LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118347.D
Acq On : 27 Dec 2019 19:37
Operator : JU
Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

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-BF122419.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	5.057	501	505	518	rVB	444156	552878	15.68%	0.871%
2	5.469	571	575	592	rBV	2886122	2717018	77.04%	4.280%
3	6.487	743	748	763	rBV	2896844	2921764	82.84%	4.603%
4	6.622	767	771	774	rBV	3575407	3107882	88.12%	4.896%
5	6.851	806	810	817	rVB	1008240	812681	23.04%	1.280%
6	7.010	833	837	840	rBV	2788115	2422282	68.68%	3.816%
7	7.416	902	906	909	rBV	1980101	1737193	49.26%	2.737%
8	8.139	1025	1029	1031	rBV	1135505	1025253	29.07%	1.615%
9	8.157	1031	1032	1036	rVB	189512	135042	3.83%	0.213%
10	8.851	1147	1150	1158	rBV	276604	253167	7.18%	0.399%
11	8.951	1163	1167	1171	rBV	337584	291941	8.28%	0.460%
12	9.216	1208	1212	1215	rBV	4415325	3526876	100.00%	5.556%
13	9.316	1227	1229	1235	rVB2	102383	125572	3.56%	0.198%
14	9.486	1253	1258	1261	rBV	181754	238564	6.76%	0.376%
15	9.557	1266	1270	1272	rVV	335618	339280	9.62%	0.534%
16	9.581	1272	1274	1276	rVV	184866	164980	4.68%	0.260%
17	9.610	1276	1279	1286	rVV	267576	289987	8.22%	0.457%
18	9.675	1286	1290	1299	rVB	180990	214860	6.09%	0.338%
19	9.757	1301	1304	1310	rVB	294150	268588	7.62%	0.423%
20	9.898	1325	1328	1331	rVB	1382759	1097113	31.11%	1.728%
21	9.933	1331	1334	1337	rVB	607585	533770	15.13%	0.841%
22	10.004	1343	1346	1350	rVB2	84466	103188	2.93%	0.163%
23	10.104	1359	1363	1366	rVV2	394318	384505	10.90%	0.606%
24	10.139	1366	1369	1373	rVB	140284	125478	3.56%	0.198%
25	10.216	1378	1382	1385	rBV2	136684	151094	4.28%	0.238%
26	10.304	1393	1397	1399	rBV2	84779	108103	3.07%	0.170%
27	10.451	1418	1422	1428	rVB	820544	755764	21.43%	1.191%
28	10.516	1428	1433	1434	rBV	79298	108728	3.08%	0.171%
29	10.604	1445	1448	1451	rVB	139304	129934	3.68%	0.205%
30	10.692	1456	1463	1469	rBV	2437919	2310864	65.52%	3.640%
31	10.816	1478	1484	1489	rVB5	104593	171631	4.87%	0.270%
32	10.998	1510	1515	1518	rBV2	201902	250602	7.11%	0.395%
33	11.027	1518	1520	1523	rVV	148443	129442	3.67%	0.204%
34	11.080	1527	1529	1532	rVB	124854	102844	2.92%	0.162%

LSC Area Percent Report

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Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.127	1532	1537	1539	rBV3	67600	110523	3.13%	0.174%
36	11.245	1553	1557	1560	rVV2	78500	107548	3.05%	0.169%
37	11.286	1560	1564	1571	rVB	368633	353964	10.04%	0.558%
38	11.392	1578	1582	1584	rBV	1204074	1103478	31.29%	1.738%
39	11.422	1584	1587	1590	rVV	3859590	3204051	90.85%	5.047%
40	11.469	1590	1595	1598	rVV	987685	863643	24.49%	1.361%
41	11.504	1598	1601	1603	rVV2	122364	147103	4.17%	0.232%
42	11.627	1617	1622	1627	rVV	251795	310258	8.80%	0.489%
43	11.686	1628	1632	1634	rVV2	100538	105451	2.99%	0.166%
44	11.722	1636	1638	1643	rVB2	212028	219467	6.22%	0.346%
45	11.810	1650	1653	1657	rVB	148700	160997	4.56%	0.254%
46	11.892	1664	1667	1669	rVV	545570	550786	15.62%	0.868%
47	11.922	1669	1672	1677	rVB2	845027	947967	26.88%	1.493%
48	11.974	1677	1681	1683	rBV	227037	206676	5.86%	0.326%
49	12.010	1683	1687	1689	rVV2	913426	958836	27.19%	1.510%
50	12.033	1689	1691	1696	rVB	386175	328382	9.31%	0.517%
51	12.192	1715	1718	1720	rVV	290839	263013	7.46%	0.414%
52	12.222	1720	1723	1729	rVB	175085	205283	5.82%	0.323%
53	12.374	1746	1749	1751	rBV	169185	150134	4.26%	0.237%
54	12.398	1751	1753	1755	rVB2	145385	115080	3.26%	0.181%
55	12.445	1755	1761	1764	rBV	480501	640756	18.17%	1.009%
56	12.486	1764	1768	1770	rVV3	324309	406698	11.53%	0.641%
57	12.539	1773	1777	1781	rBV3	158000	267077	7.57%	0.421%
58	12.616	1786	1790	1793	rBV	3164570	2697870	76.49%	4.250%
59	12.704	1802	1805	1809	rBV2	161081	166615	4.72%	0.262%
60	12.763	1812	1815	1818	rBV	188129	178411	5.06%	0.281%
61	12.845	1822	1829	1835	rBV	2677255	2805942	79.56%	4.420%
62	12.892	1835	1837	1841	rVB2	174477	192225	5.45%	0.303%
63	12.980	1845	1852	1855	rBV	3265577	3173365	89.98%	4.999%
64	13.004	1855	1856	1859	rVB	166110	109616	3.11%	0.173%
65	13.063	1861	1866	1870	rBV2	225373	388850	11.03%	0.613%
66	13.151	1877	1881	1882	rBV2	204151	235359	6.67%	0.371%
67	13.169	1882	1884	1888	rVB	510687	507548	14.39%	0.800%
68	13.239	1888	1896	1899	rBV	500468	524100	14.86%	0.826%
69	13.274	1899	1902	1907	rBV2	367569	392847	11.14%	0.619%
70	13.368	1915	1918	1921	rBV	273689	231027	6.55%	0.364%
71	13.398	1921	1923	1926	rVB	267116	231097	6.55%	0.364%

LSC Area Percent Report

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Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.657	1963	1967	1969	rBV2	123925	163747	4.64%	0.258%
73	13.686	1969	1972	1976	rVB3	160787	175078	4.96%	0.276%
74	13.792	1985	1990	1993	rBV2	311549	396321	11.24%	0.624%
75	13.821	1993	1995	1997	rVB	197538	147954	4.20%	0.233%
76	13.845	1997	1999	2001	rBV	120868	115234	3.27%	0.182%
77	13.874	2001	2004	2007	rBV2	449562	462241	13.11%	0.728%
78	14.045	2028	2033	2036	rBV2	1536614	2330359	66.07%	3.671%
79	14.074	2036	2038	2041	rVV	1129850	874063	24.78%	1.377%
80	14.133	2045	2048	2050	rBV	117723	110570	3.14%	0.174%
81	14.198	2056	2059	2064	rBV4	197920	242845	6.89%	0.383%
82	14.304	2075	2077	2080	rVB3	98808	102957	2.92%	0.162%
83	14.398	2090	2093	2095	rBV	109450	105194	2.98%	0.166%
84	14.433	2095	2099	2103	rVV	401401	495547	14.05%	0.781%
85	14.468	2103	2105	2107	rVV	206583	185776	5.27%	0.293%
86	14.504	2108	2111	2114	rVV3	261092	384102	10.89%	0.605%
87	14.563	2118	2121	2123	rVV	242869	278241	7.89%	0.438%
88	14.580	2123	2124	2128	rVB	203129	157895	4.48%	0.249%
89	15.104	2209	2213	2216	rBV	684692	1009255	28.62%	1.590%
90	15.157	2219	2222	2225	rVV2	214189	230876	6.55%	0.364%
91	15.210	2229	2231	2238	rVB	133431	160260	4.54%	0.252%
92	15.410	2262	2265	2272	rVB	439397	543243	15.40%	0.856%
93	15.480	2272	2277	2282	rBV	713026	963481	27.32%	1.518%
94	15.539	2283	2287	2291	rBV	878239	1069124	30.31%	1.684%
95	15.986	2360	2363	2367	rVB2	157720	218898	6.21%	0.345%
96	16.045	2369	2373	2381	rVB7	124553	286504	8.12%	0.451%
97	16.233	2403	2405	2416	rVB7	121421	247377	7.01%	0.390%
98	16.680	2477	2481	2488	rVB5	128324	236233	6.70%	0.372%
99	17.045	2538	2543	2549	rVB	195214	343894	9.75%	0.542%
100	17.504	2617	2621	2629	rVB	137460	270880	7.68%	0.427%

Sum of corrected areas: 63479060

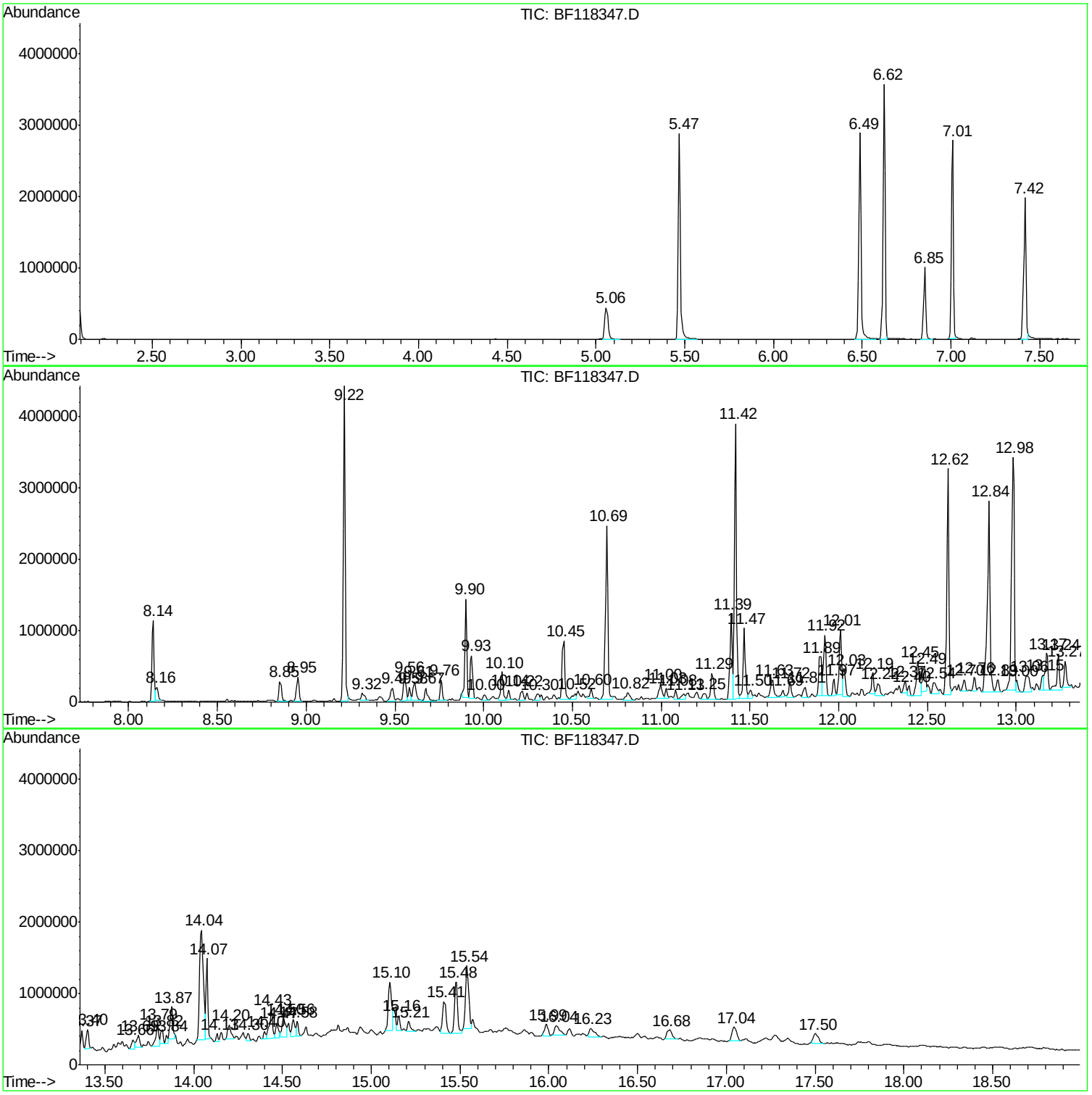
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118347.D
Acq On : 27 Dec 2019 19:37
Operator : JU
Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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\BF122719\
Data File : BF118347.D
Acq On : 27 Dec 2019 19:37
Operator : JU
Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

