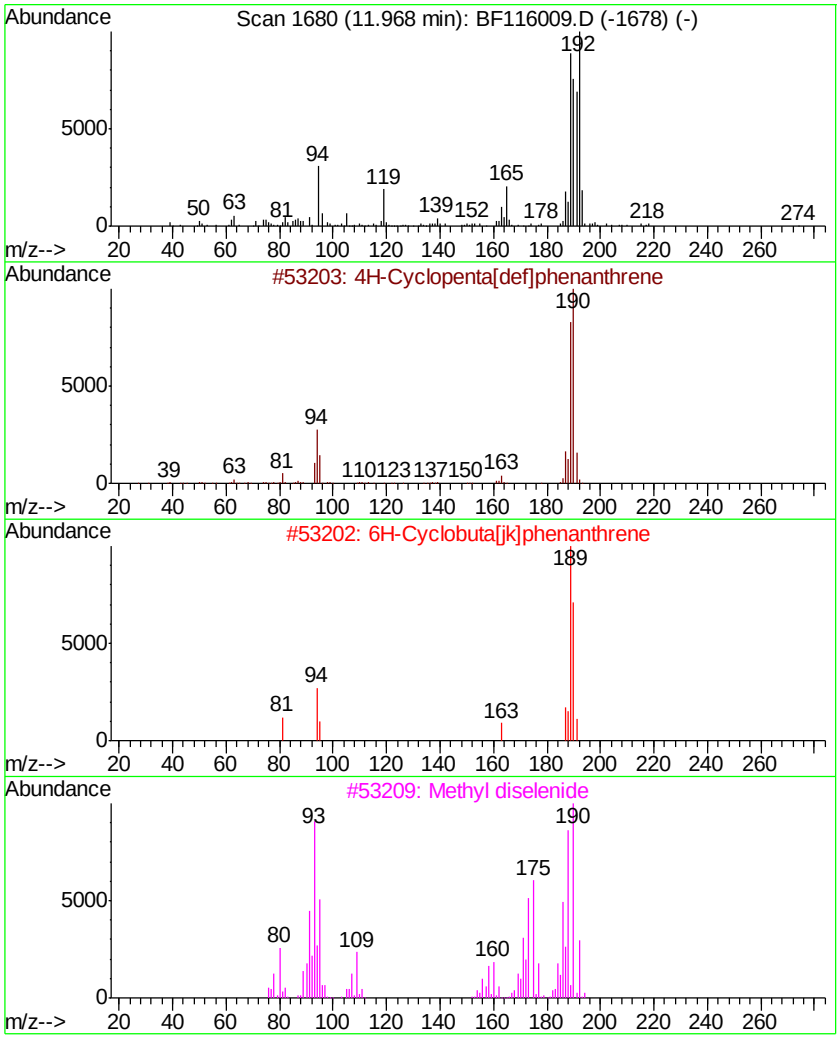
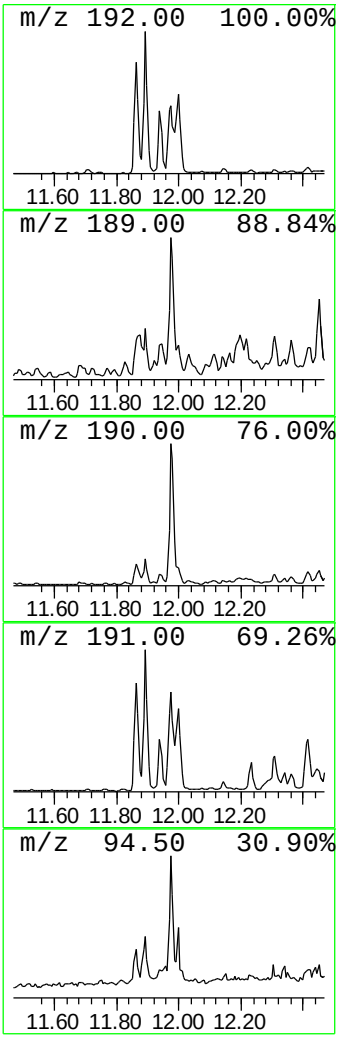
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	5.45 ng	337439	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	41
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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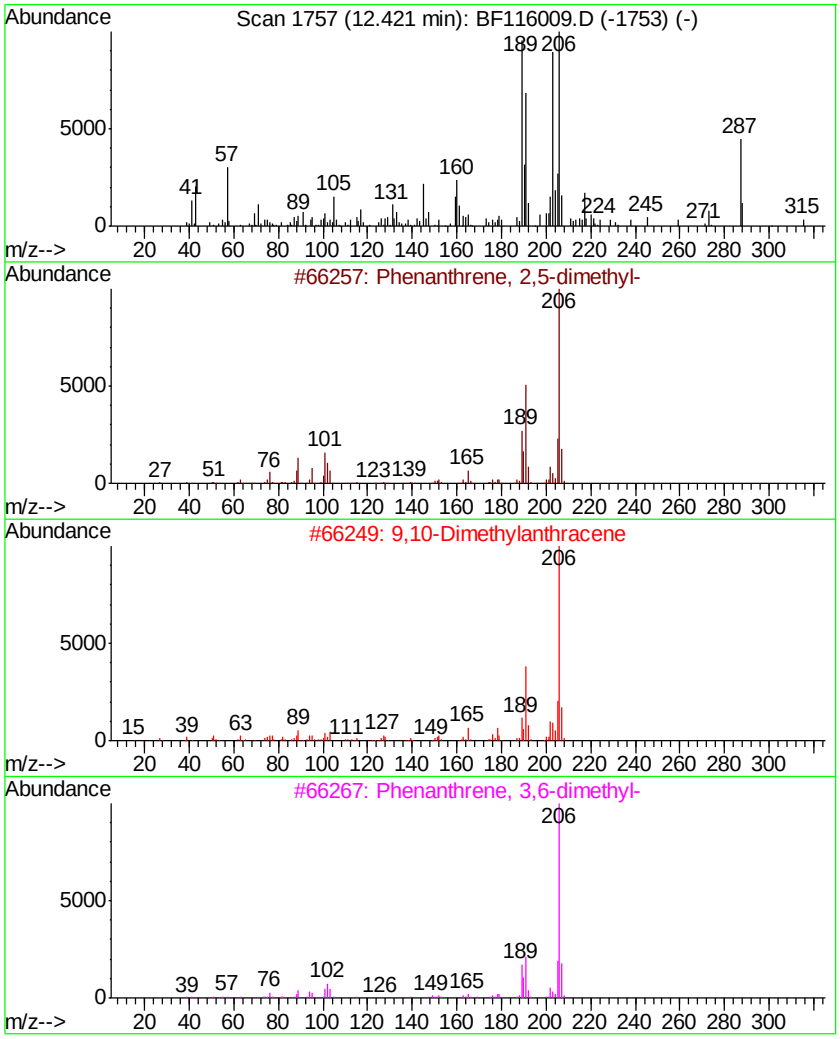
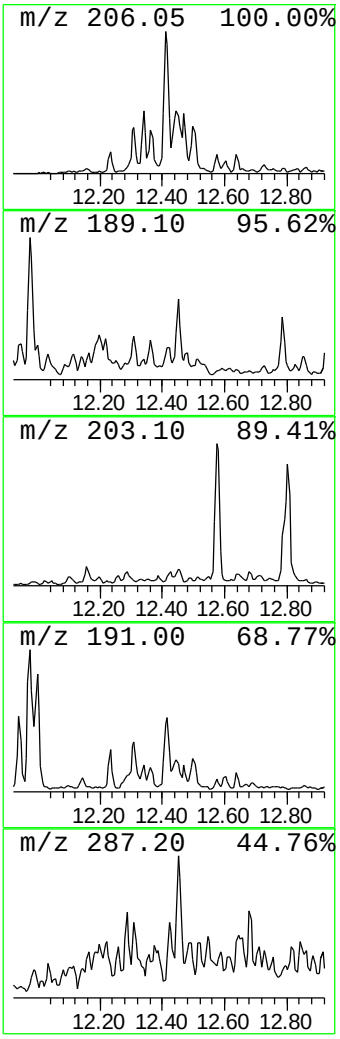
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.20 ng	198065	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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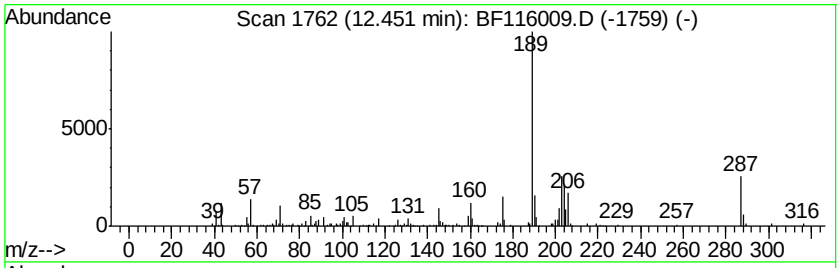
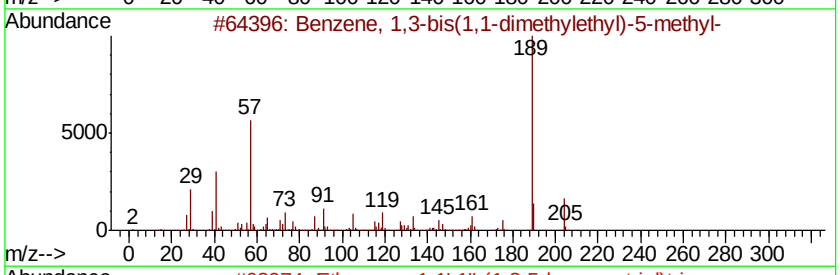
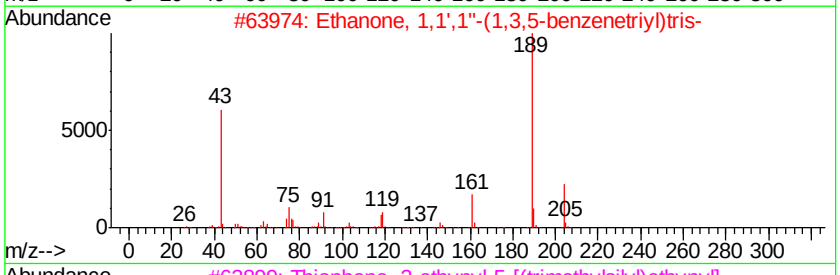
