LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
Data File : BF115738.D
Acq On : 23 Jul 2019 23:55
Operator : HP/JU
Sample : K3943-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	7	19	rVB	360165	471727	6.60%	0.330%
2	5.487	571	578	590	rBV	1672640	1757275	24.58%	1.229%
3	5.710	611	616	623	rBV3	77078	125350	1.75%	0.088%
4	6.410	731	735	737	rBV2	75023	97654	1.37%	0.068%
5	6.498	746	750	757	rVB	1895314	1708763	23.90%	1.195%
6	6.639	770	774	782	rVB	2148503	1923833	26.91%	1.346%
7	6.704	782	785	789	rVV3	193006	245693	3.44%	0.172%
8	6.869	810	813	816	rBV	1129935	1009169	14.11%	0.706%
9	7.028	836	840	843	rBV	1886380	1633421	22.85%	1.143%
10	7.051	843	844	848	rVB	349993	246040	3.44%	0.172%
11	7.133	854	858	859	rBV2	124768	130587	1.83%	0.091%
12	7.151	859	861	864	rVB	140345	122673	1.72%	0.086%
13	7.192	864	868	870	rBV2	120727	121630	1.70%	0.085%
14	7.269	876	881	884	rBV2	108719	126359	1.77%	0.088%
15	7.428	900	908	914	rBV	1337234	1479658	20.70%	1.035%
16	7.522	920	924	927	rVB5	109726	159050	2.22%	0.111%
17	7.828	974	976	981	rVB3	130168	155656	2.18%	0.109%
18	7.892	981	987	992	rBV2	398182	612654	8.57%	0.429%
19	7.939	992	995	999	rVV2	156269	254374	3.56%	0.178%
20	8.151	1026	1031	1033	rBV	1417039	1437672	20.11%	1.006%
21	8.175	1033	1035	1038	rVV	2695396	2079671	29.09%	1.455%
22	8.216	1038	1042	1045	rVB3	191104	209560	2.93%	0.147%
23	8.580	1101	1104	1105	rBV	161277	145993	2.04%	0.102%
24	8.616	1108	1110	1113	rVV	137736	144662	2.02%	0.101%
25	8.657	1115	1117	1122	rVB4	138355	153980	2.15%	0.108%
26	8.704	1122	1125	1129	rBV3	71197	110561	1.55%	0.077%
27	8.745	1129	1132	1135	rBV3	115242	110536	1.55%	0.077%
28	8.798	1135	1141	1146	rBV5	147233	311113	4.35%	0.218%
29	8.869	1149	1153	1156	rVB	2892625	2501113	34.98%	1.750%
30	8.969	1165	1170	1173	rVB	2420449	2243726	31.38%	1.570%
31	9.045	1178	1183	1184	rVV5	69091	112875	1.58%	0.079%
32	9.063	1184	1186	1190	rVB3	87320	113356	1.59%	0.079%
33	9.180	1203	1206	1209	rVB	360003	295297	4.13%	0.207%
34	9.227	1210	1214	1217	rVV	2504909	2113266	29.56%	1.478%

LSC Area Percent Report

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Sample : K3943-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.327	1225	1231	1234	rBV2	587985	782369	10.94%	0.547%
36	9.398	1241	1243	1245	rBV2	86606	96497	1.35%	0.068%
37	9.427	1245	1248	1252	rVB	688117	820795	11.48%	0.574%
38	9.498	1255	1260	1263	rBV	1278257	1719695	24.05%	1.203%
39	9.527	1263	1265	1267	rBV2	252461	200049	2.80%	0.140%
40	9.569	1268	1272	1274	rVV	2157974	2097841	29.34%	1.468%
41	9.592	1274	1276	1279	rVV	1326248	1199984	16.78%	0.840%
42	9.633	1279	1283	1286	rVB4	1362078	1519129	21.25%	1.063%
43	9.686	1289	1292	1297	rVV	1024440	1124281	15.72%	0.787%
44	9.769	1303	1306	1311	rBV	2269756	2168645	30.33%	1.517%
45	9.822	1313	1315	1318	rVB	385866	350386	4.90%	0.245%
46	9.886	1323	1326	1328	rBV	805881	879976	12.31%	0.616%
47	9.910	1328	1330	1332	rVB	1395320	1070270	14.97%	0.749%
48	9.945	1332	1336	1339	rBV	1898710	1782229	24.93%	1.247%
49	10.016	1345	1348	1352	rVB2	553059	662992	9.27%	0.464%
50	10.069	1352	1357	1361	rBV4	370166	856397	11.98%	0.599%
51	10.110	1361	1364	1368	rBV2	1477532	1449956	20.28%	1.014%
52	10.151	1369	1371	1373	rBV	672579	544005	7.61%	0.381%
53	10.227	1380	1384	1387	rBV3	851190	1061402	14.85%	0.743%
54	10.257	1387	1389	1391	rVB	650646	504002	7.05%	0.353%
55	10.322	1396	1400	1405	rBV6	738119	1178390	16.48%	0.824%
56	10.363	1405	1407	1411	rBV2	627051	845225	11.82%	0.591%
57	10.463	1420	1424	1429	rVB	2548990	2940169	41.12%	2.057%
58	10.569	1439	1442	1445	rVB	2341393	2172372	30.38%	1.520%
59	10.616	1448	1450	1453	rVB	660775	542751	7.59%	0.380%
60	10.680	1459	1461	1462	rBV	656006	492587	6.89%	0.345%
61	10.698	1462	1464	1468	rVB	1101785	989267	13.84%	0.692%
62	10.839	1483	1488	1491	rBV	3262232	4052972	56.69%	2.836%
63	11.010	1513	1517	1519	rBV2	1158662	1460496	20.43%	1.022%
64	11.039	1519	1522	1528	rVB2	1045569	1324426	18.52%	0.927%
65	11.304	1563	1567	1572	rVB2	2883342	3723068	52.07%	2.605%
66	11.439	1582	1590	1592	rBV	4284930	7149724	100.00%	5.002%
67	11.480	1594	1597	1600	rVB	1919558	1694278	23.70%	1.185%
68	11.657	1624	1627	1629	rVB	991770	943001	13.19%	0.660%
69	11.733	1638	1640	1649	rVB2	977355	1388559	19.42%	0.971%
70	11.910	1667	1670	1672	rBV	1903431	1943454	27.18%	1.360%
71	11.939	1672	1675	1680	rVB	2428454	2678600	37.46%	1.874%

LSC Area Percent Report

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Acq On : 23 Jul 2019 23:55
Operator : HP/JU
Sample : K3943-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.986	1681	1683	1685	rVV	825374	778306	10.89%	0.545%
73	12.027	1686	1690	1692	rVV2	2680584	3566118	49.88%	2.495%
74	12.051	1692	1694	1697	rVB	1825904	1441334	20.16%	1.008%
75	12.204	1717	1720	1722	rBV	1112450	962545	13.46%	0.673%
76	12.386	1749	1751	1754	rBV2	1153653	1097985	15.36%	0.768%
77	12.463	1761	1764	1767	rBV	1704566	2024364	28.31%	1.416%
78	12.633	1789	1793	1796	rVB	3592636	4979455	69.65%	3.484%
79	12.868	1827	1833	1837	rVB	3897215	6787738	94.94%	4.749%
80	12.986	1851	1853	1856	rVB	1282241	1201411	16.80%	0.841%
81	13.068	1865	1867	1874	rVB4	1174050	2009075	28.10%	1.406%
82	13.163	1880	1883	1884	rBV2	810178	985661	13.79%	0.690%
83	13.186	1884	1887	1889	rVB	2121311	2096428	29.32%	1.467%
84	13.251	1895	1898	1901	rBV2	1388715	1320916	18.48%	0.924%
85	13.292	1902	1905	1908	rVB	1589138	1493903	20.89%	1.045%
86	13.380	1918	1920	1923	rVB	1197929	1029414	14.40%	0.720%
87	13.415	1923	1926	1928	rVB	1523455	1227956	17.17%	0.859%
88	13.857	1998	2001	2007	rBV4	673675	1281515	17.92%	0.897%
89	14.045	2028	2033	2036	rBV2	3176542	5240626	73.30%	3.666%
90	14.086	2037	2040	2046	rVB	3388627	3977433	55.63%	2.783%
91	14.439	2097	2100	2103	rVB	1392714	1372415	19.20%	0.960%
92	14.474	2103	2106	2109	rVB	874461	835570	11.69%	0.585%
93	14.562	2119	2121	2123	rBV	705465	565030	7.90%	0.395%
94	15.109	2208	2214	2217	rBV	2124996	4375972	61.20%	3.062%
95	15.209	2228	2231	2234	rBV	608063	694785	9.72%	0.486%
96	15.409	2261	2265	2270	rVB	1673243	2561510	35.83%	1.792%
97	15.480	2271	2277	2280	rBV	2437371	3444811	48.18%	2.410%
98	15.533	2284	2286	2289	rVB	525649	511940	7.16%	0.358%
99	17.027	2534	2540	2545	rVB	1147285	2230626	31.20%	1.561%
100	17.480	2611	2617	2625	rVB	894476	1964736	27.48%	1.375%