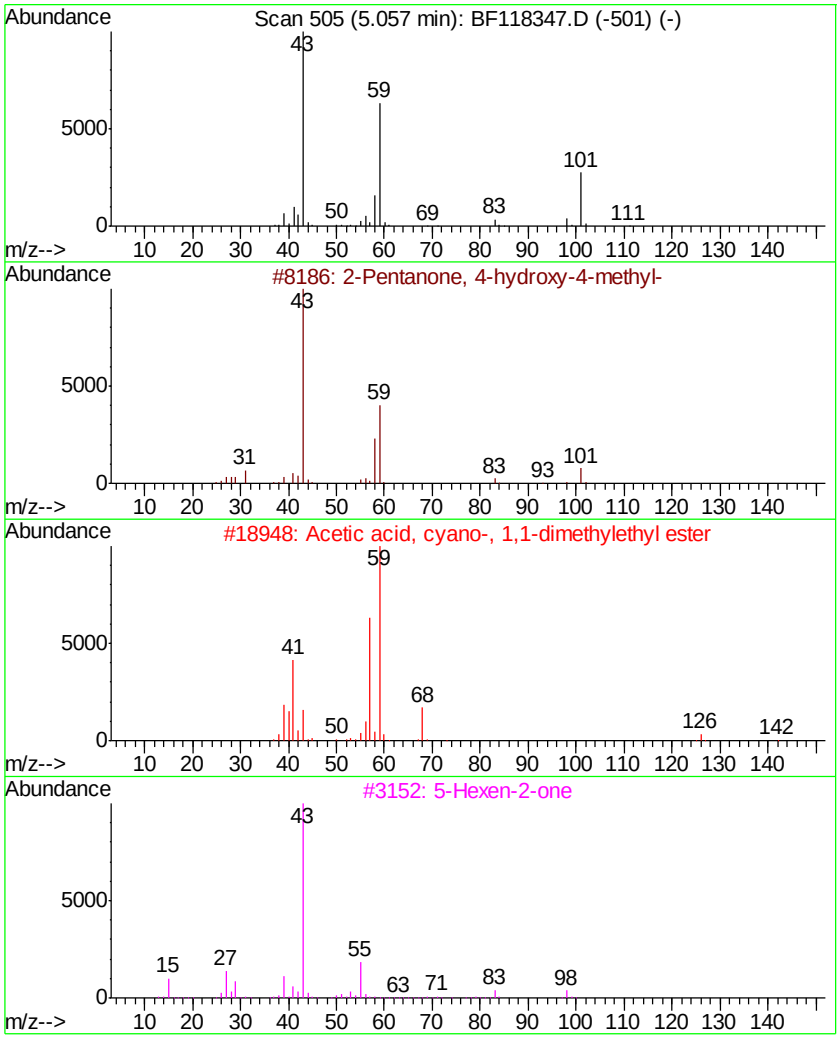
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

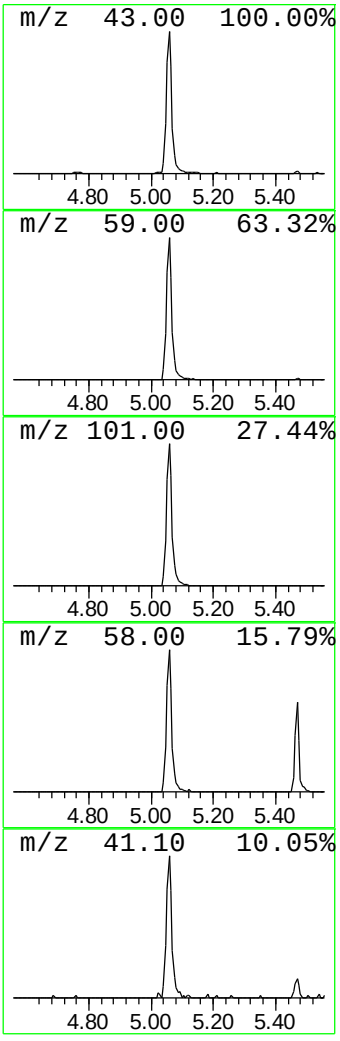
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	13.61 ng	552878	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





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Instrument : BNA_F
ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

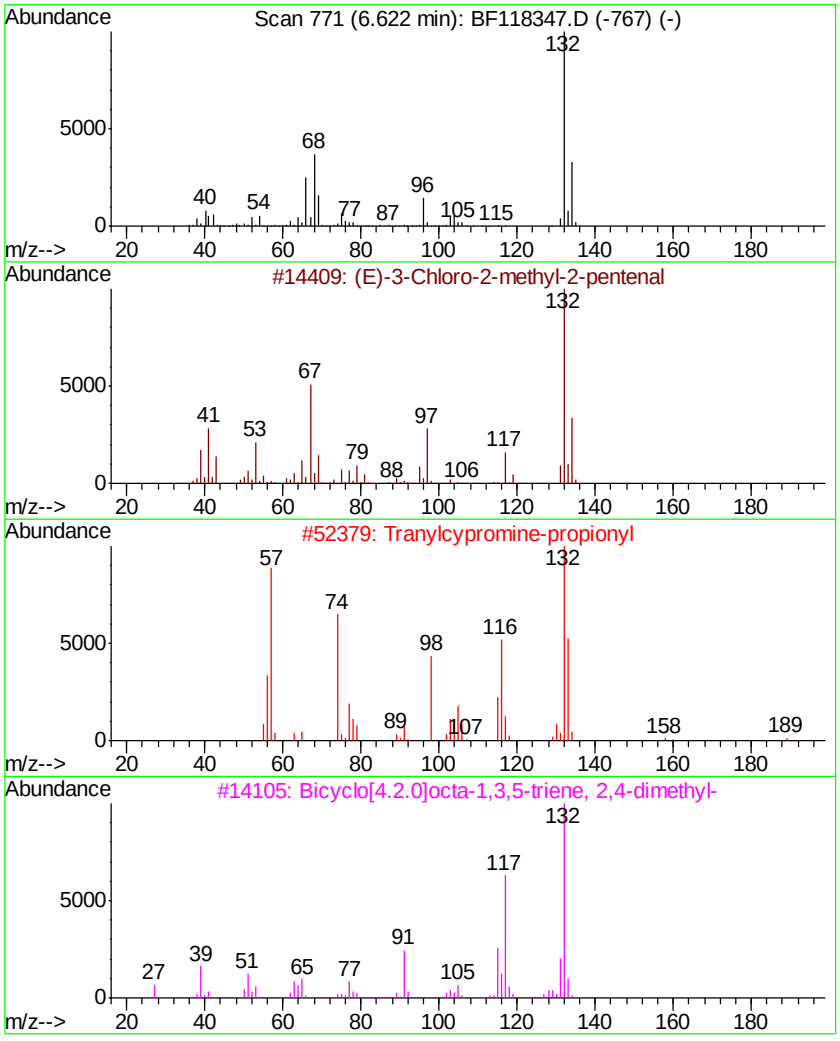
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

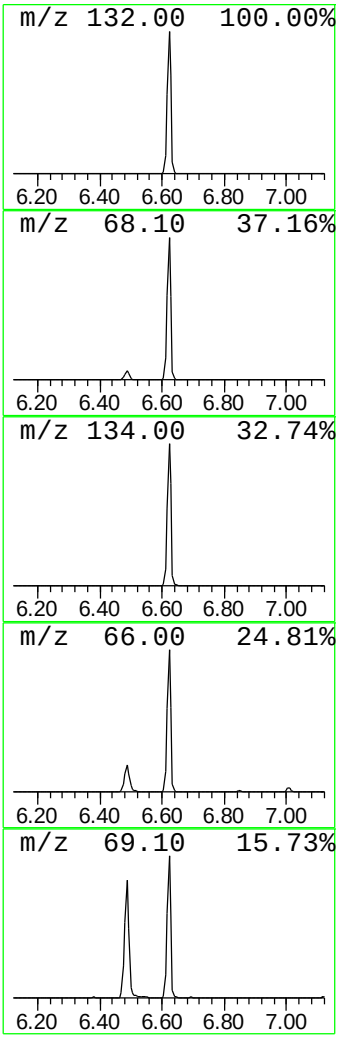
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	76.48 ng	3107880	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

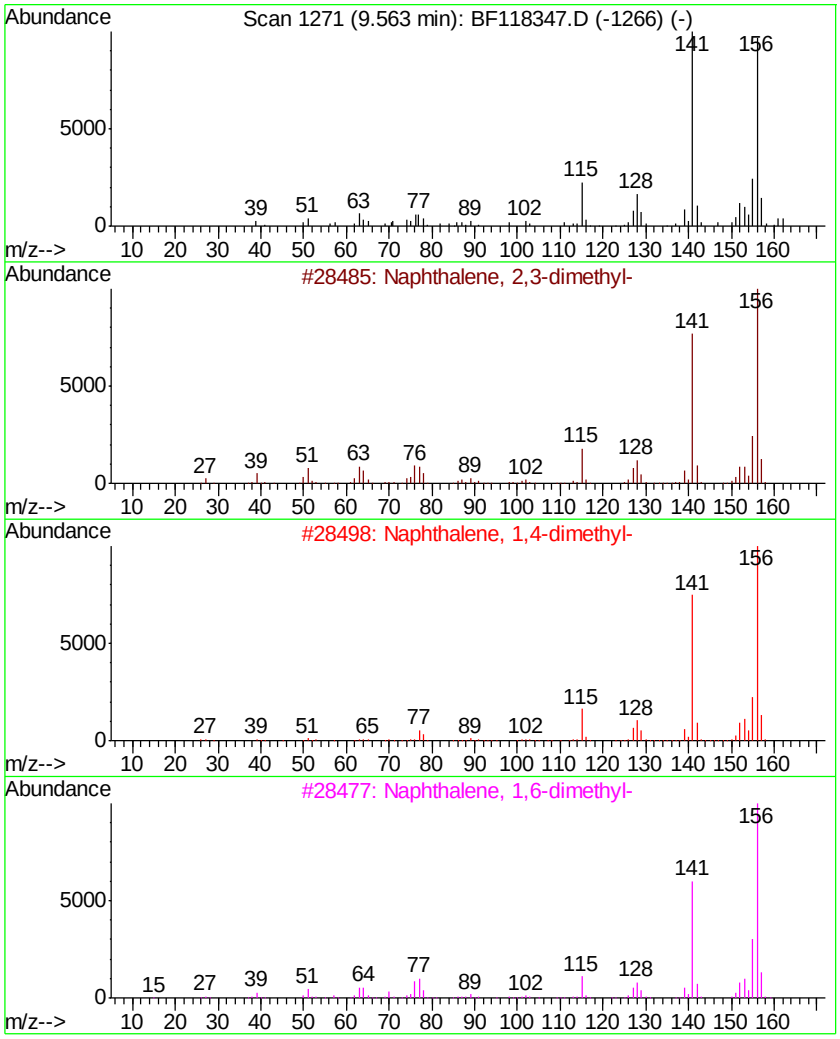
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