Peak Number 14 unknown12.45 Concentration Rank 19

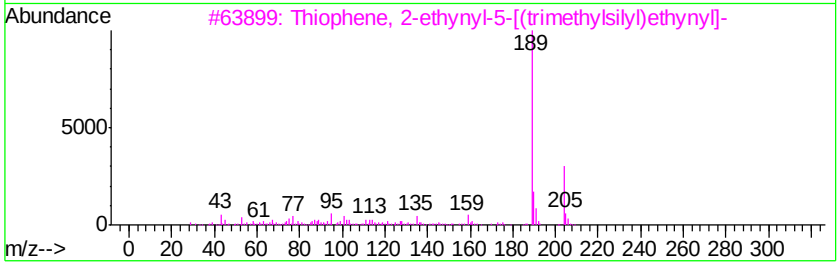
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.41 ng	211082	Phenanthrene-d10	11.36

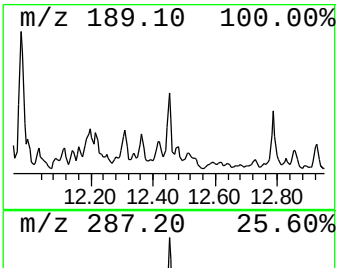
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1,1-dimethyleth...	204	C15H24	015181-11-0	43
2	Ethanone, 1,1',1''-(1,3,5-benzen...	204	C12H12O3	000779-90-8	43
3	Thiophene, 2-ethynyl-5-[(trimeth...	204	C11H12SSi	182323-29-1	43
4	p-Hexylacetophenone	204	C14H20O	037592-72-6	43
5	Ethanone, 1-(2,4,5-triethylphenyl)-	204	C14H20O	002715-54-0	43

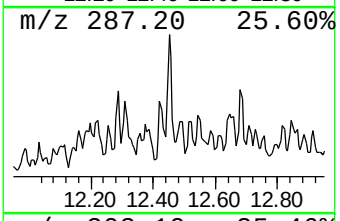


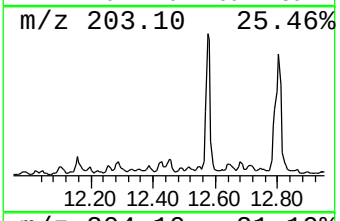


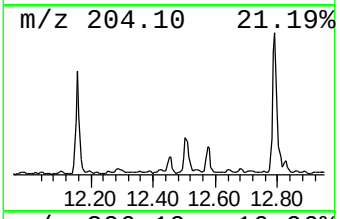


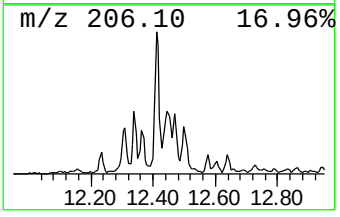