Sum of corrected areas: 142934764

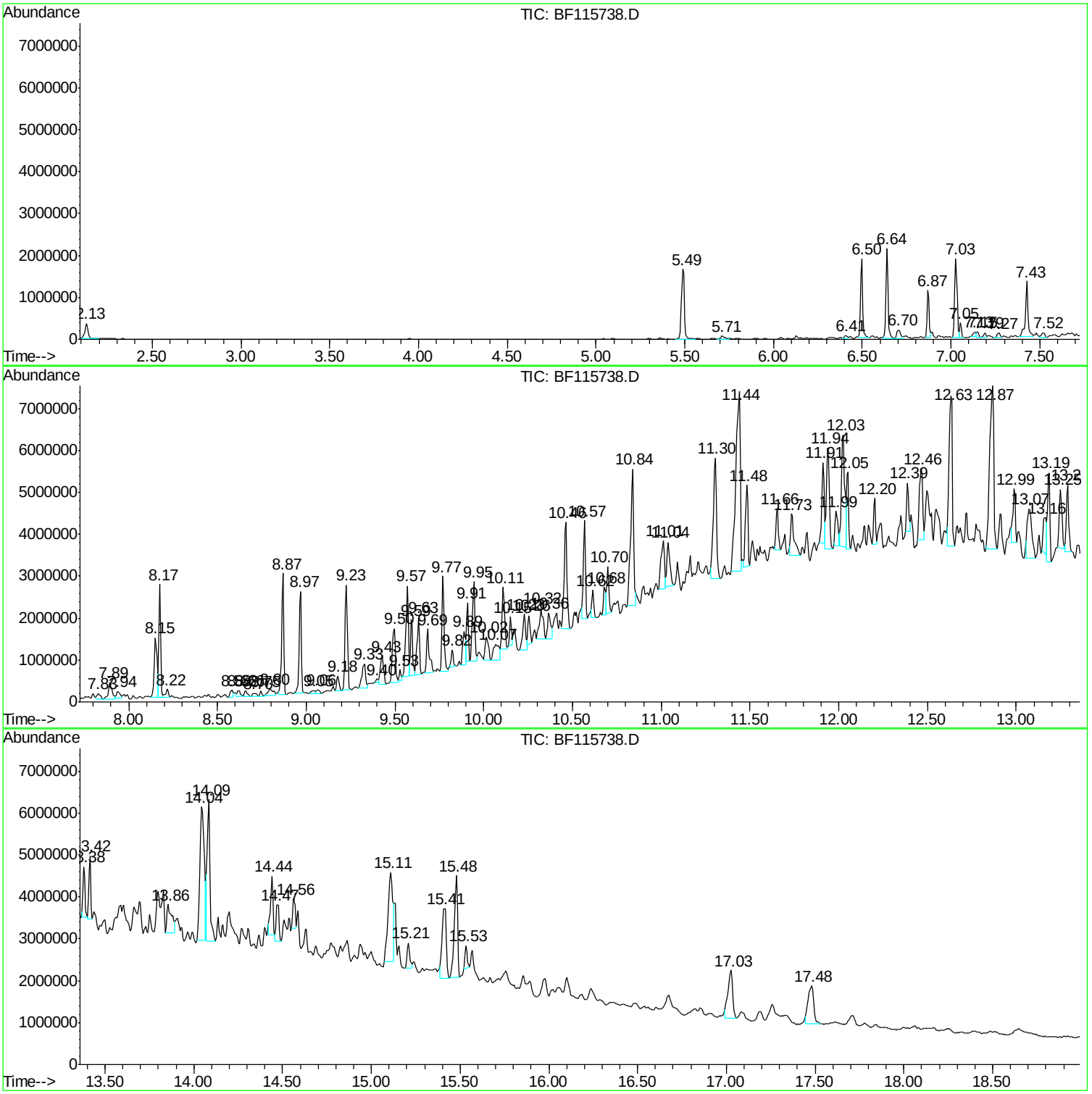
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
Data File : BF115738.D
Acq On : 23 Jul 2019 23:55
Operator : HP/JU
Sample : K3943-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PA-71619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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\BF072319\
Data File : BF115738.D
Acq On : 23 Jul 2019 23:55
Operator : HP/JU
Sample : K3943-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

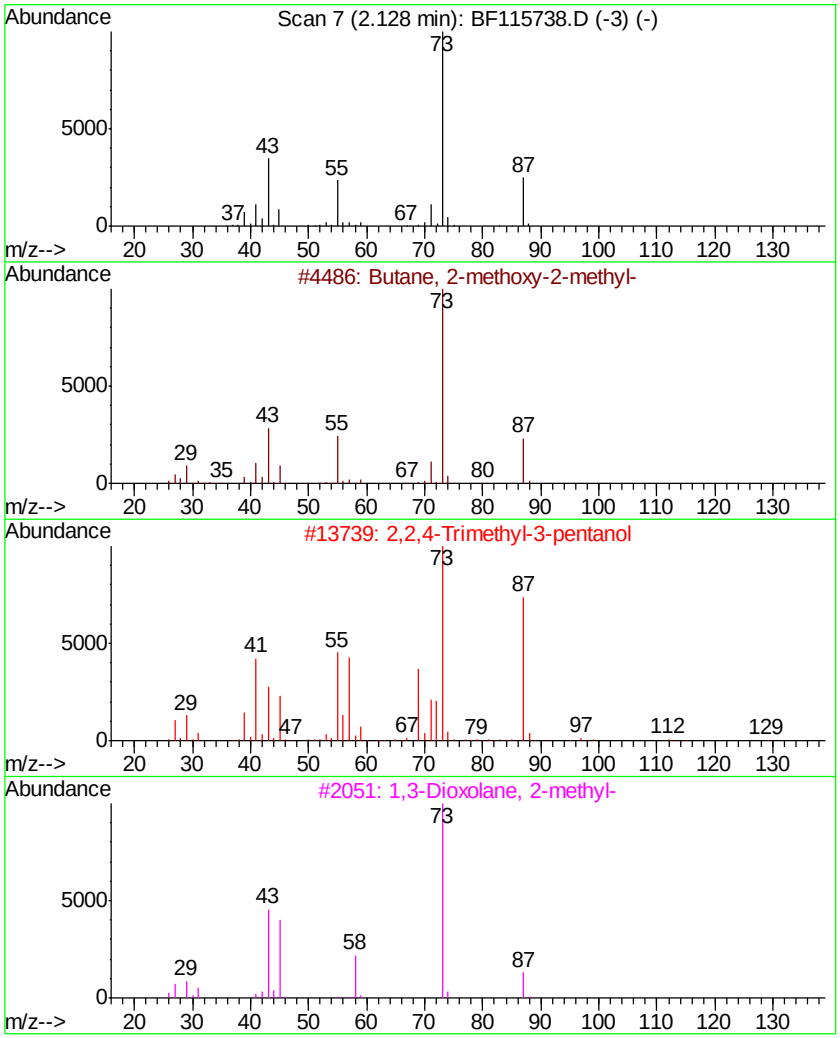
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

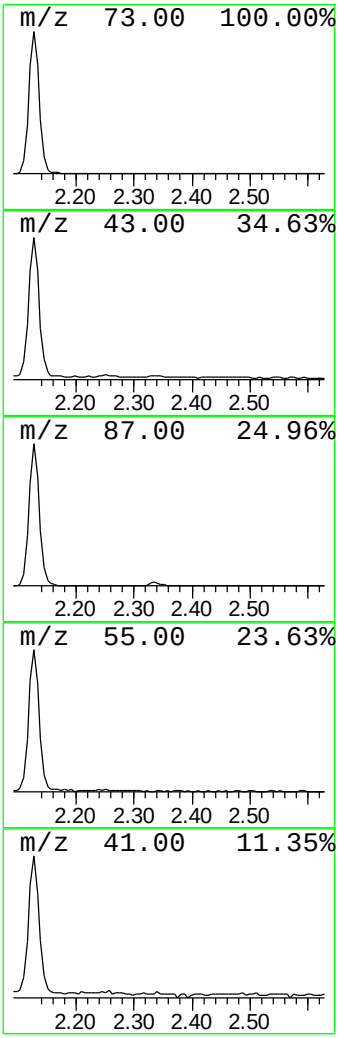
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	9.35 ng	471727	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
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Instrument : BNA_F
ClientSampleId : PA-71619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