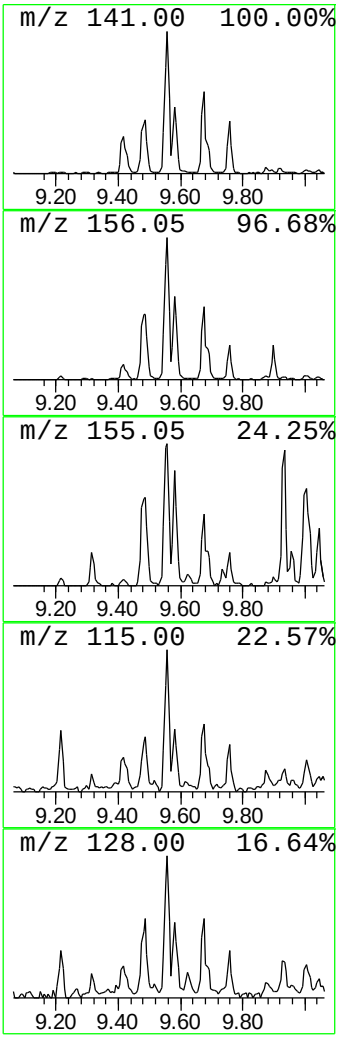
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	6.18 ng	339280	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

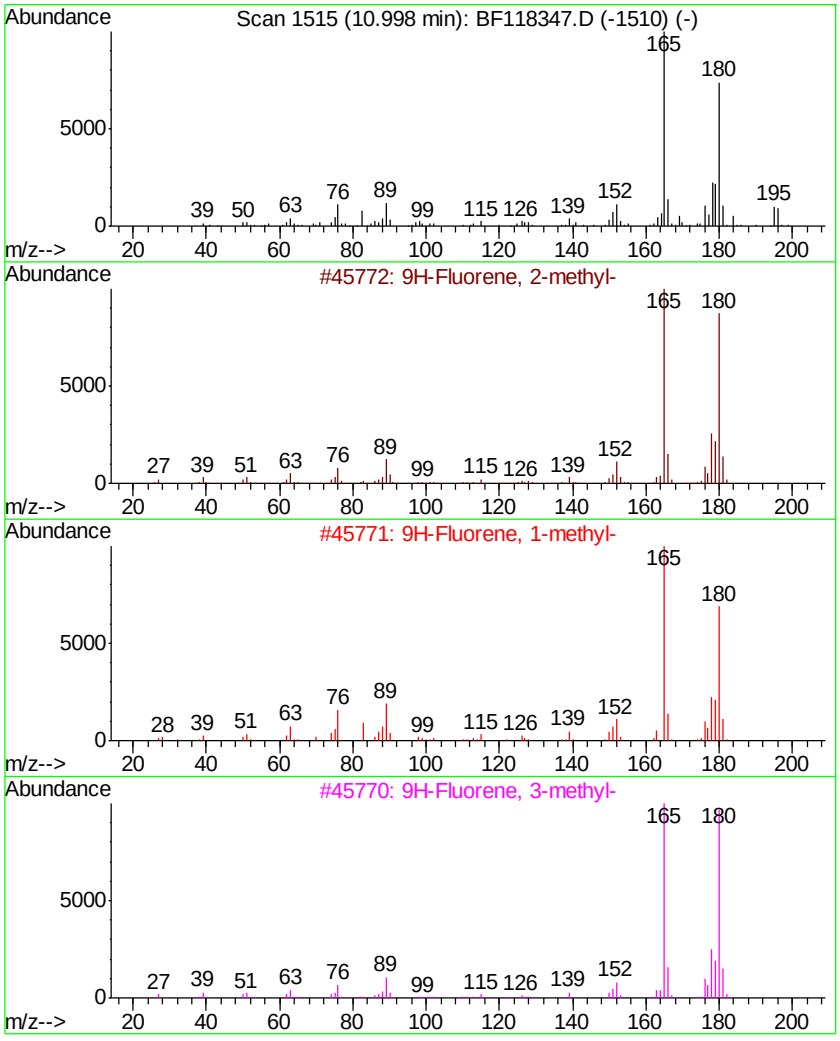
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

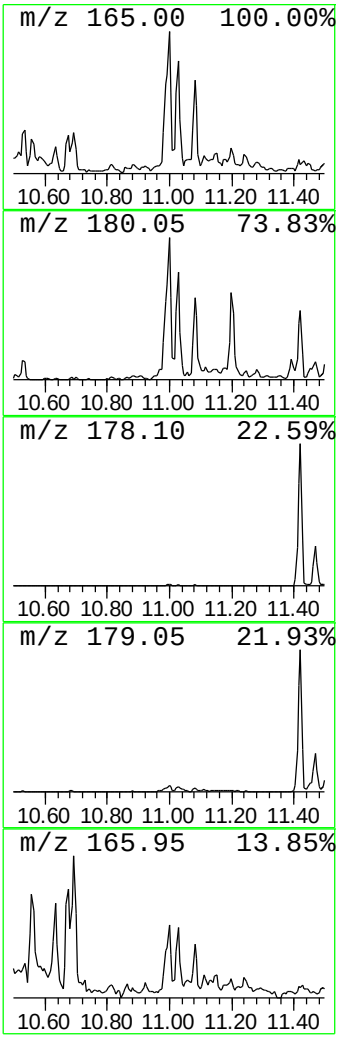
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	4.54 ng	250602	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	68
5	(E)-Stilbene	180	C14H12	000103-30-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118347.D
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Operator : JU
Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

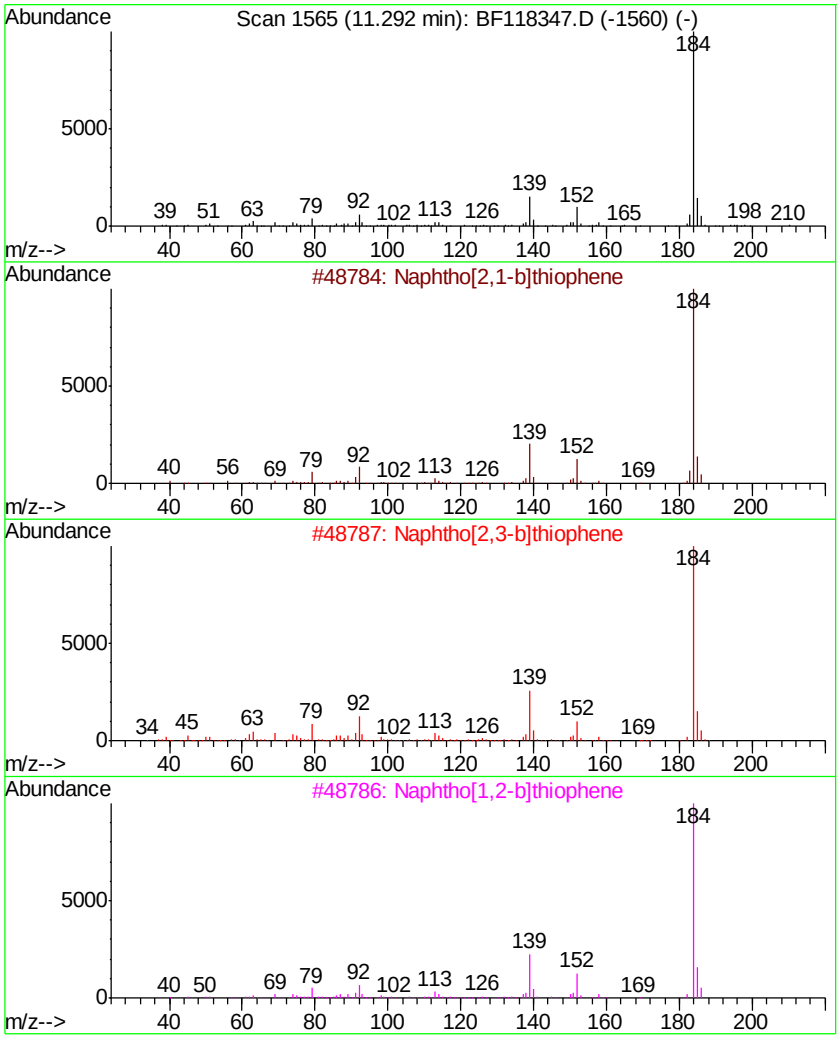
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

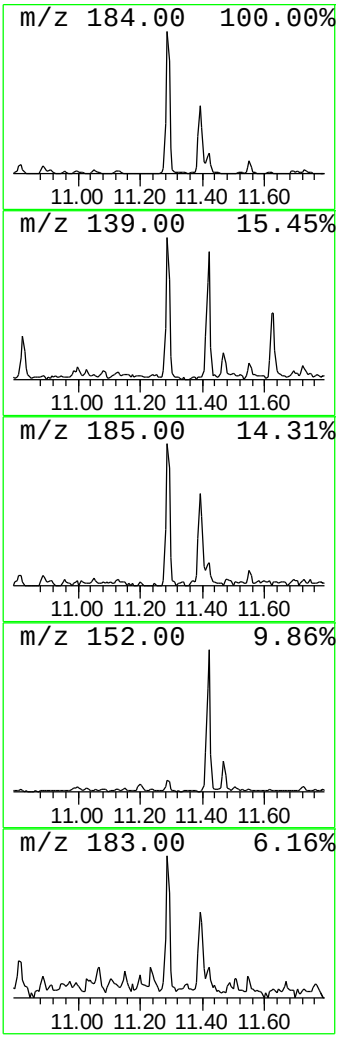
****

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	6.42 ng	353964	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Library Search Compound Report

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Data File : BF118347.D
Acq On : 27 Dec 2019 19:37
Operator : JU
Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

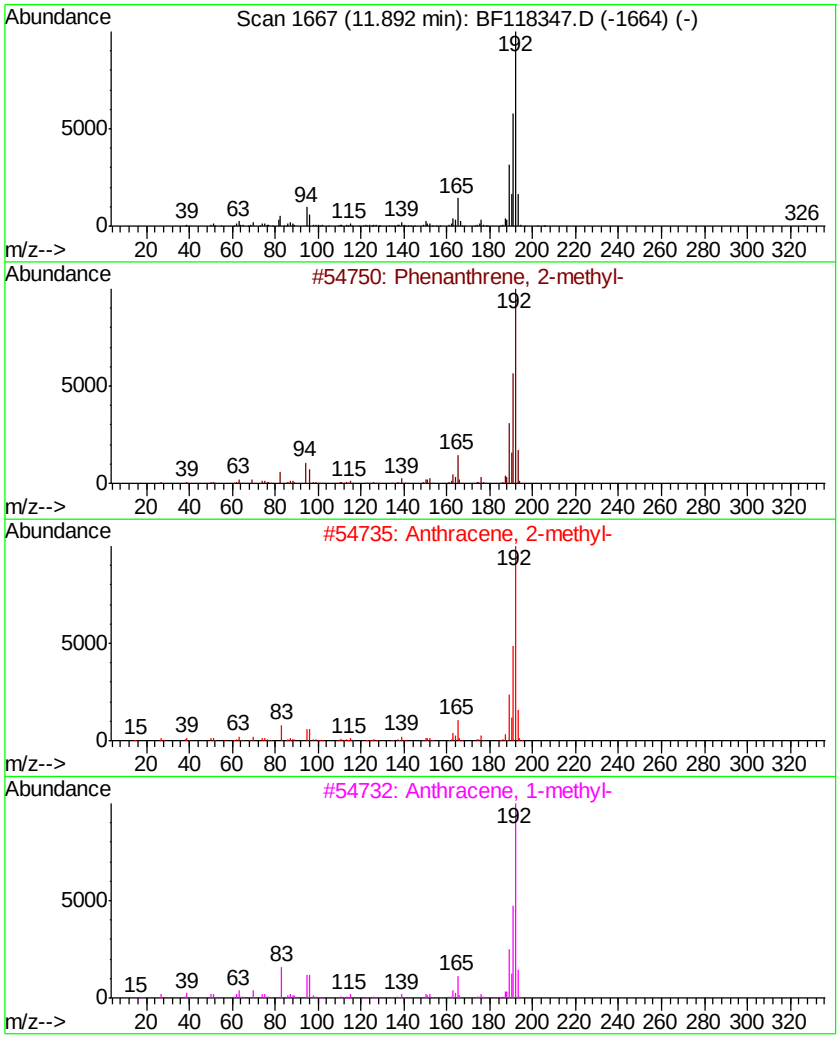
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