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Data File : BF116009.D
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Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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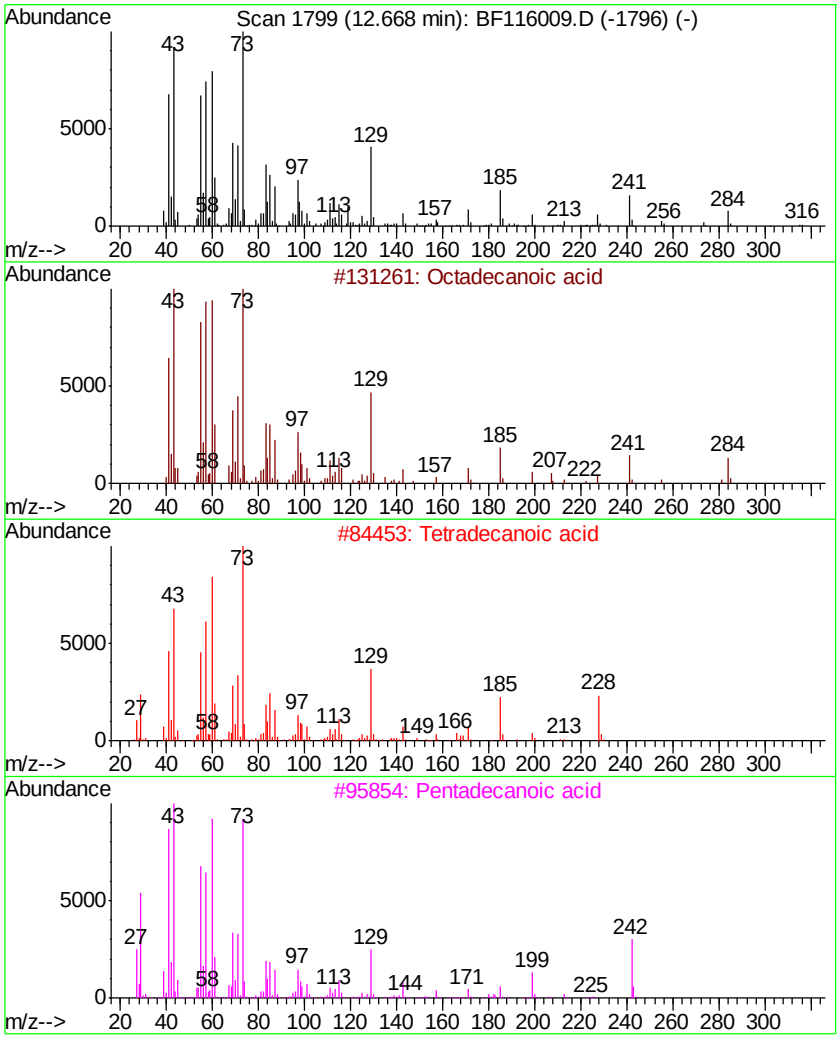
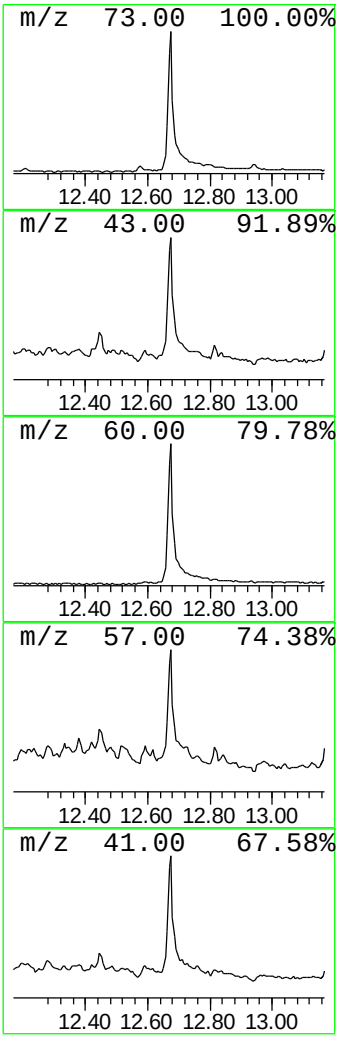
Peak Number 15 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	9.52 ng	589378	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	87
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	68
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
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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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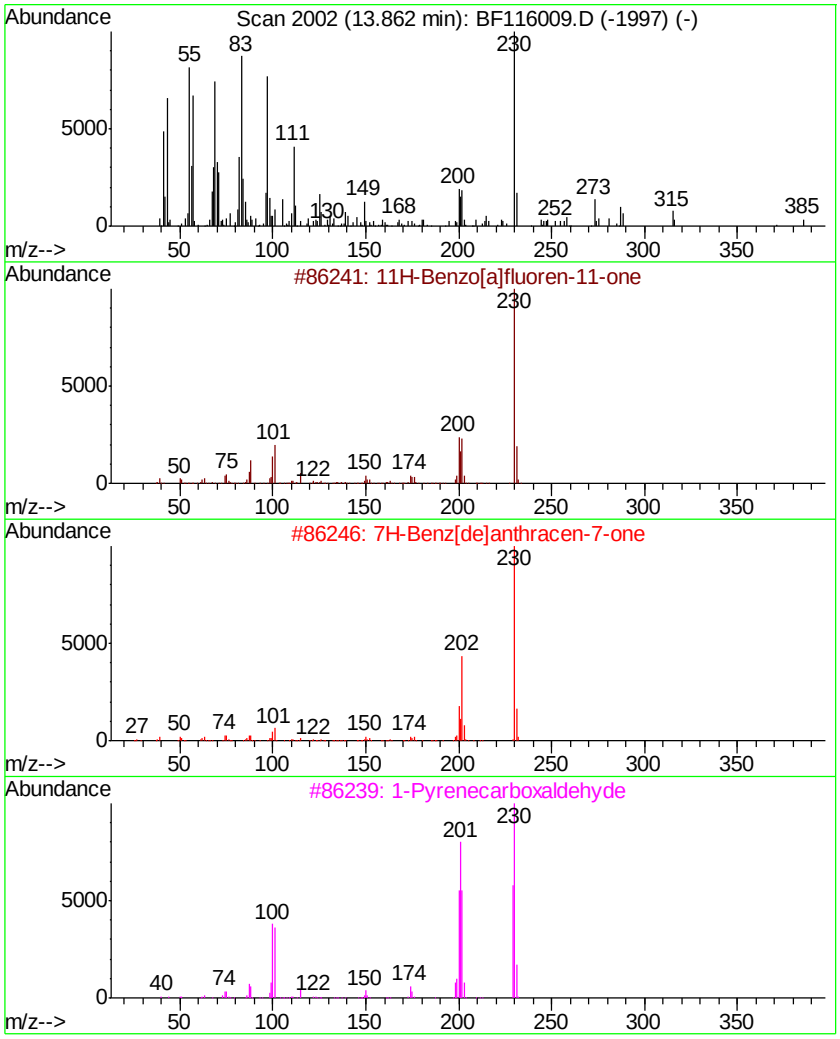