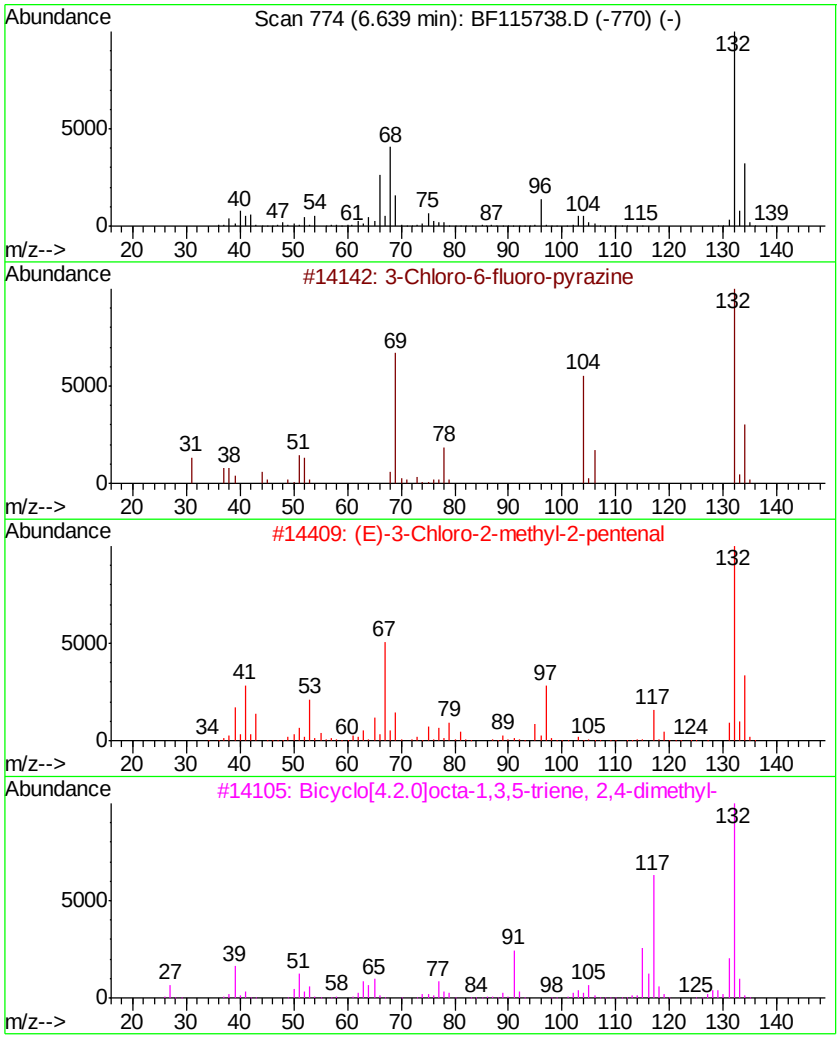
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

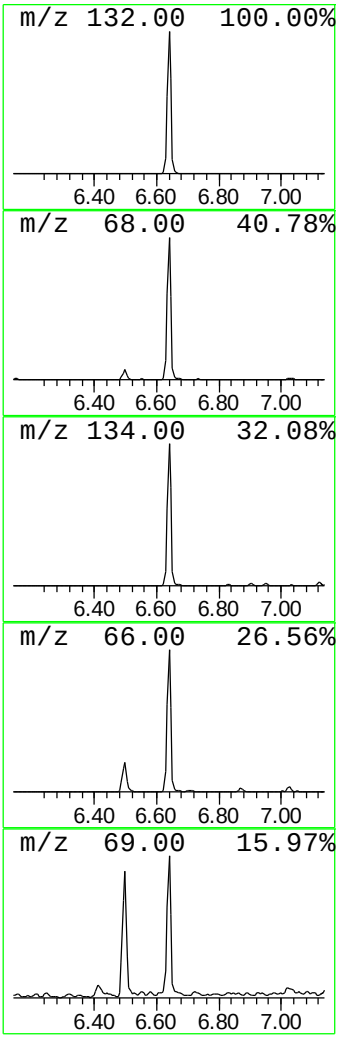
****

Peak Number 2 unknown6.64 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	38.13 ng	1923830	1,4-Dichlorobenzene-d4	6.87

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	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Instrument : BNA_F
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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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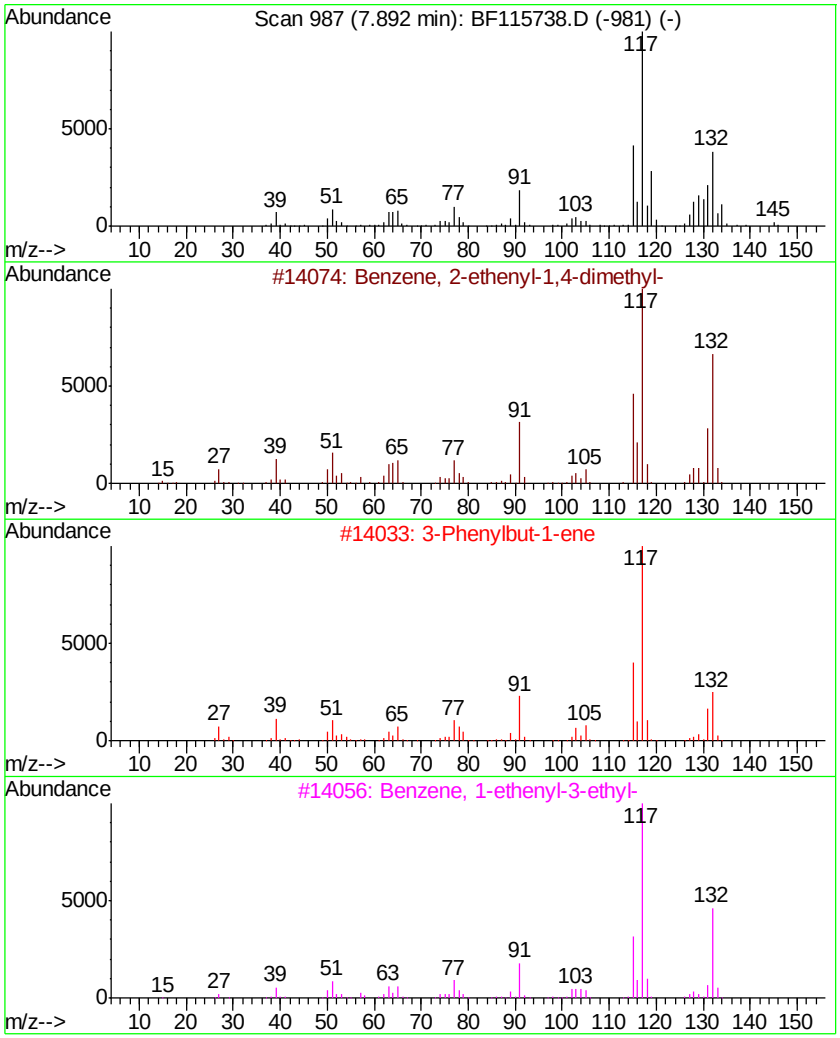
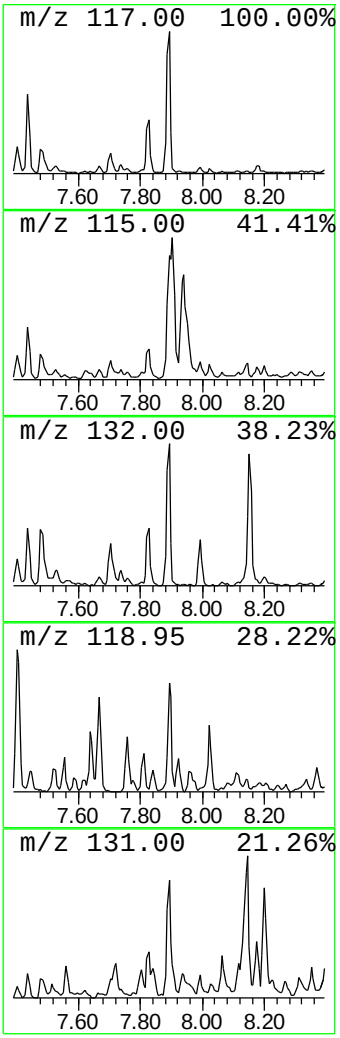
Peak Number 4 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	8.52 ng	612654	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
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Acq On : 23 Jul 2019 23:55
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Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

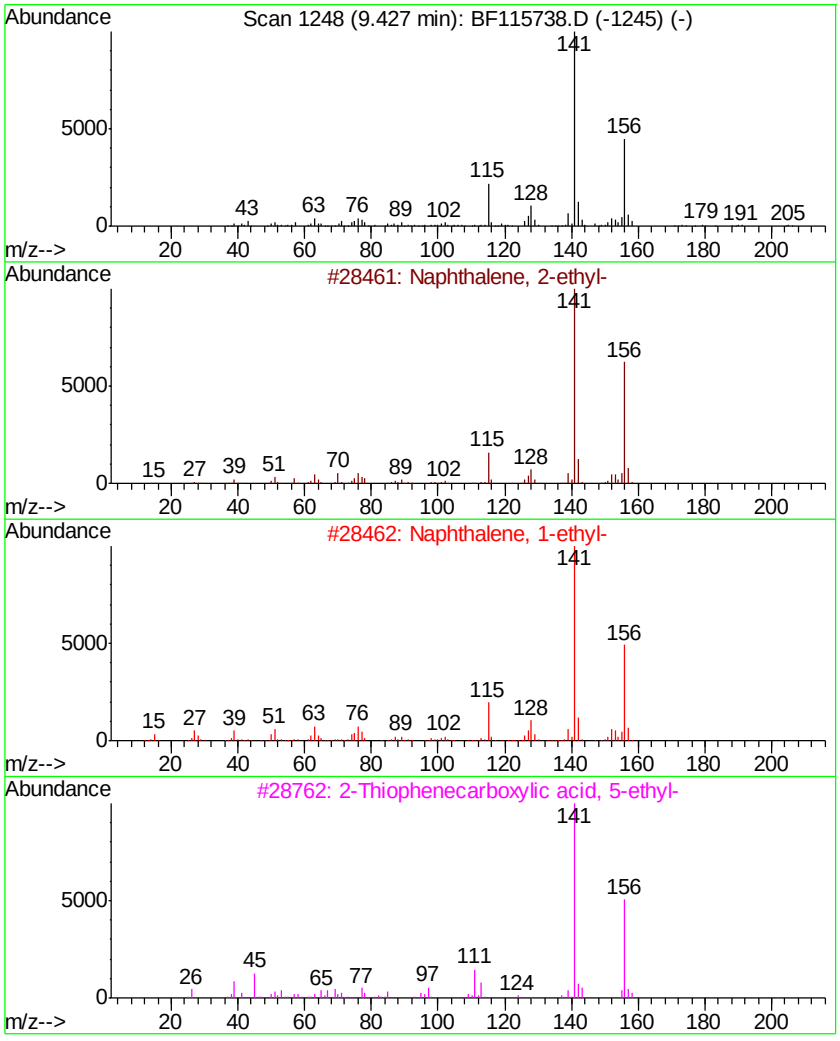
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