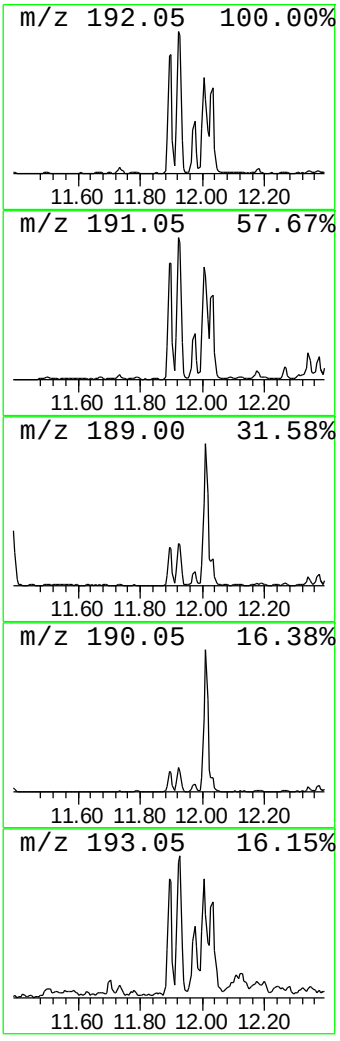
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	9.98 ng	550786	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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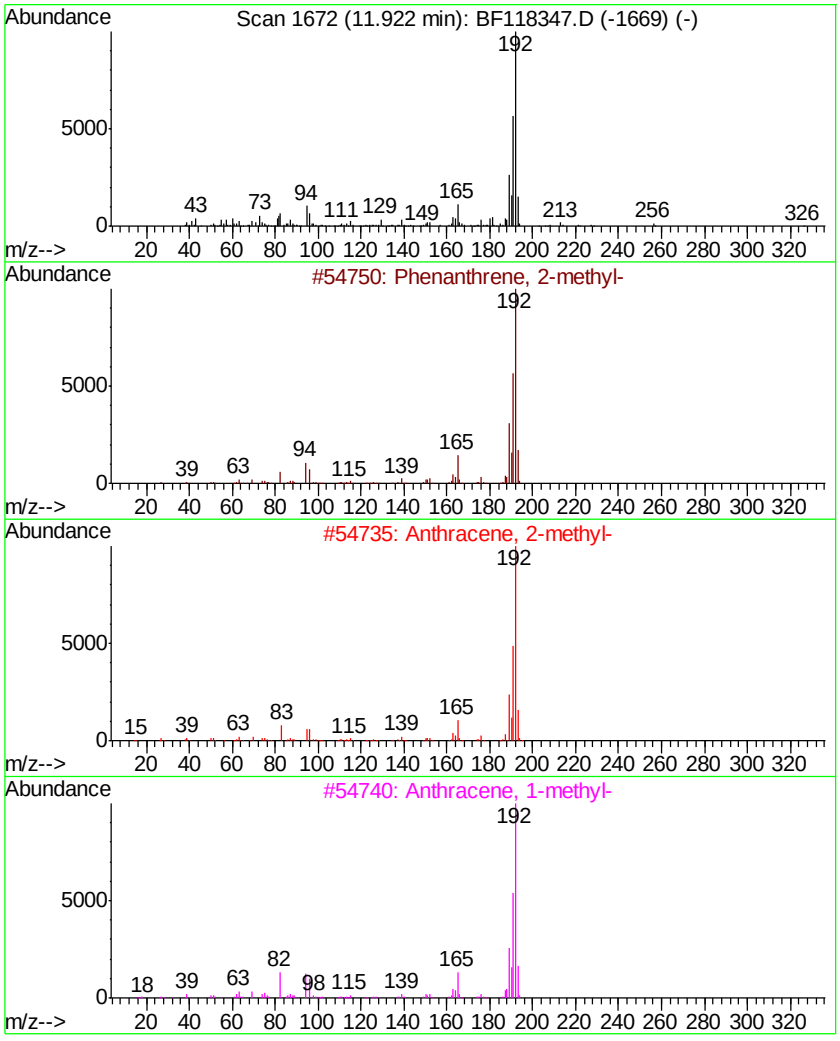
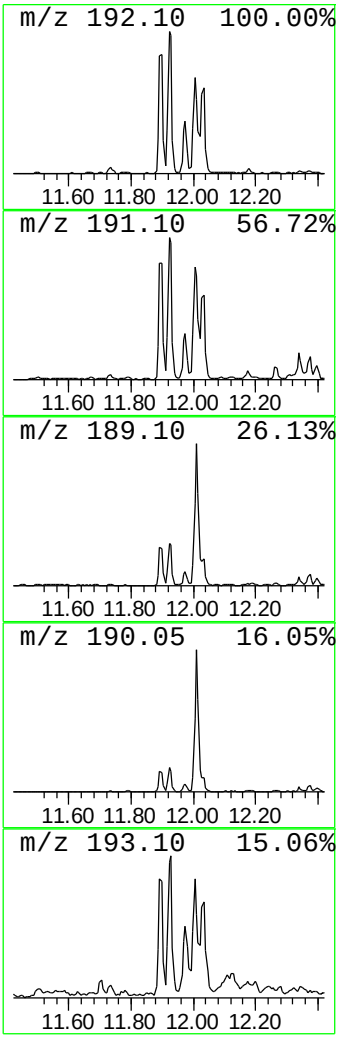
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	17.18 ng	947967	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Library Search Compound Report

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Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId : OR-03-122619

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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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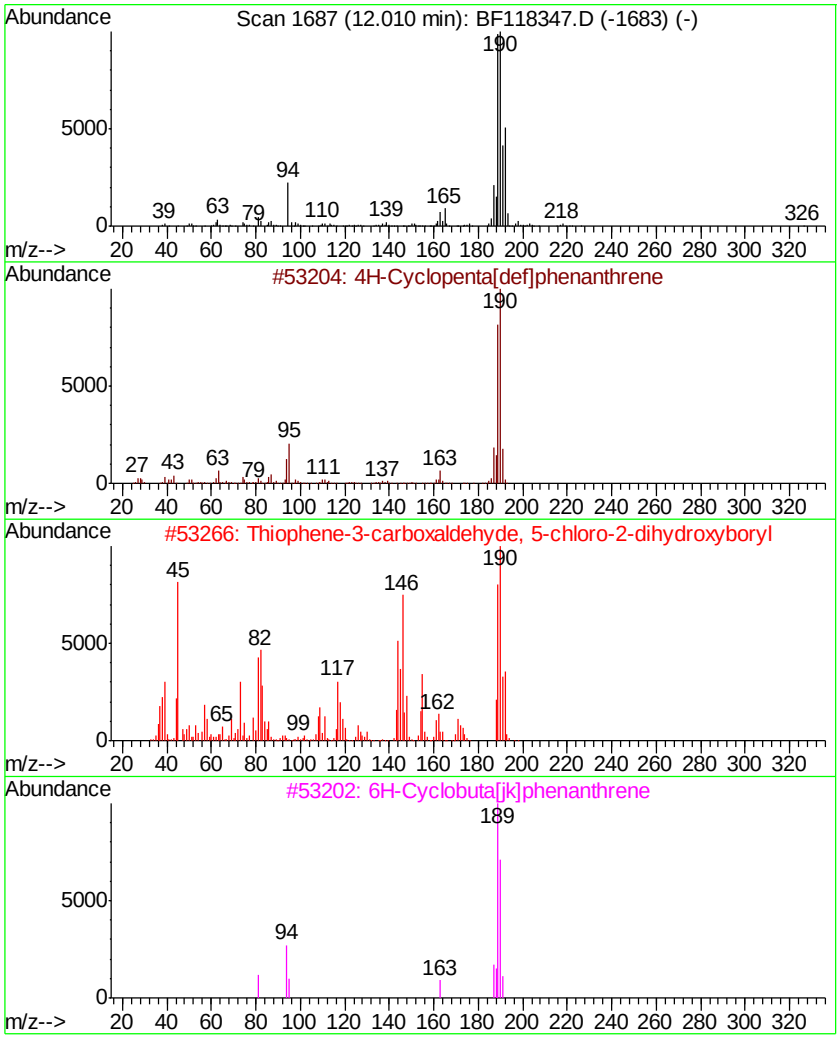
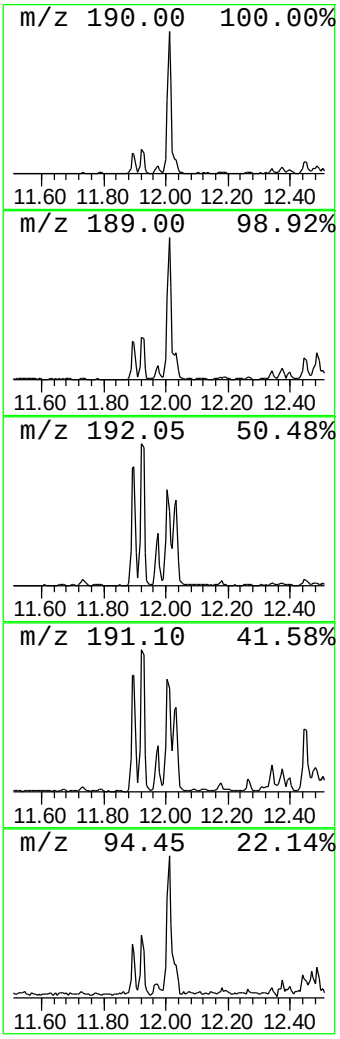
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	17.38 ng	958836	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