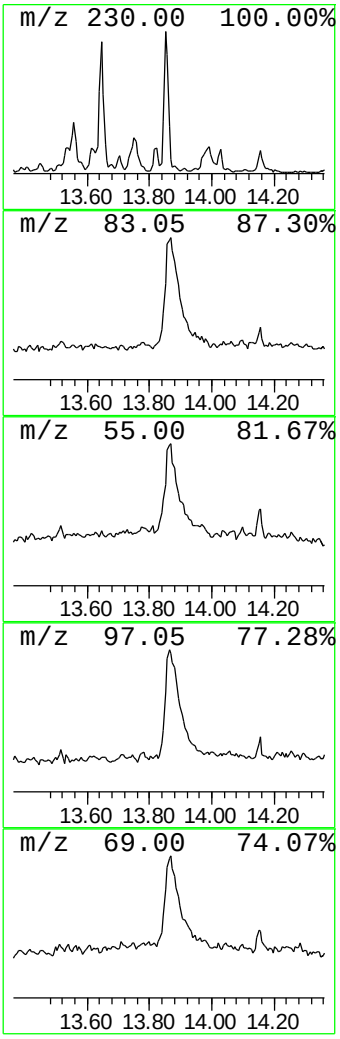
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	3.68 ng	369142	Chrysene-d12	14.00

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	83
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	53
4	p-Terphenyl	230	C18H14	000092-94-4	43
5	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116009.D
Acq On : 6 Aug 2019 13:29
Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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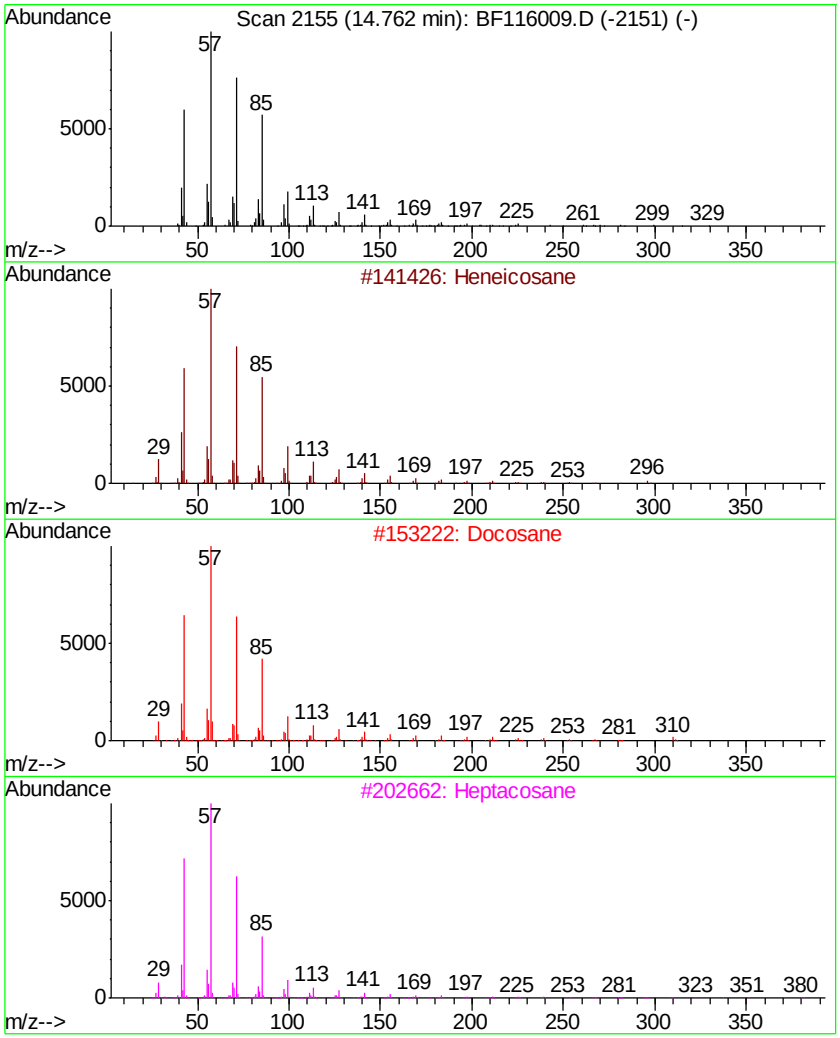
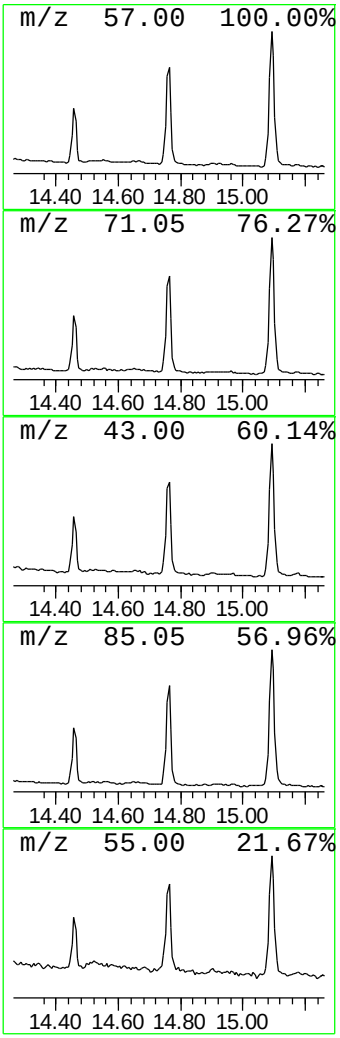