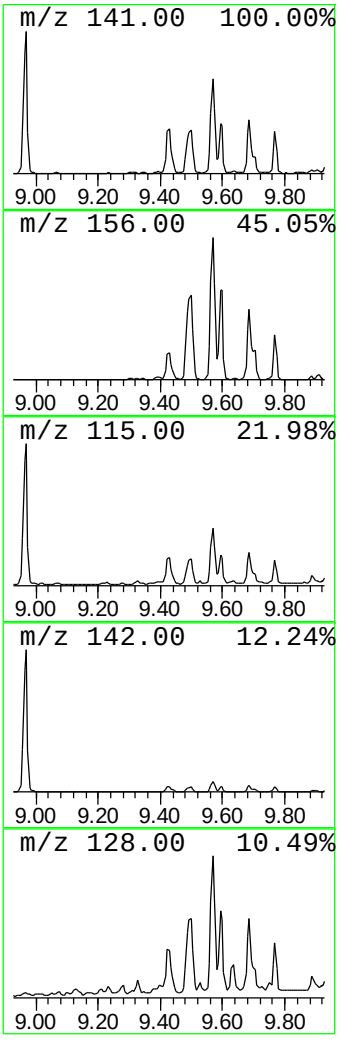
****

Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	15.34 ng	820795	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59
5	Butethal	212	C10H16N2O3	000077-28-1	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
Data File : BF115738.D
Acq On : 23 Jul 2019 23:55
Operator : HP/JU
Sample : K3943-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

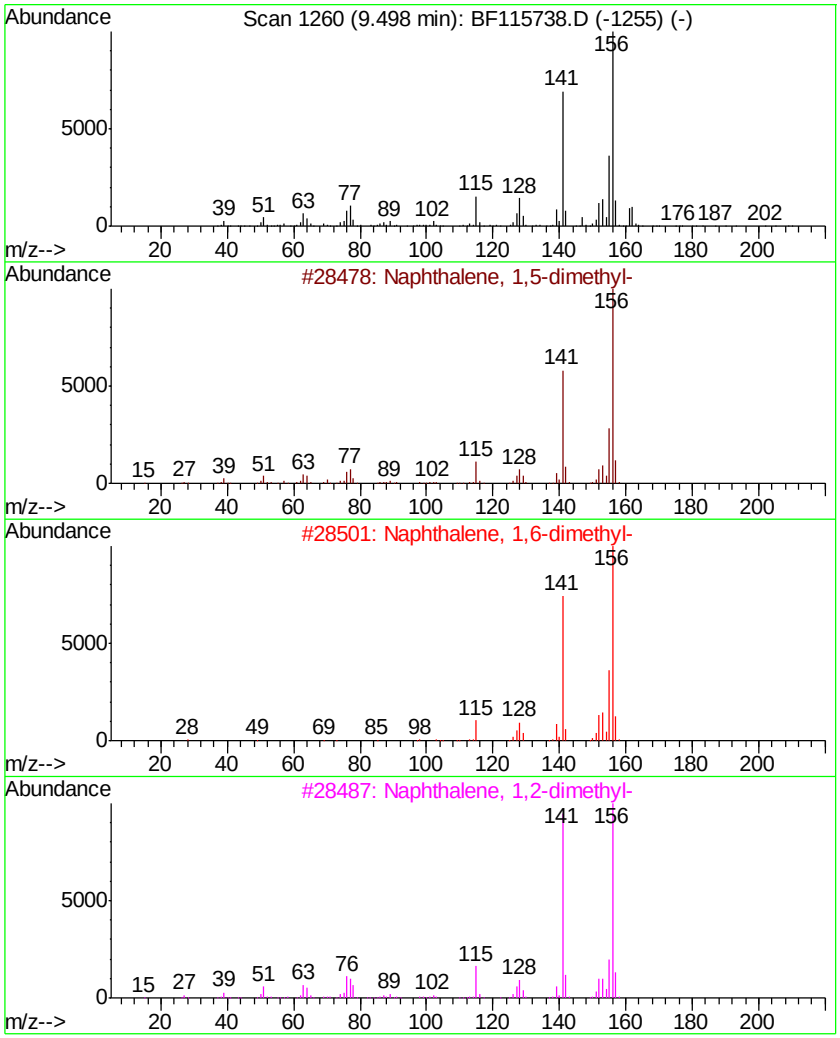
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

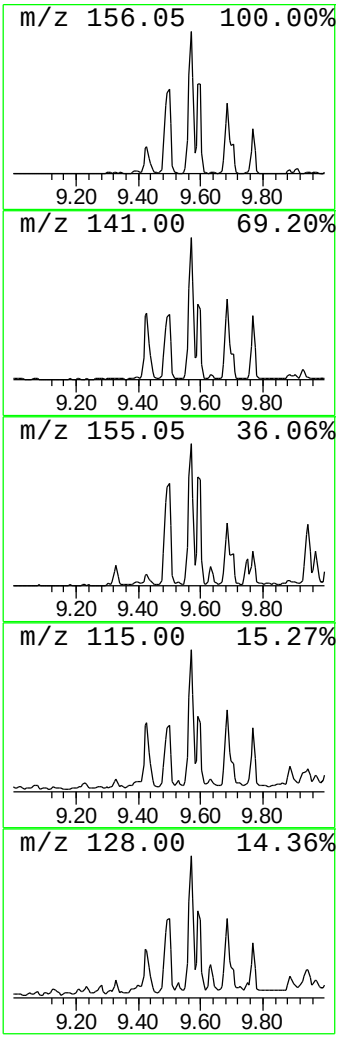
****

Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	32.14 ng	1719700	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Operator : HP/JU
Sample : K3943-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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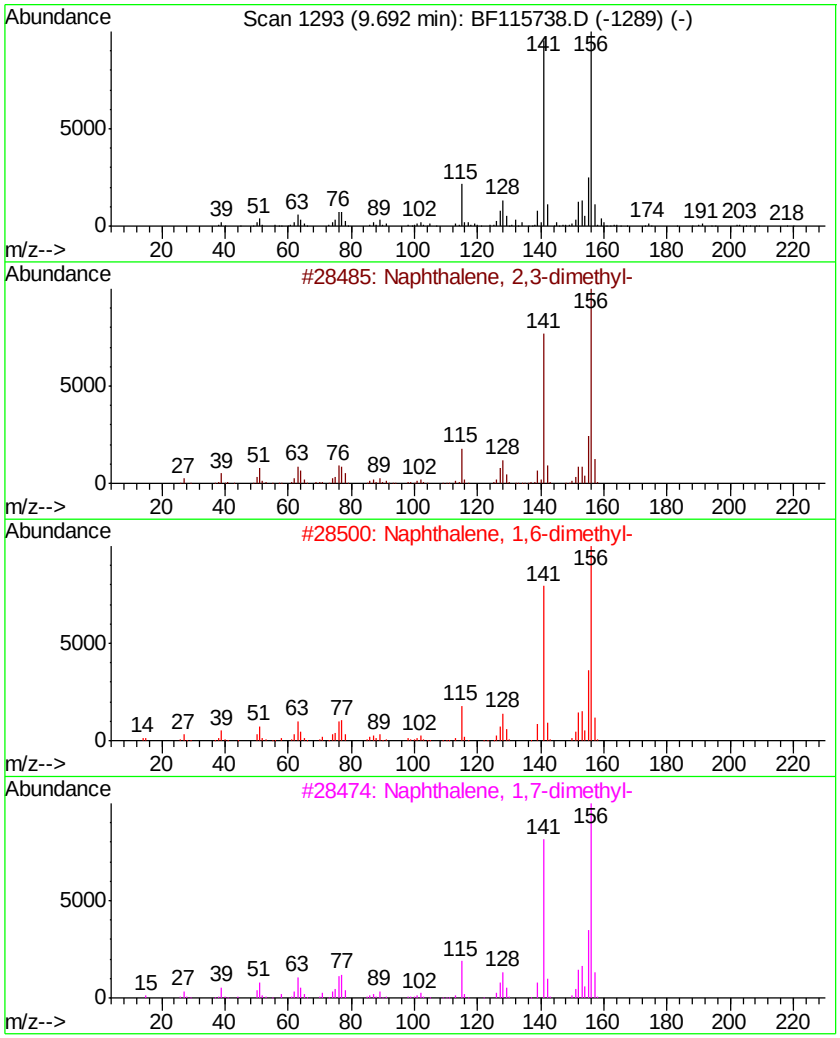
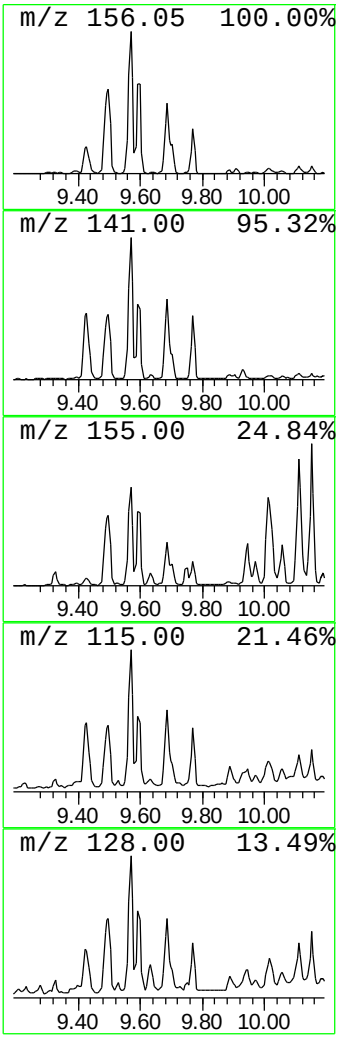
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	21.01 ng	1124280	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