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Operator : JU
Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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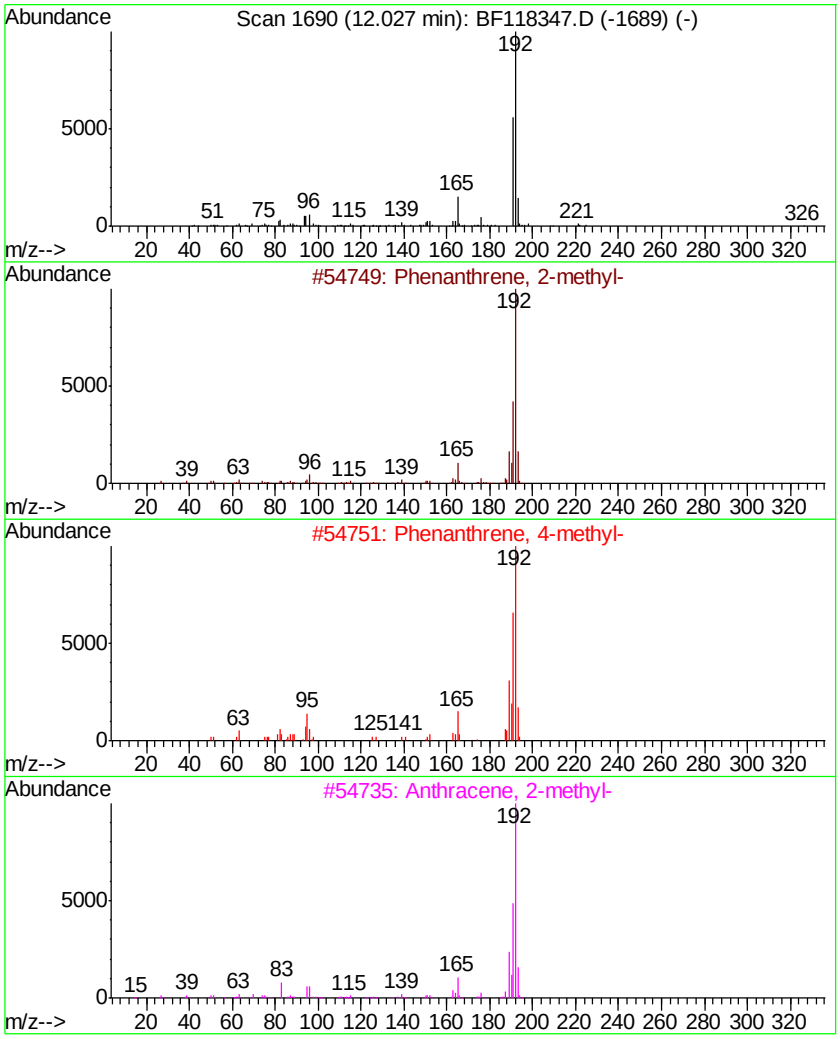
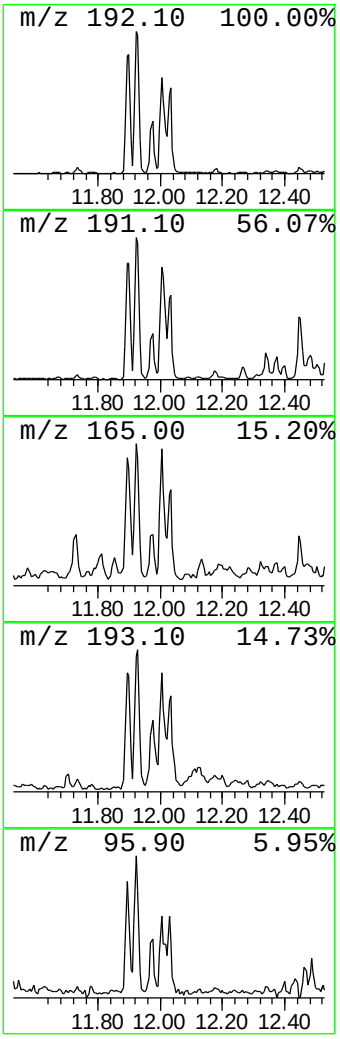
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	5.95 ng	328382	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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Acq On : 27 Dec 2019 19:37
Operator : JU
Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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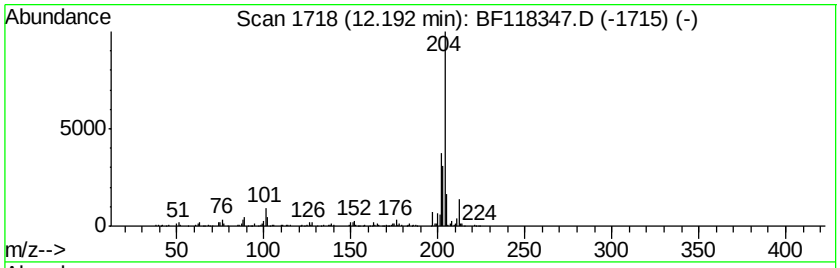
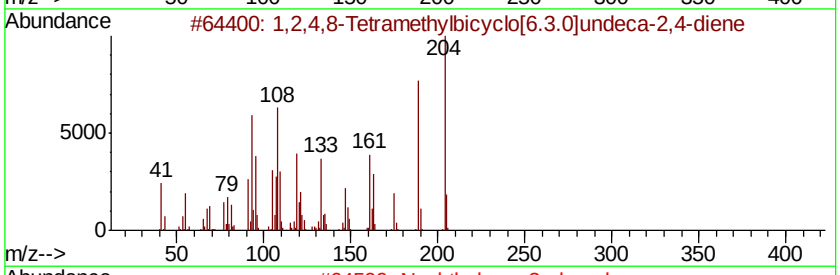
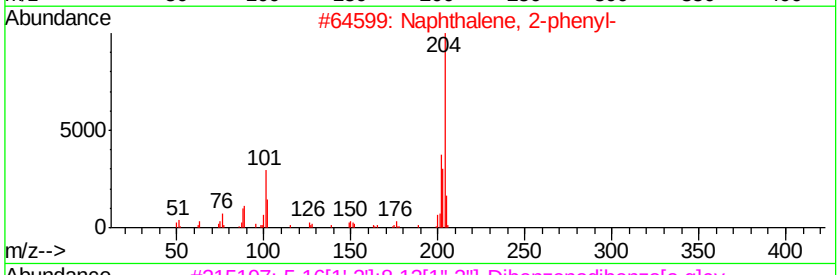
Peak Number 11 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 15

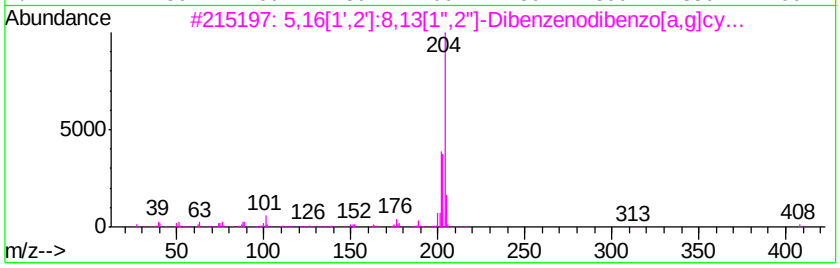
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	4.77 ng	263013	Phenanthrene-d10	11.39

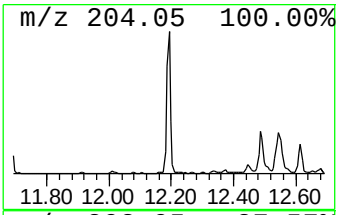
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	Levamisole	204	C11H12N2S	014769-73-4	52

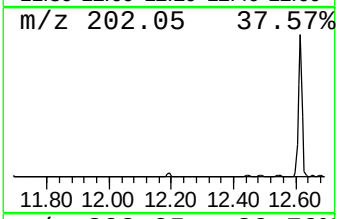


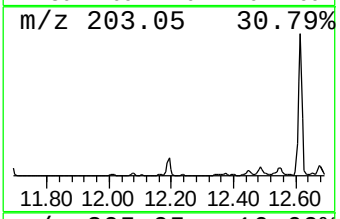


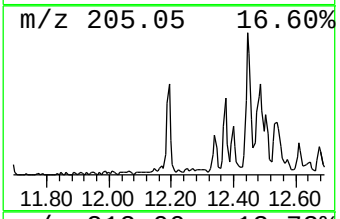


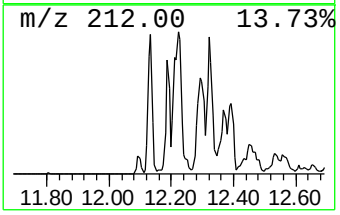












Library Search Compound Report

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Data File : BF118347.D
Acq On : 27 Dec 2019 19:37
Operator : JU
Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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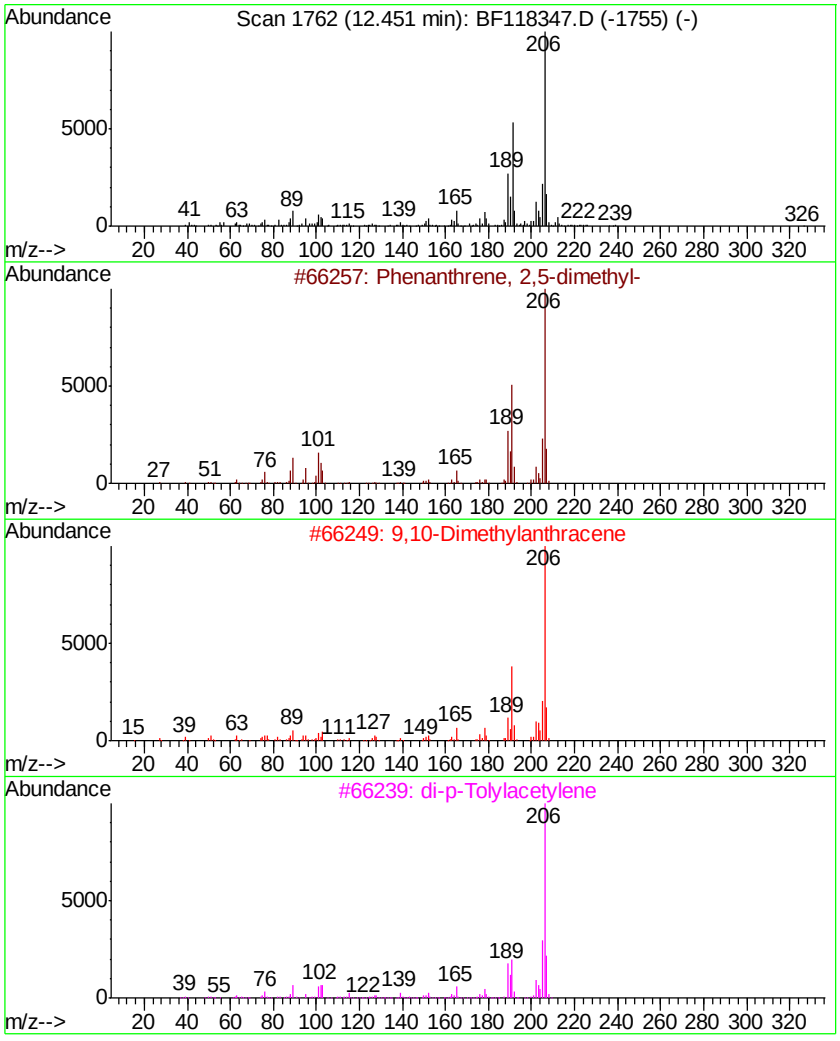
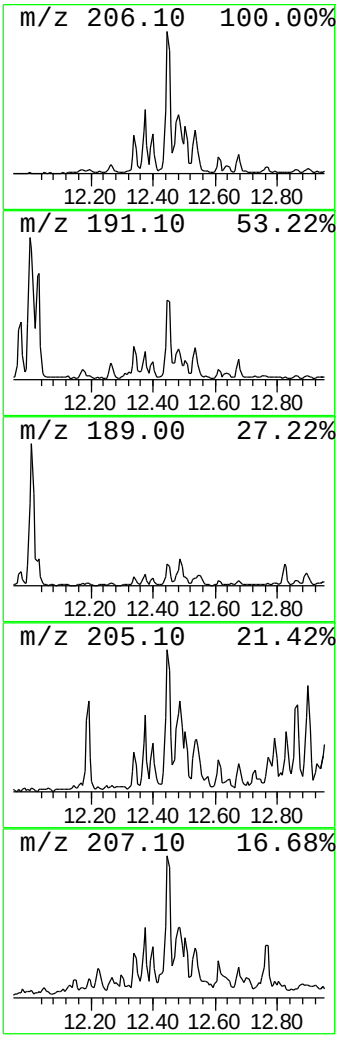
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	11.61 ng	640756	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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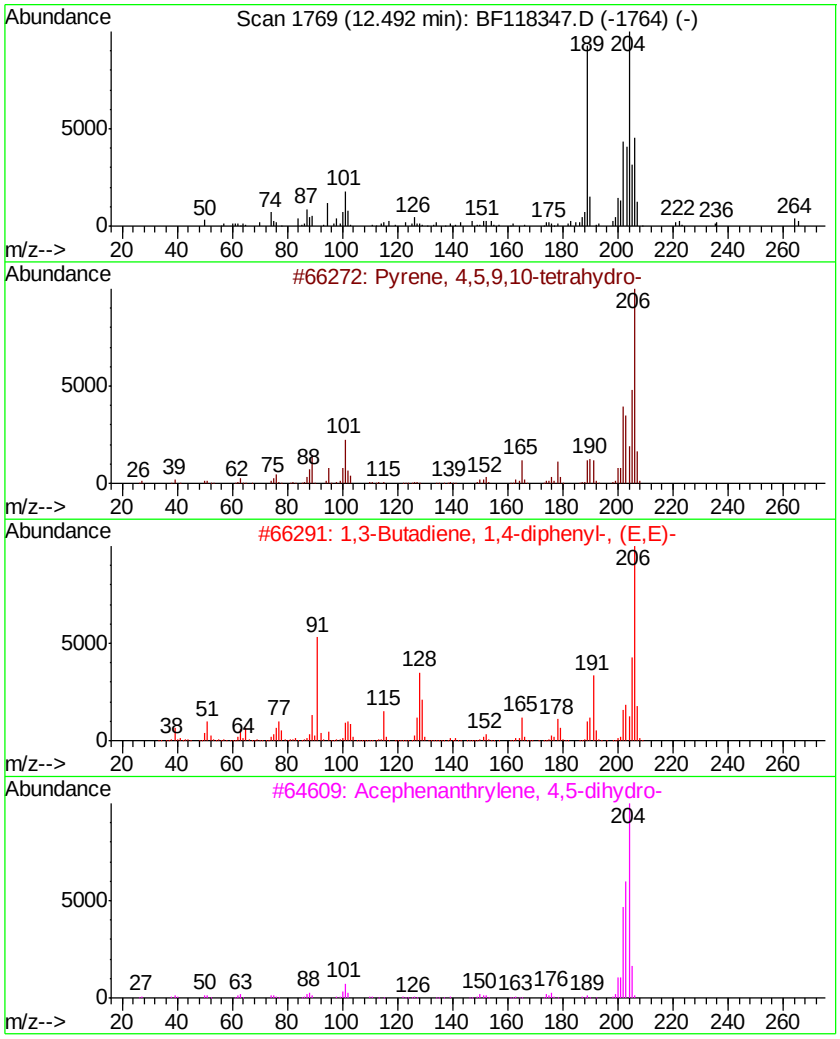
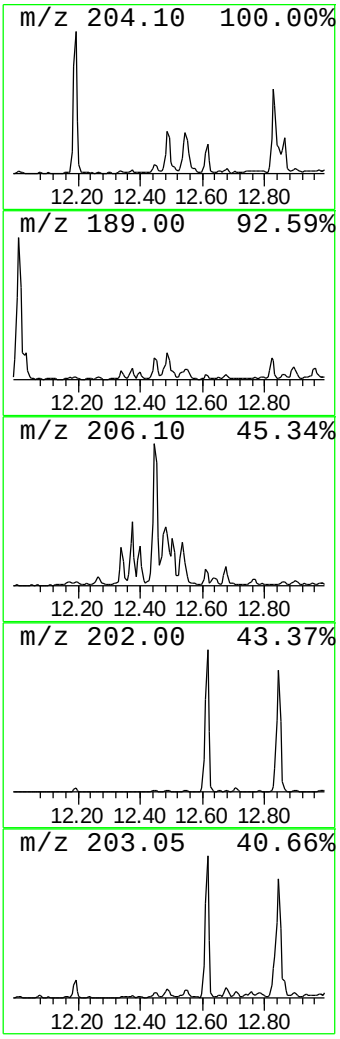
Peak Number 13 unknown12.49 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	7.37 ng	406698	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
4	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	35
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