Peak Number 17 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	5.34 ng	488882	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Docosane	310	C22H46	000629-97-0	90
3	Heptacosane	380	C27H56	000593-49-7	87
4	Octadecane	254	C18H38	000593-45-3	87
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116009.D
Acq On : 6 Aug 2019 13:29
Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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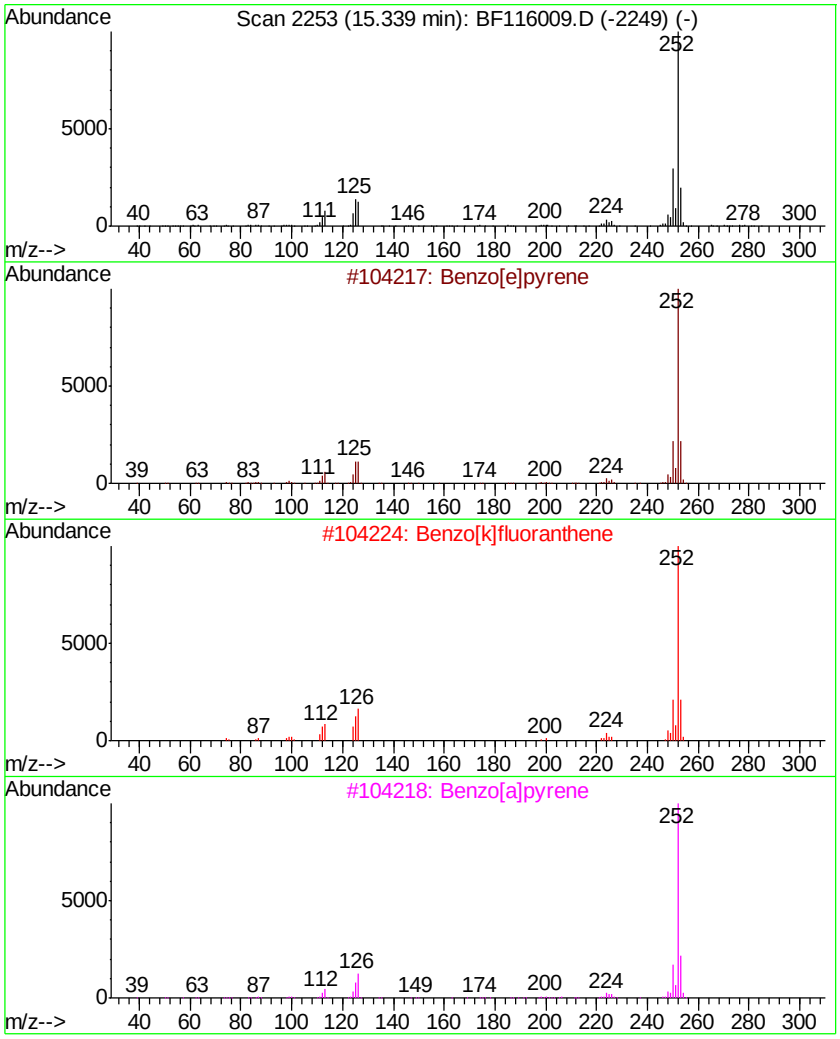
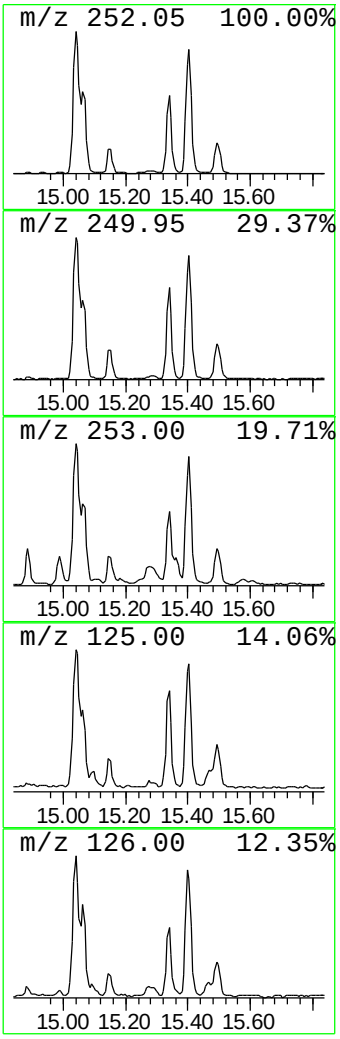
Peak Number 18 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	4.61 ng	422326	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116009.D
Acq On : 6 Aug 2019 13:29
Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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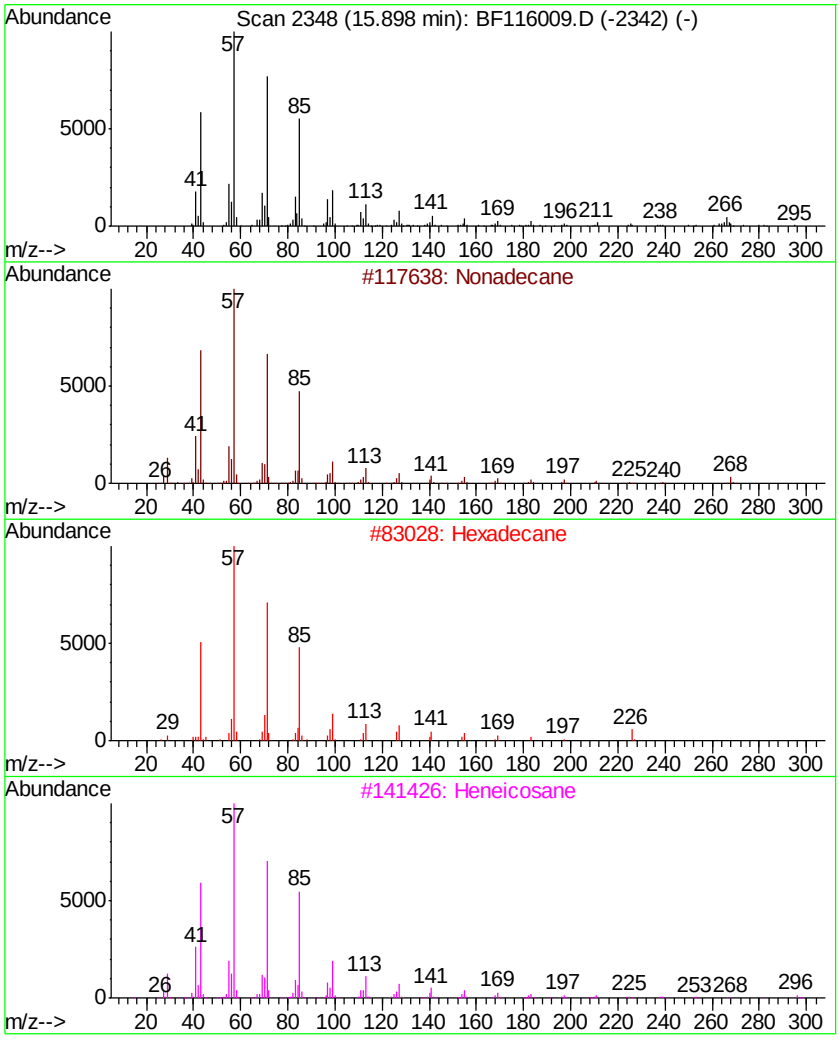