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Sample : K3943-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

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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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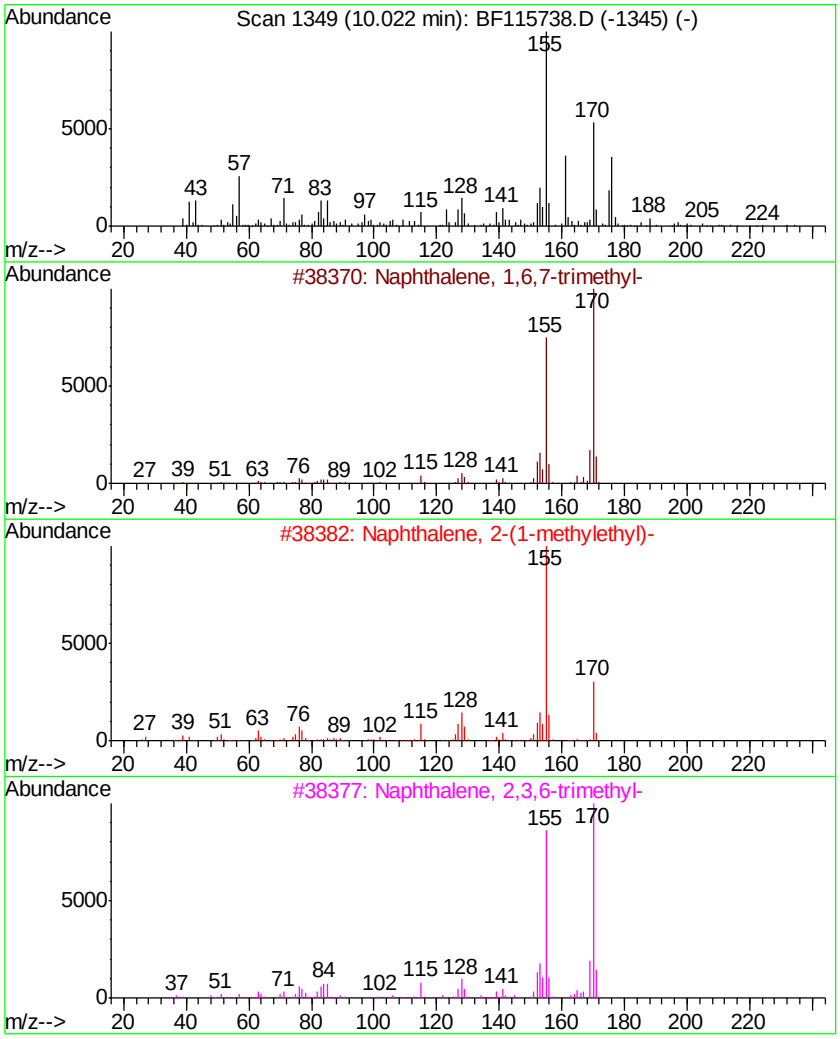
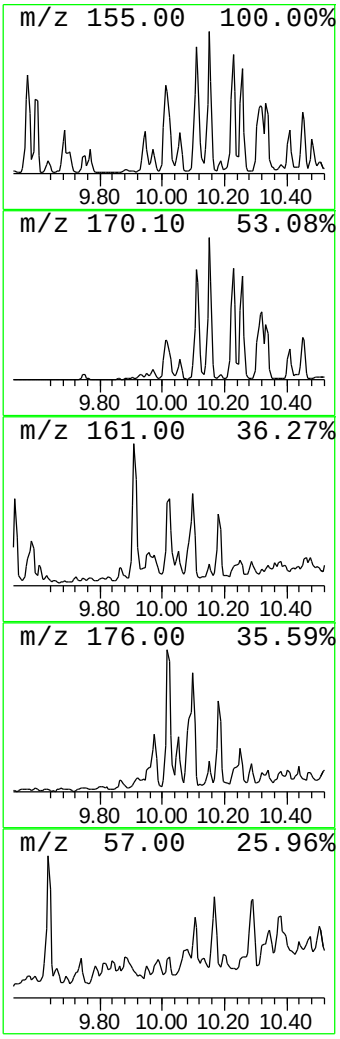
Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	12.39 ng	662992	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	89
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	89
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	76
5	Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	60





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

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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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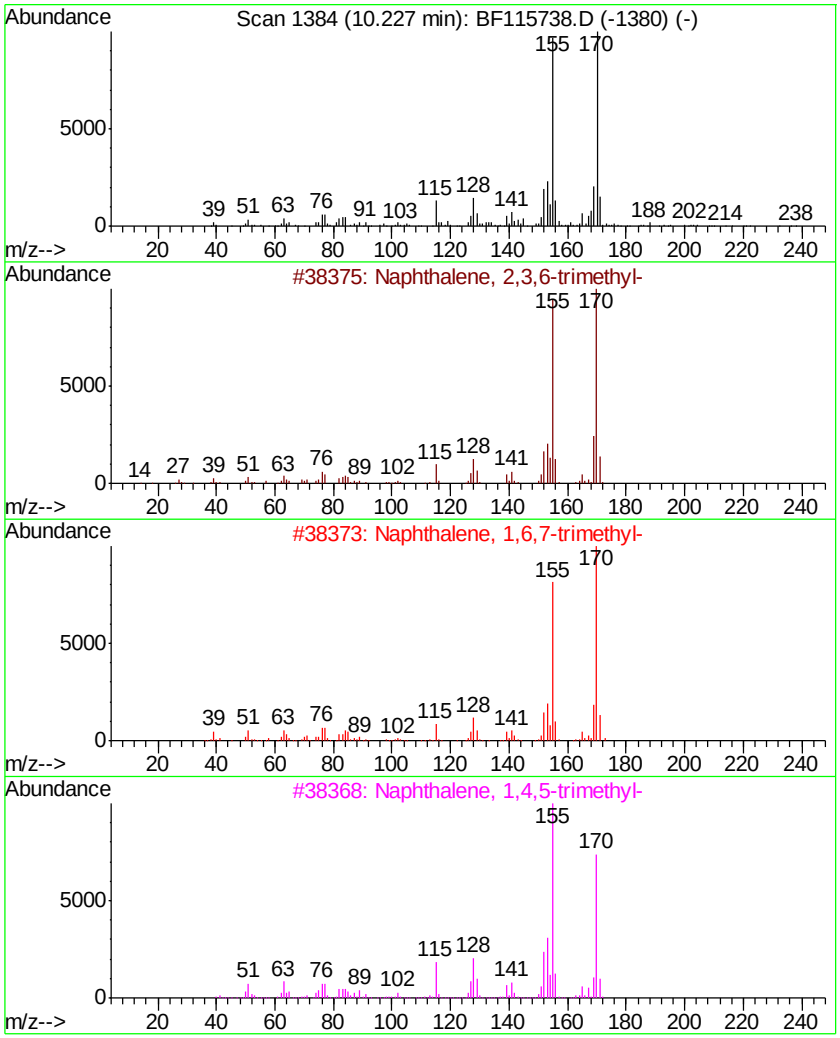
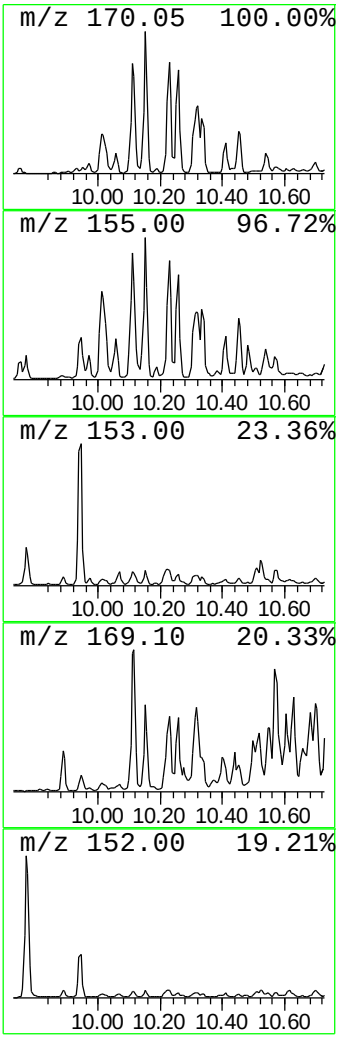
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	19.83 ng	1061400	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