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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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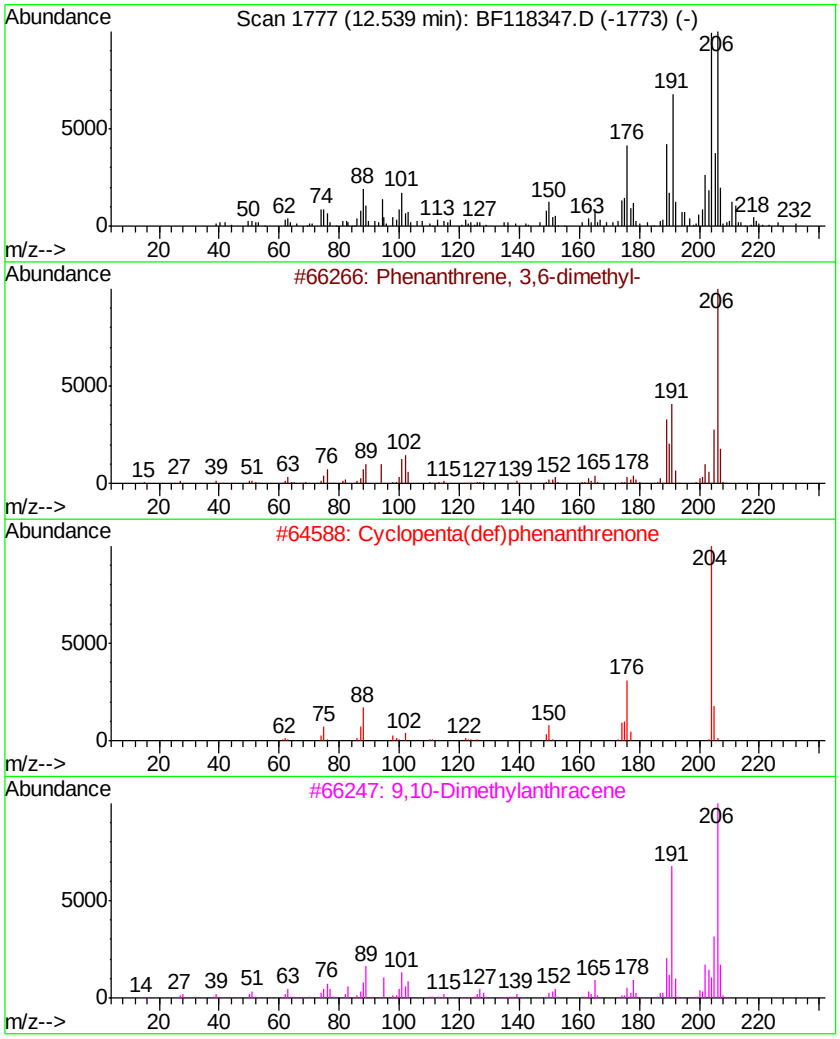
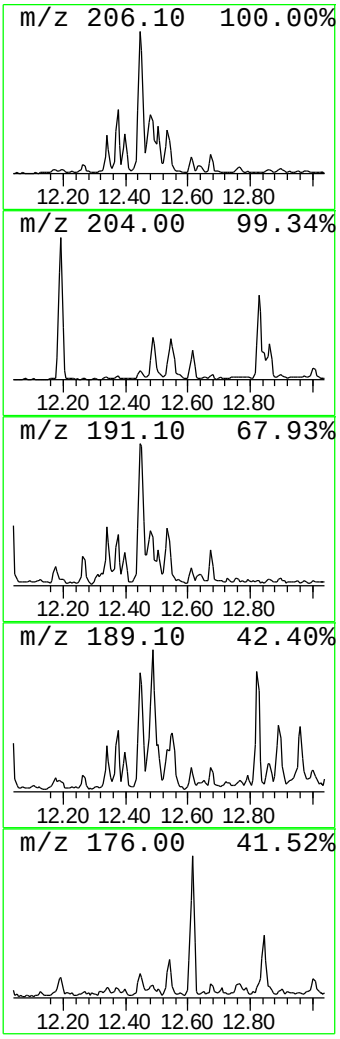
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	4.84 ng	267077	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	72
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	60
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	50





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Operator : JU
Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

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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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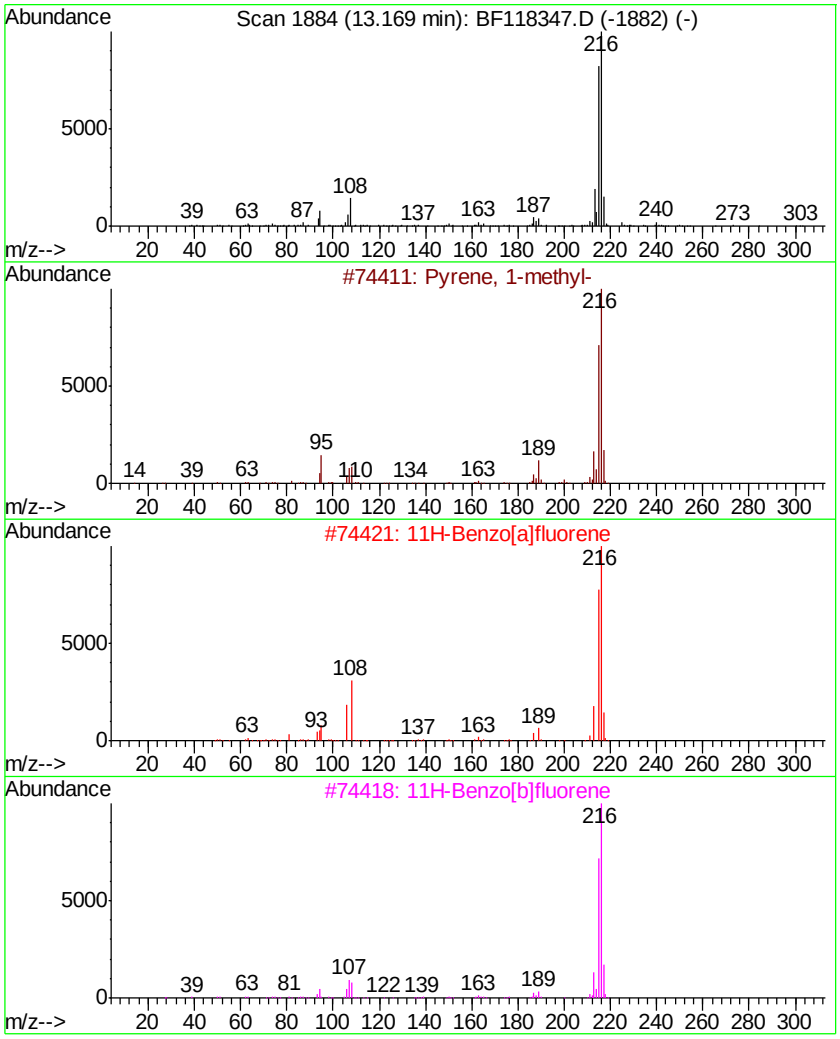
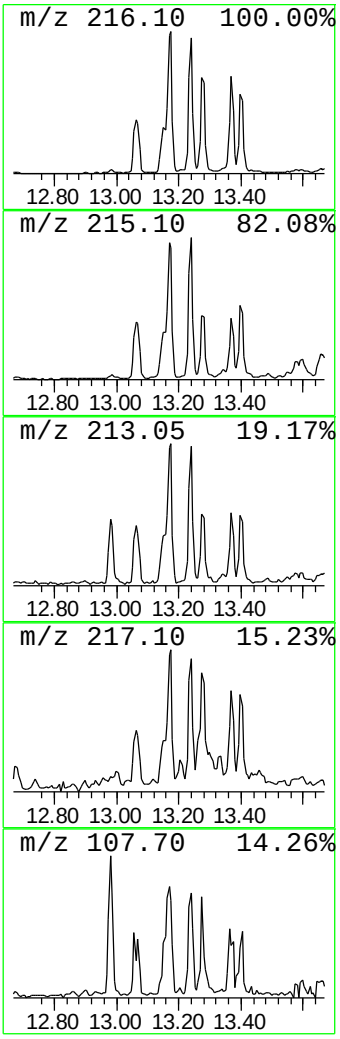
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	4.36 ng	507548	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