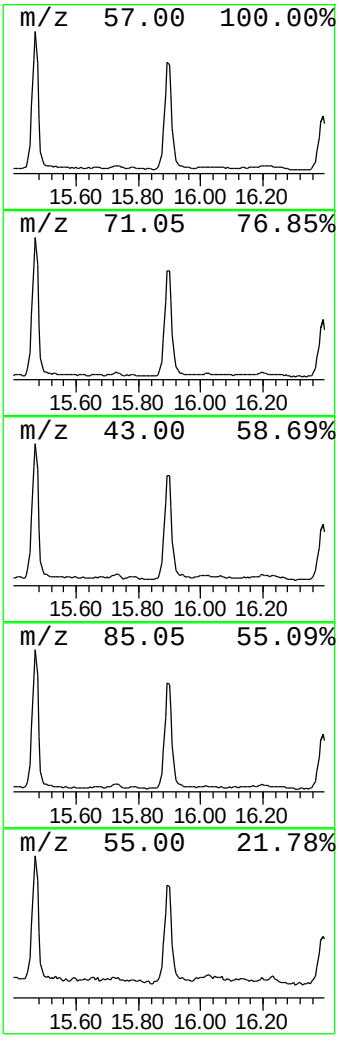
Peak Number 19 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	7.83 ng	717320	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Hexadecane	226	C16H34	000544-76-3	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Eicosane	282	C20H42	000112-95-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116009.D
Acq On : 6 Aug 2019 13:29
Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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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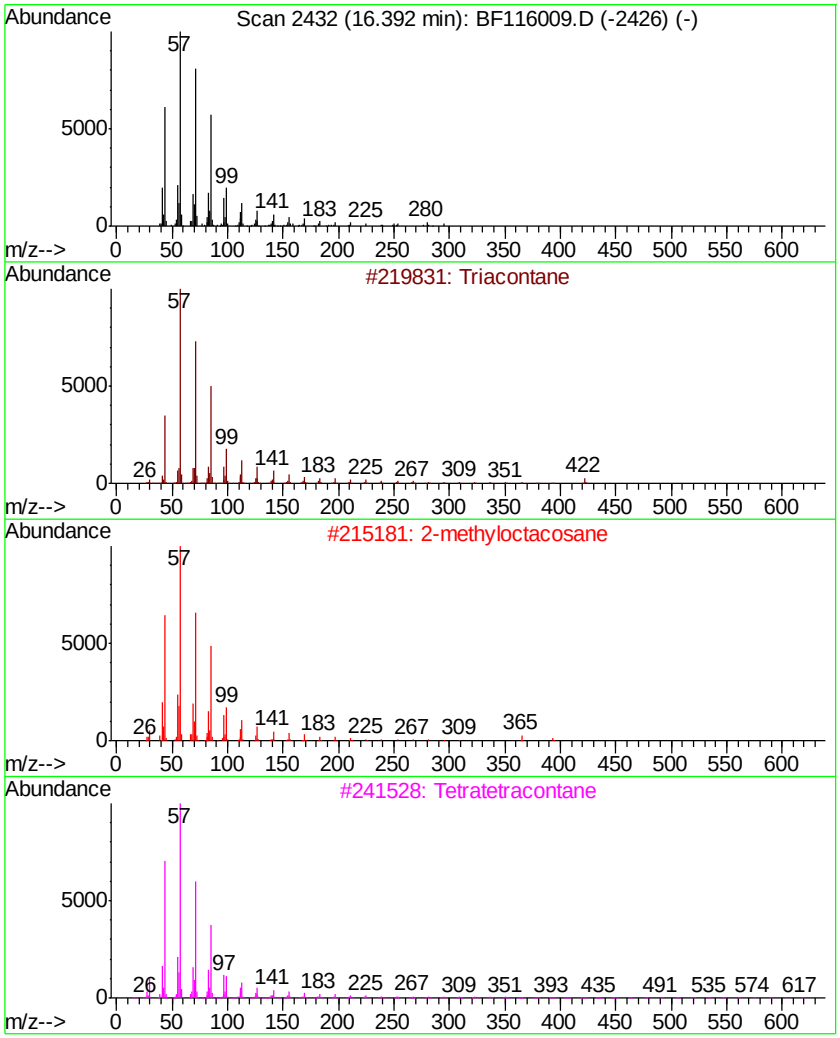
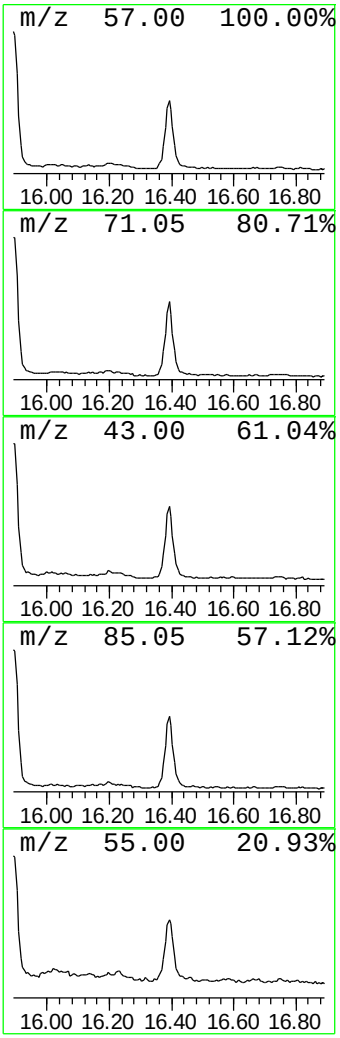