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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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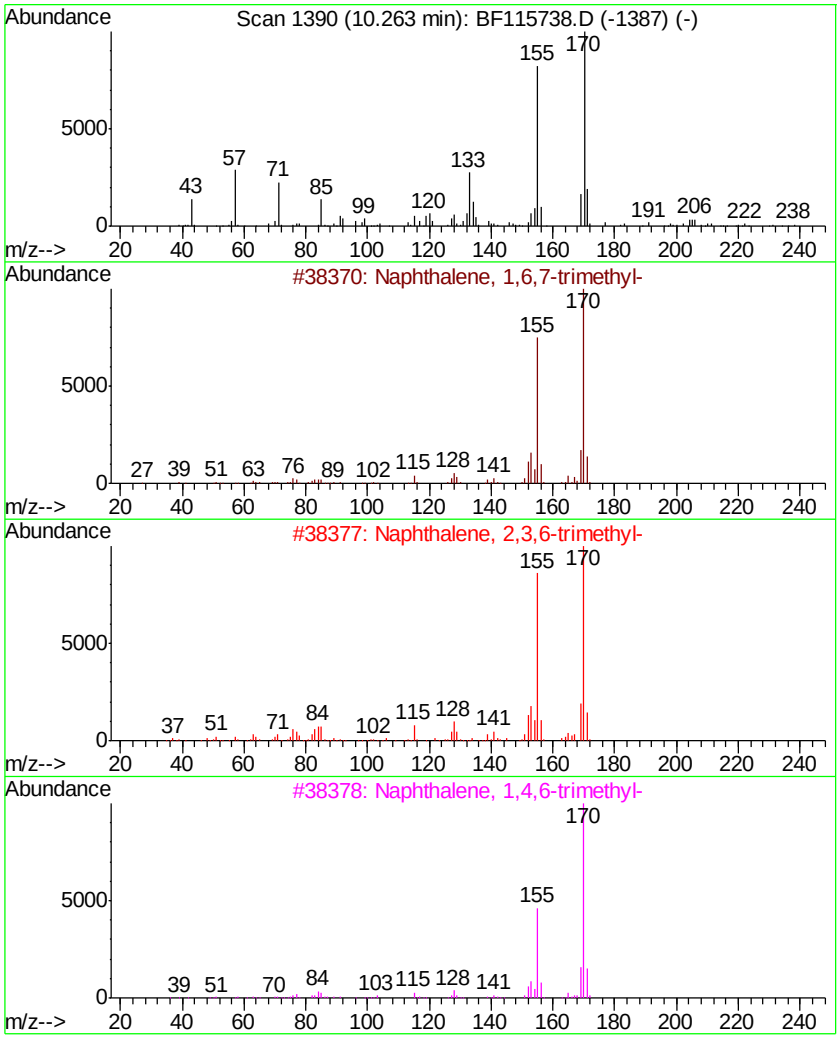
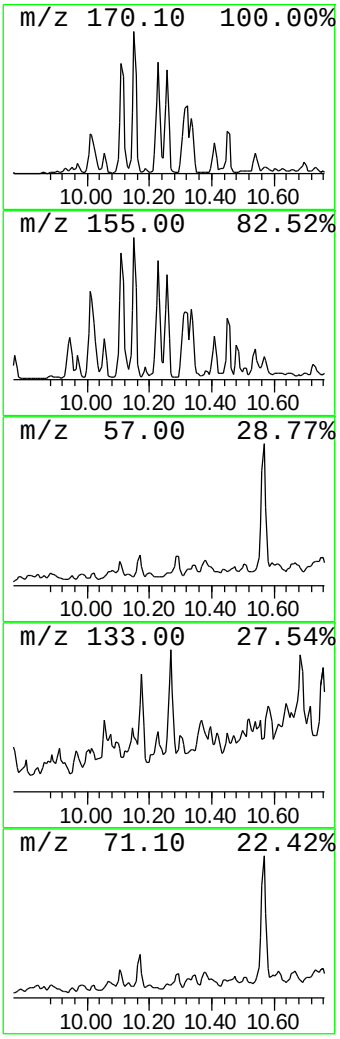
Peak Number 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	9.42 ng	504002	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87





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Sample : K3943-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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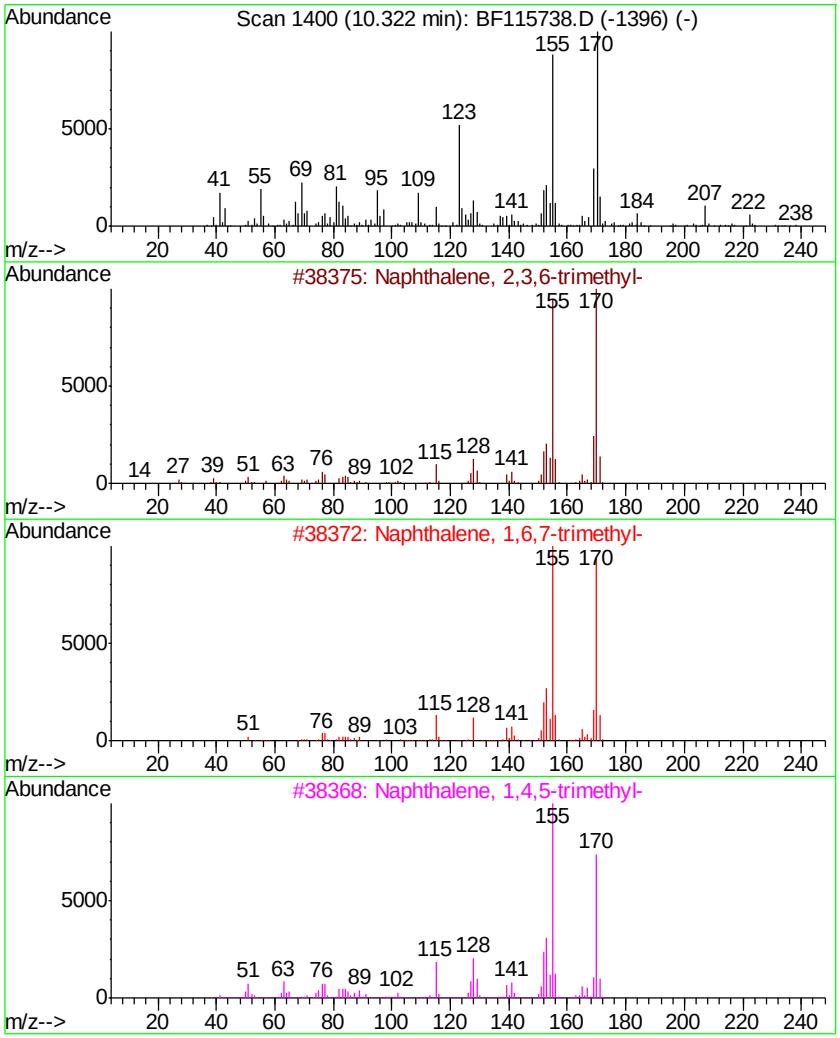
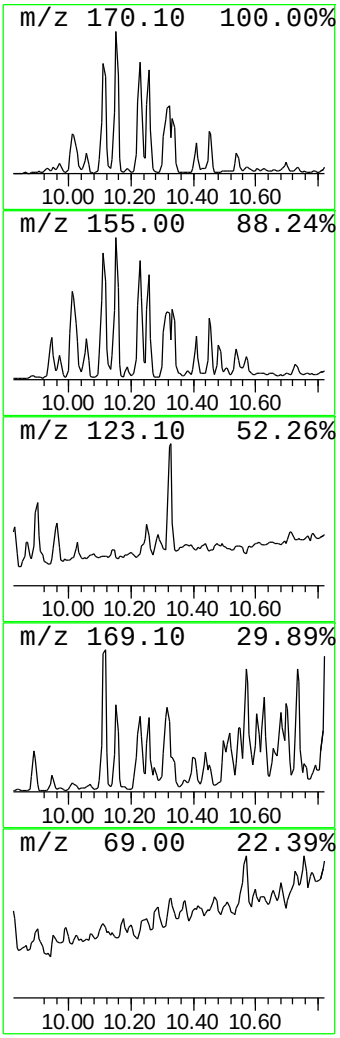
Peak Number 11 Naphthalene, 1,4,5-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	22.02 ng	1178390	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	89





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Misc :
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Instrument : BNA_F
ClientSampleId : PA-71619