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

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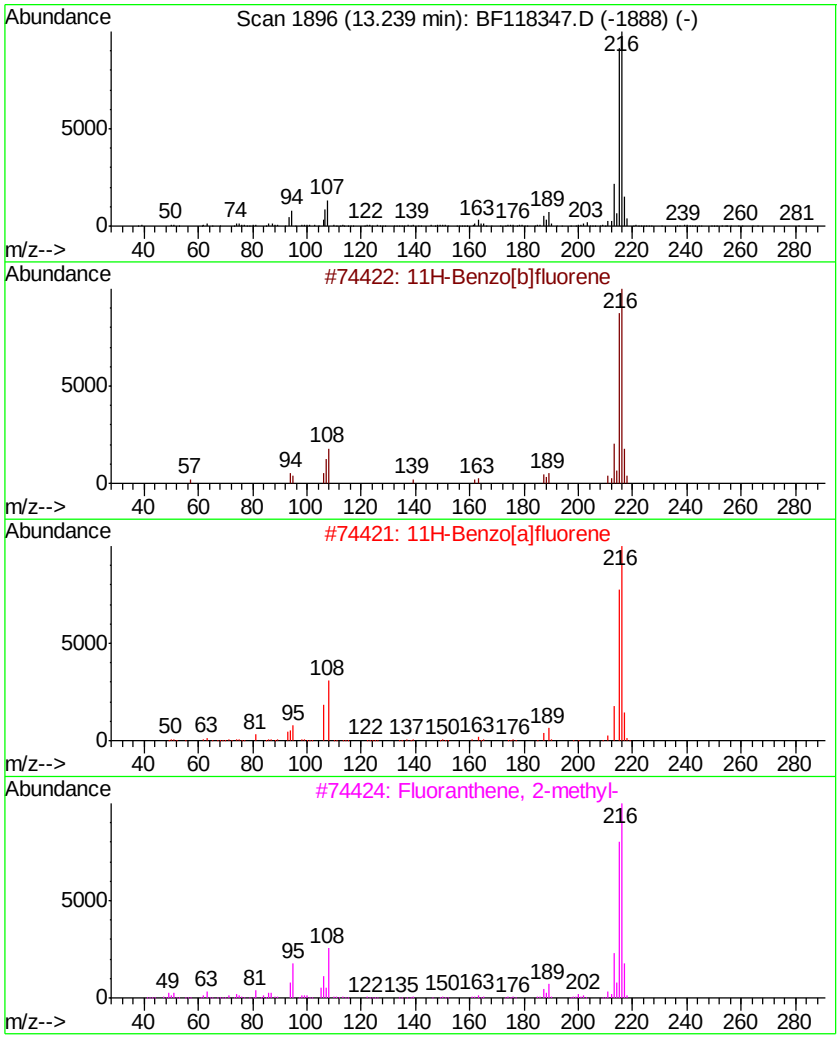
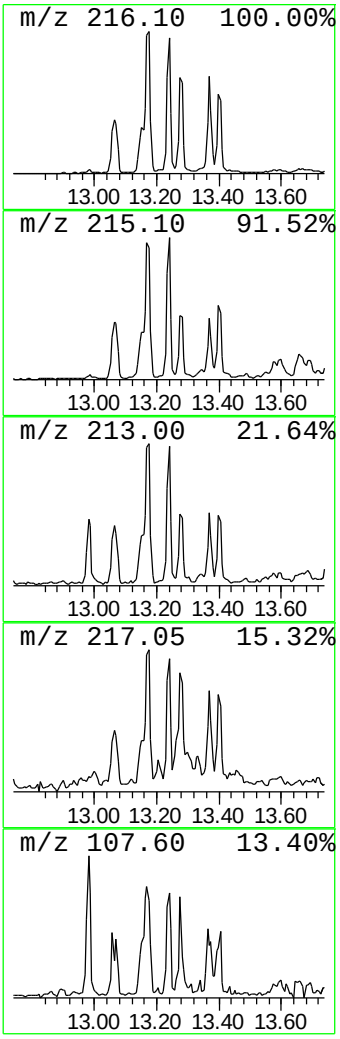
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	4.50 ng	524100	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118347.D
Acq On : 27 Dec 2019 19:37
Operator : JU
Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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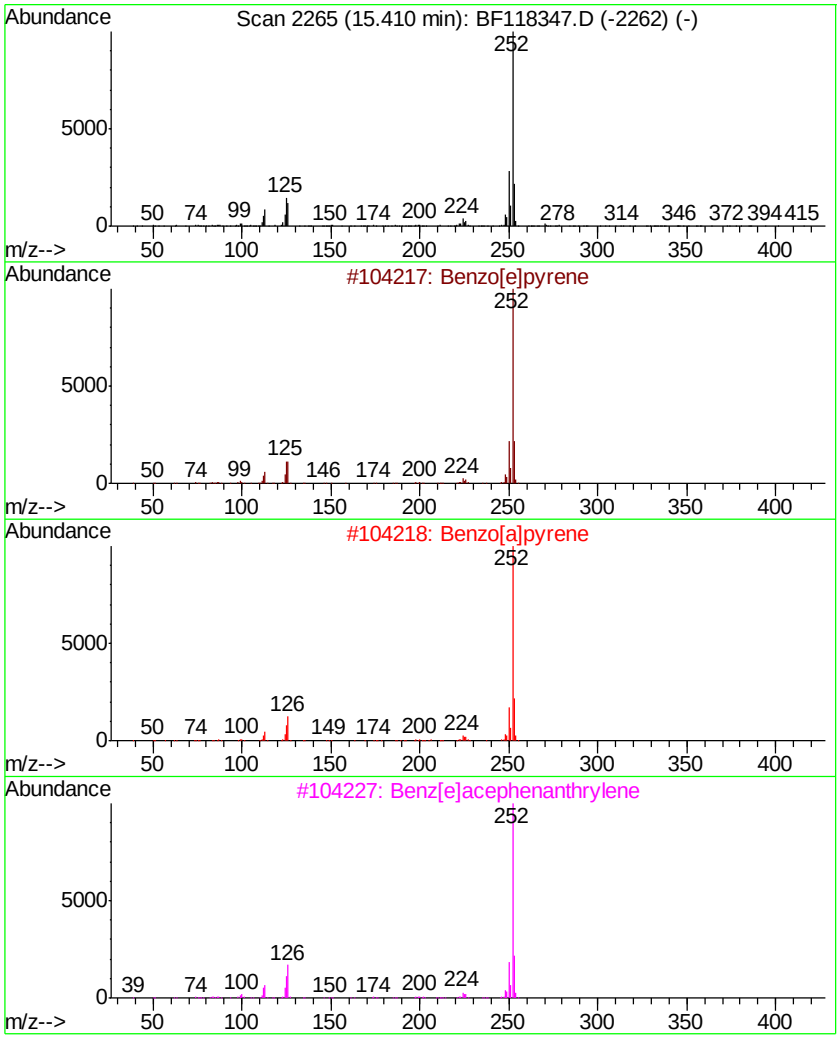
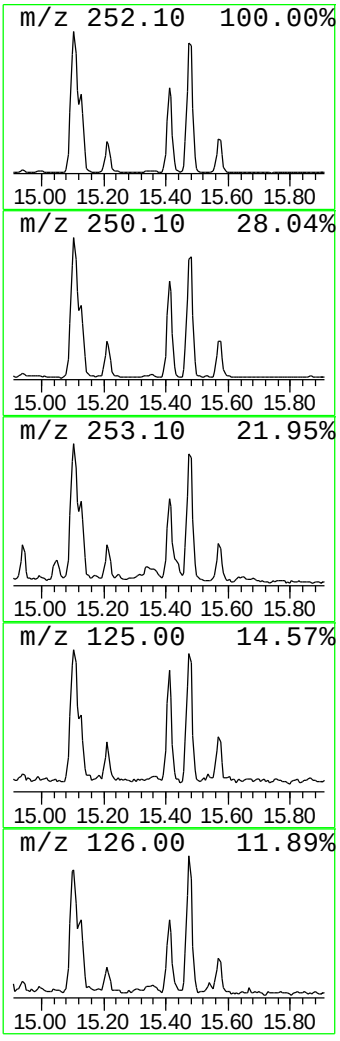
Peak Number 17 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	10.16 ng	543243	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118347.D
Acq On : 27 Dec 2019 19:37
Operator : JU
Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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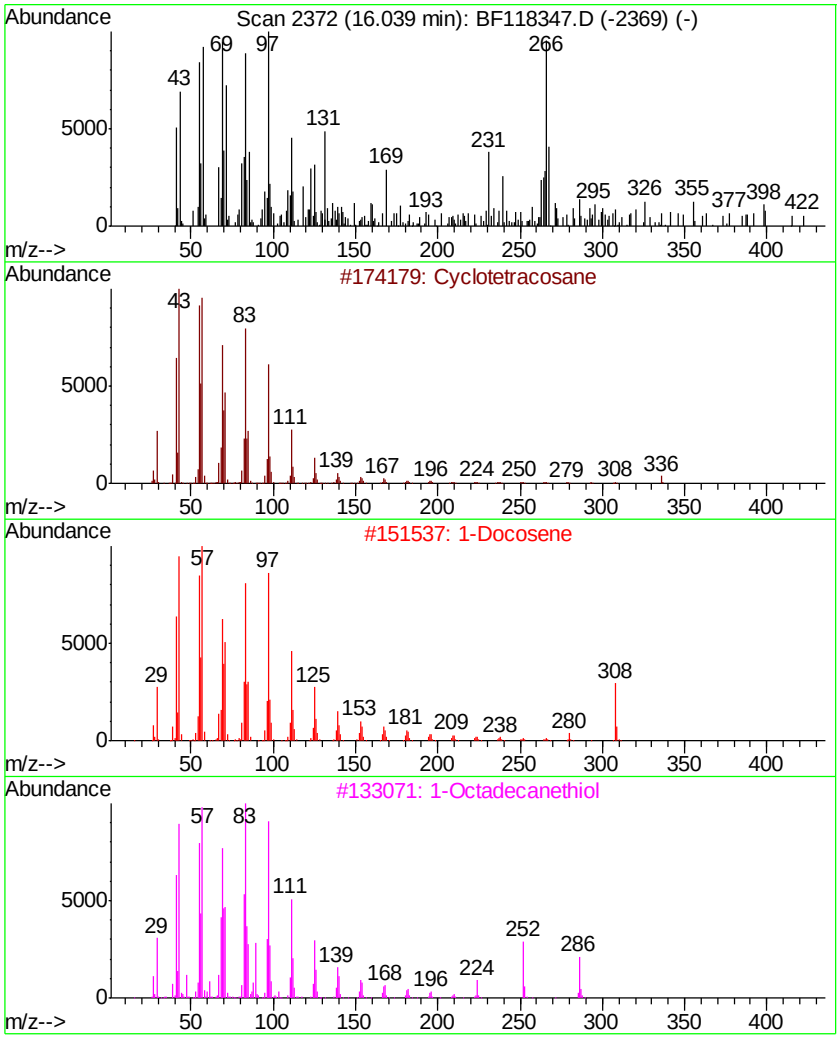
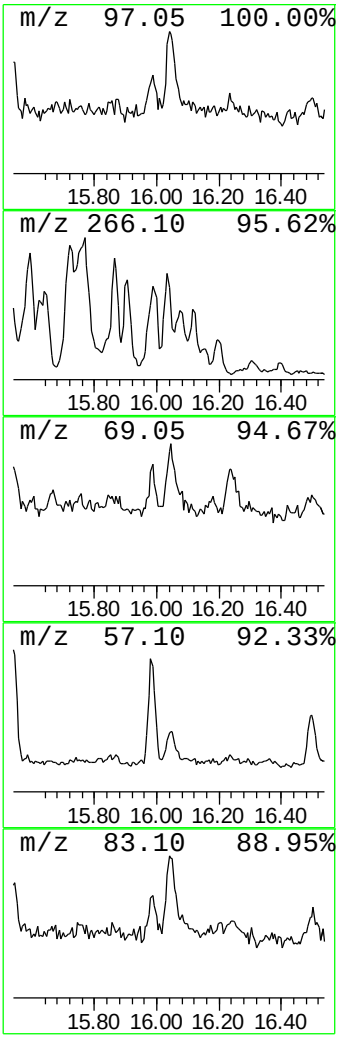
Peak Number 18 Cyclotetracosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	5.36 ng	286504	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	97
2	1-Docosene	308	C22H44	001599-67-3	96
3	1-Octadecanethiol	286	C18H38S	002885-00-9	95
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	86
5	Octacosanol	410	C28H58O	000557-61-9	86