Peak Number 20 Triacontane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	4.32 ng	395402	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080619\
Data File : BF116009.D
Acq On : 6 Aug 2019 13:29
Operator : HP/JU
Sample : K4135-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(0-1)

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...	2.12	25.6	ng	950850	1	6.84	743043	20.0
unknown6.62	6.62	79.0	ng	2933780	1	6.84	743043	20.0
Dibenzothiophene	11.26	3.4	ng	213008	4	11.36	1238770	20.0
unknown11.52	11.52	3.9	ng	242228	4	11.36	1238770	20.0
unknown11.54	11.54	4.0	ng	244846	4	11.36	1238770	20.0
Pentadecane, 2-me...	11.66	8.0	ng	494754	4	11.36	1238770	20.0
1H-Indol-3-ol, ac...	11.71	3.8	ng	236035	4	11.36	1238770	20.0
Tridecane, 2-meth...	11.75	4.7	ng	292637	4	11.36	1238770	20.0
Benzene, (1,1,4,6...	11.84	5.4	ng	336447	4	11.36	1238770	20.0
Phenanthrene, 2-m...	11.89	9.3	ng	574276	4	11.36	1238770	20.0
4H-Cyclopenta[def...	11.97	5.5	ng	337439	4	11.36	1238770	20.0
9,10-Dimethylanth...	12.42	3.2	ng	198065	4	11.36	1238770	20.0
unknown12.45	12.45	3.4	ng	211082	4	11.36	1238770	20.0
Octadecanoic acid	12.67	9.5	ng	589378	4	11.36	1238770	20.0
11H-Benzo[a]fluor...	13.86	3.7	ng	369142	5	14.00	2005550	20.0
Heneicosane	14.76	5.3	ng	488882	6	15.46	1832030	20.0
Benzo[e]pyrene	15.34	4.6	ng	422326	6	15.46	1832030	20.0
Nonadecane	15.90	7.8	ng	717320	6	15.46	1832030	20.0
Triacontane	16.39	4.3	ng	395402	6	15.46	1832030	20.0