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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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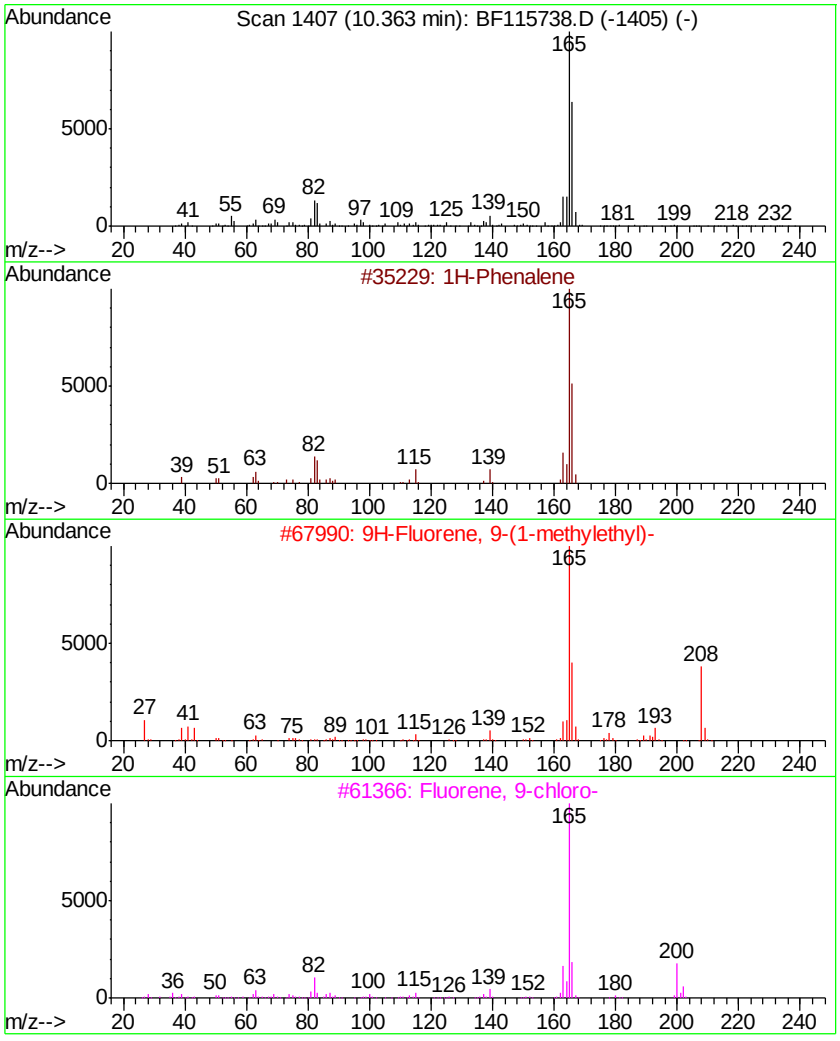
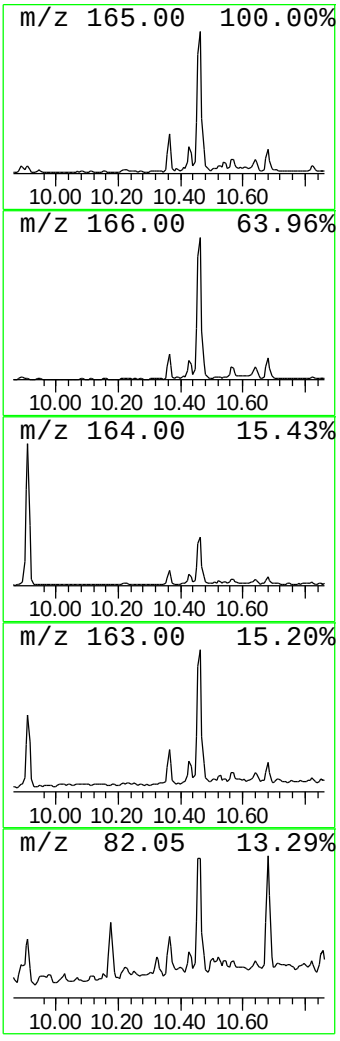
Peak Number 12 1H-Phenalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	15.79 ng	845225	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	90
2	9H-Fluorene, 9-(1-methylethyl)-	208	C16H16	003299-99-8	59
3	Fluorene, 9-chloro-	200	C13H9Cl	006630-65-5	53
4	Fluorene-9-methanol	196	C14H12O	024324-17-2	50
5	Fluorene	166	C13H10	000086-73-7	43





Library Search Compound Report

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Sample : K3943-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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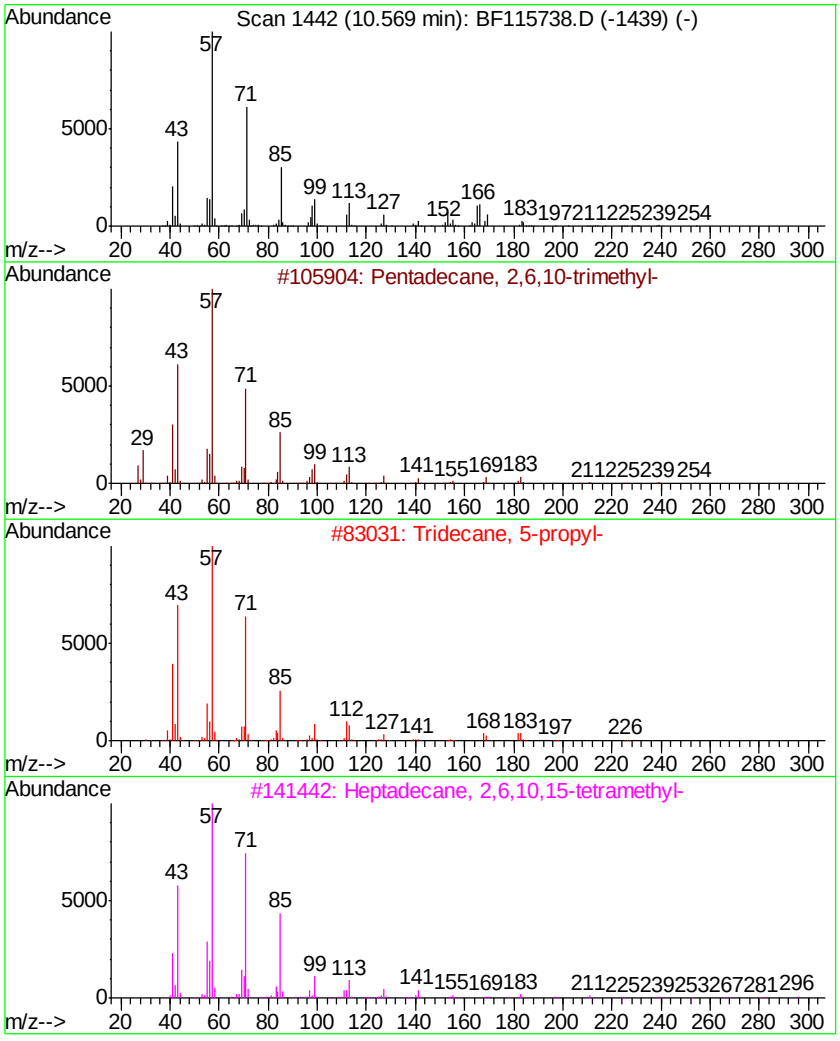
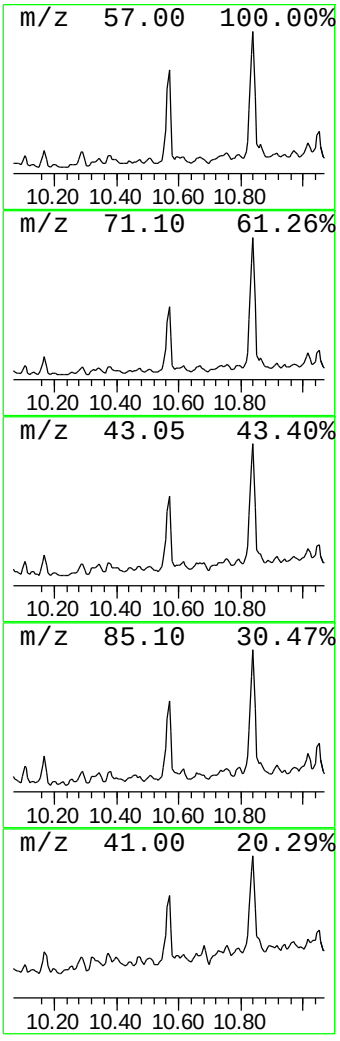
Peak Number 13 Pentadecane, 2,6,10-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	40.59 ng	2172370	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	68
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	58
4	Heptacosane	380	C27H56	000593-49-7	58
5	Tridecane	184	C13H28	000629-50-5	52