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Sample : K6113-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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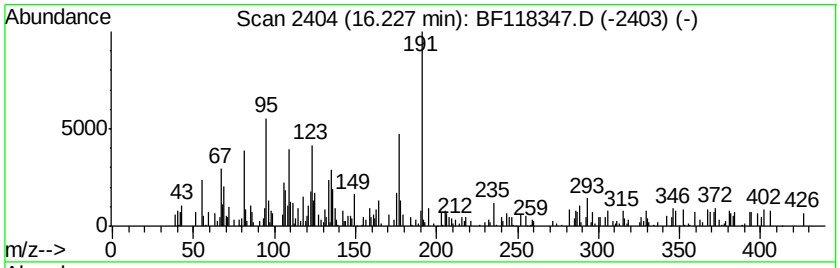
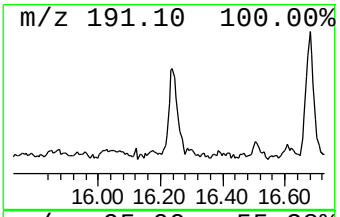
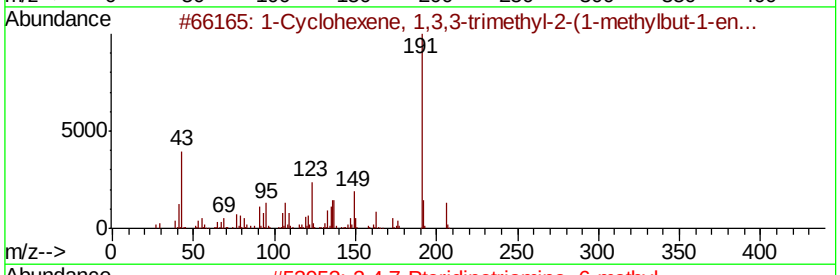
Peak Number 19 unknown16.23 Concentration Rank 16

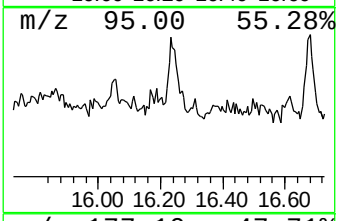
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	4.63 ng	247377	Perylene-d12	15.54

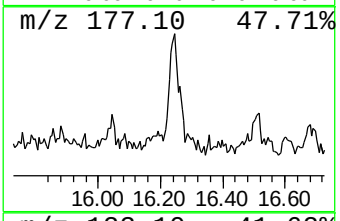
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	47
2	2,4,7-Pteridinetriamine, 6-methyl-	191	C7H9N7	017539-50-3	30
3	4(1H)-Pteridinone, 2-amino-6,7-d...	191	C8H9N5O	000611-55-2	27
4	Isophthalic acid, oct-3-en-2-yl ...	318	C19H26O4	1000343-89-0	25
5	Phenol, 2,4-bis(1,1-dimethylethyl)-	206	C14H22O	000096-76-4	25

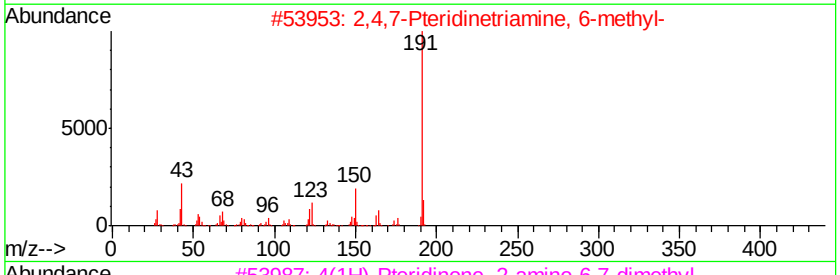


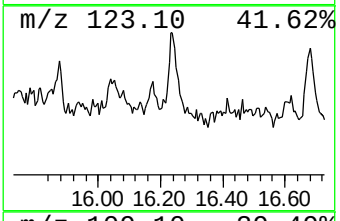


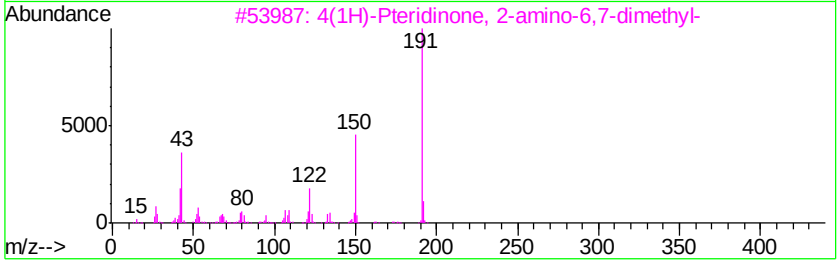


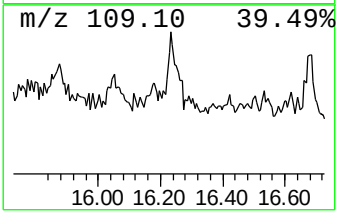












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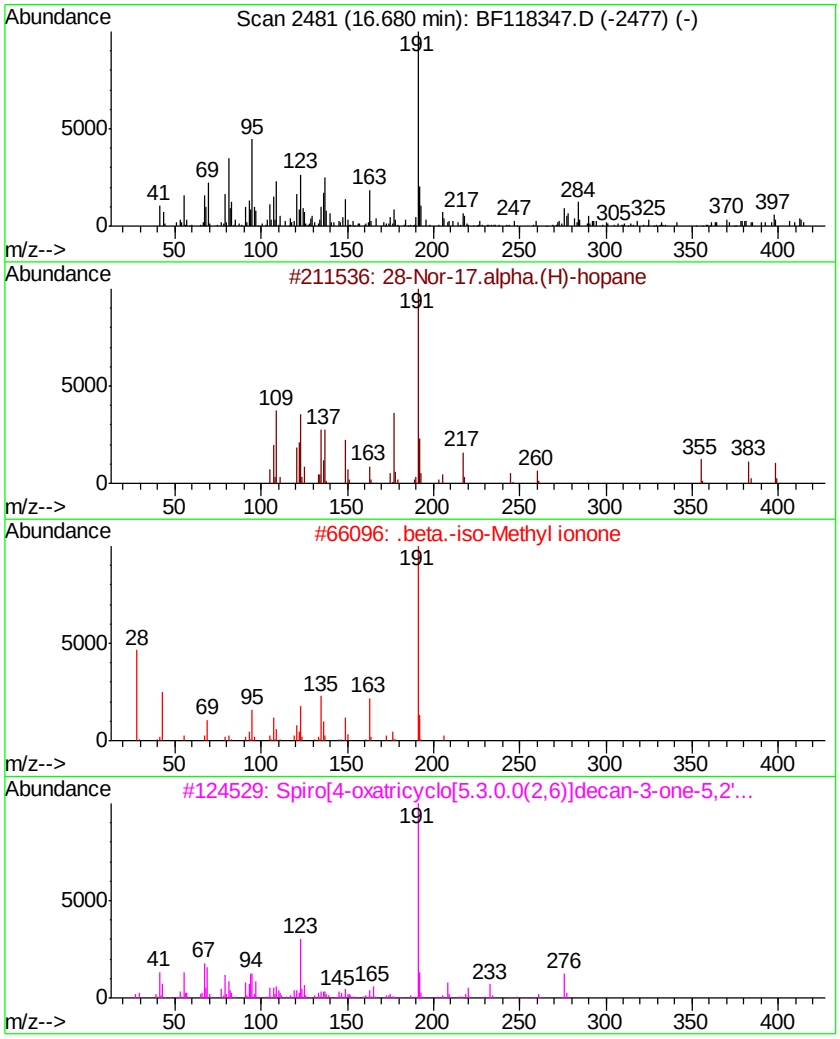
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

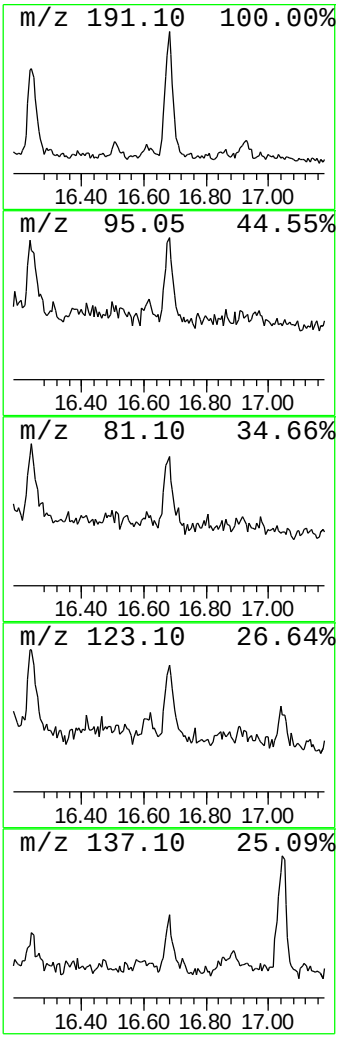
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 28-Nor-17.alpha.(H)-hopane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	4.42 ng	236233	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	56
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	53
3	Spiro[4-oxatricyclo[5.3.0.0(2,6)...	276	C18H28O2	1000156-82-9	38
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38
5	9H-Fluorene-2-carbonitrile	191	C14H9N	002523-48-0	35





Tentatively Identified Compound (LSC) summary

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ClientSampleId : OR-03-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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
2-Pentanone, 4-hy...	5.06	13.6	ng	552878	1	6.85	812681	20.0
unknown6.62	6.62	76.5	ng	3107880	1	6.85	812681	20.0
Naphthalene, 2,3-...	9.56	6.2	ng	339280	3	9.90	1097110	20.0
9H-Fluorene, 2-me...	11.00	4.5	ng	250602	4	11.39	1103480	20.0
Naphtho[2,1-b]thi...	11.29	6.4	ng	353964	4	11.39	1103480	20.0
Phenanthrene, 2-m...	11.89	10.0	ng	550786	4	11.39	1103480	20.0
Phenanthrene, 1-m...	11.92	17.2	ng	947967	4	11.39	1103480	20.0
4H-Cyclopenta[def...	12.01	17.4	ng	958836	4	11.39	1103480	20.0
Phenanthrene, 4-m...	12.03	6.0	ng	328382	4	11.39	1103480	20.0
1,2,4,8-Tetrameth...	12.19	4.8	ng	263013	4	11.39	1103480	20.0
Phenanthrene, 2,5...	12.45	11.6	ng	640756	4	11.39	1103480	20.0
unknown12.49	12.49	7.4	ng	406698	4	11.39	1103480	20.0
Phenanthrene, 3,6...	12.54	4.8	ng	267077	4	11.39	1103480	20.0
Pyrene, 1-methyl-	13.17	4.4	ng	507548	5	14.05	2330360	20.0
11H-Benzo[b]fluorene	13.24	4.5	ng	524100	5	14.05	2330360	20.0
Benzo[e]pyrene	15.41	10.2	ng	543243	6	15.54	1069120	20.0
Cyclotetracosane	16.04	5.4	ng	286504	6	15.54	1069120	20.0
unknown16.23	16.23	4.6	ng	247377	6	15.54	1069120	20.0
28-Nor-17.alpha.(...	16.68	4.4	ng	236233	6	15.54	1069120	20.0