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : PA-71619

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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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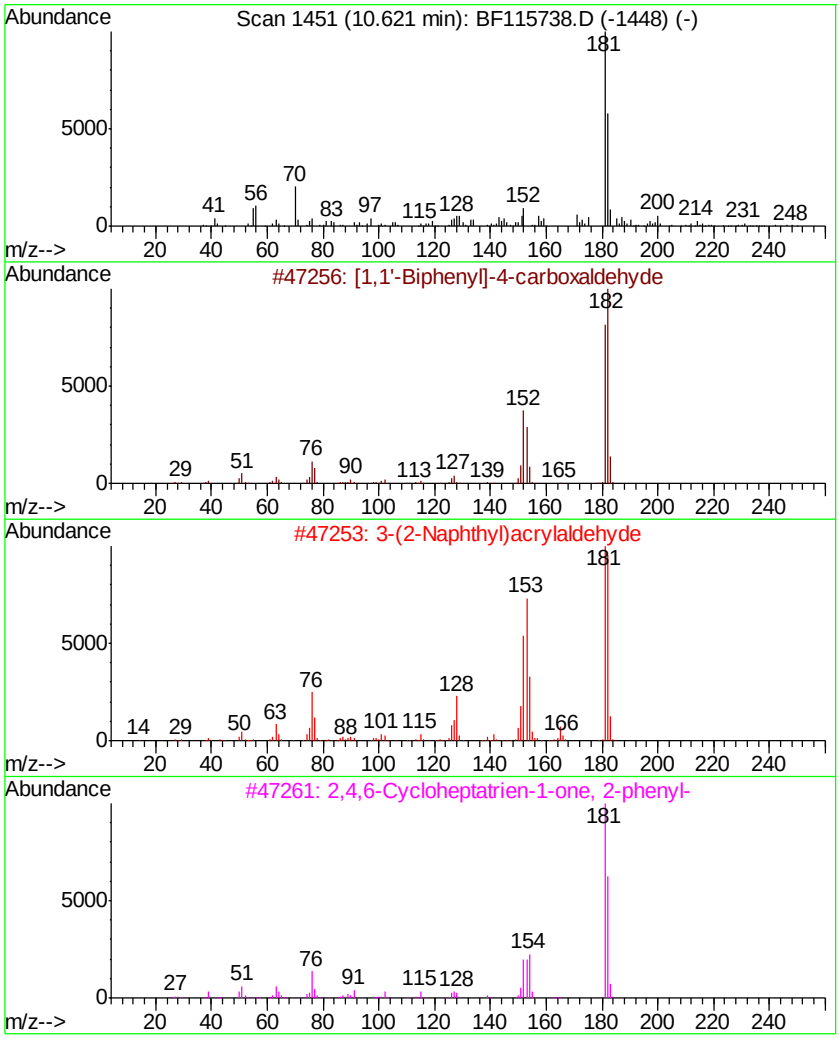
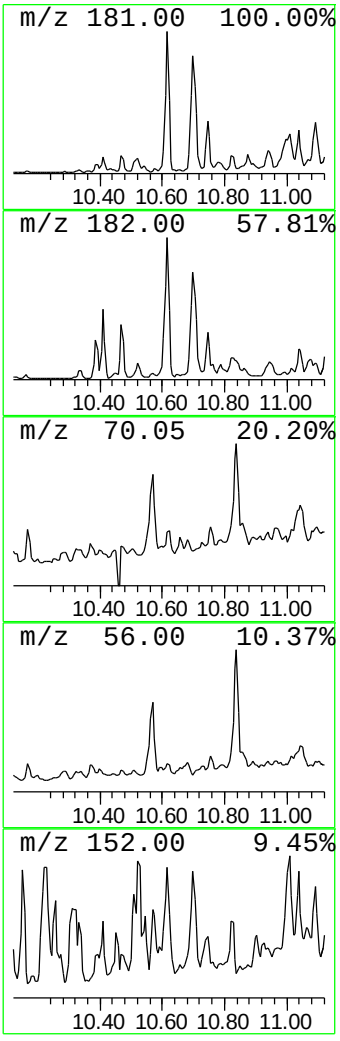
Peak Number 14 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	10.14 ng	542751	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
2	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	53
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	53





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ClientSampleId : PA-71619

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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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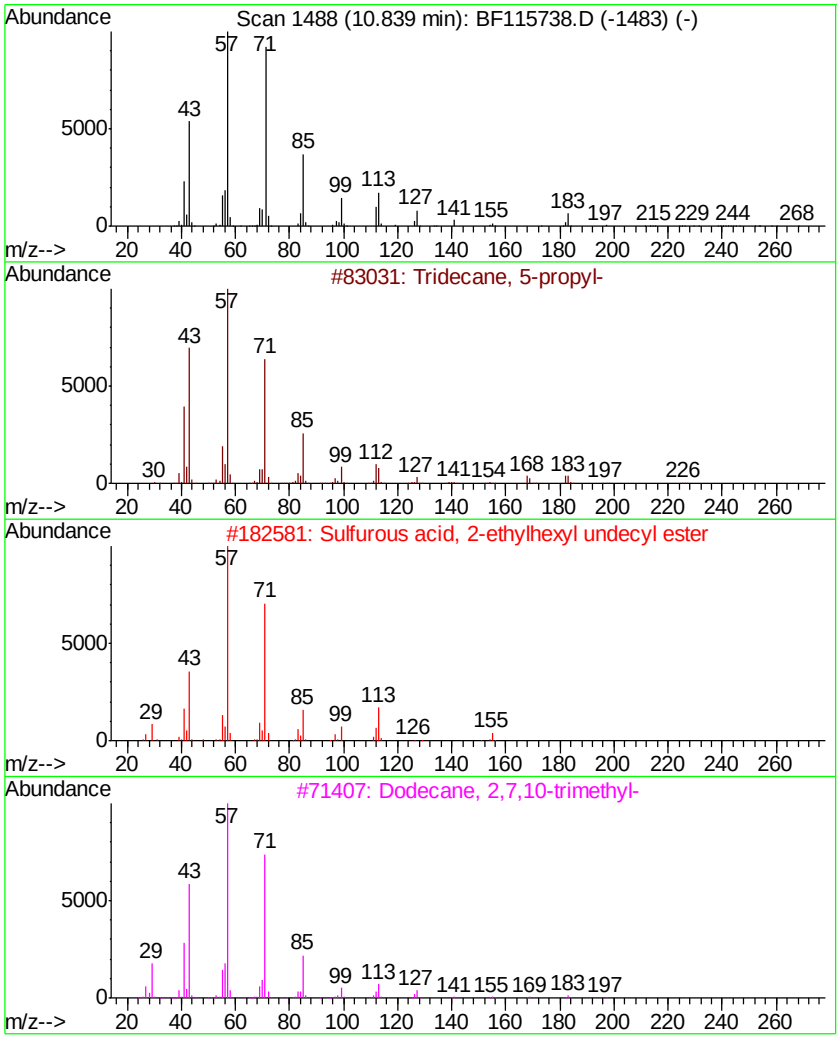
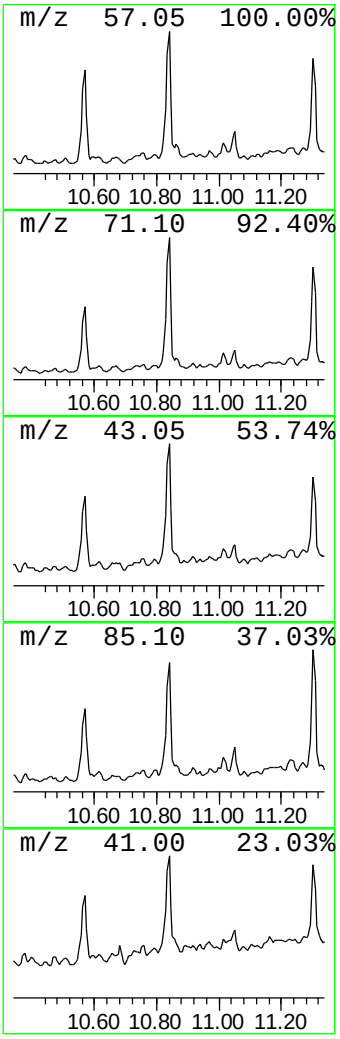
Peak Number 15 Tridecane, 5-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	11.34 ng	4052970	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	83
2	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	80
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	68
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64





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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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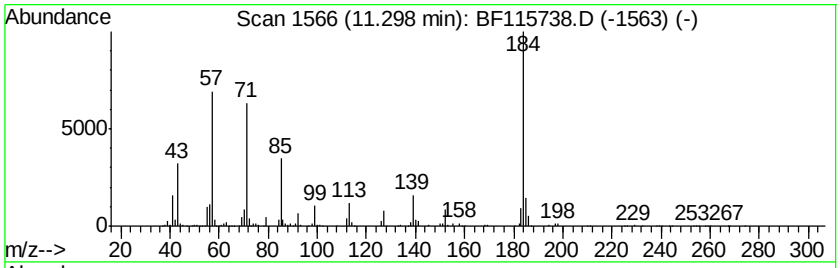
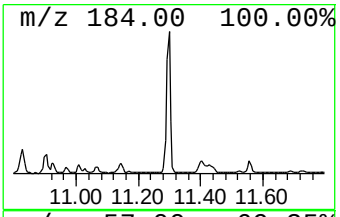
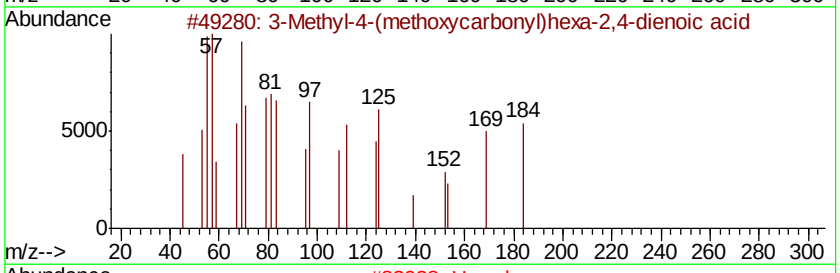
Peak Number 16 3-Methyl-4-(methoxycarbonyl... Concentration Rank 14

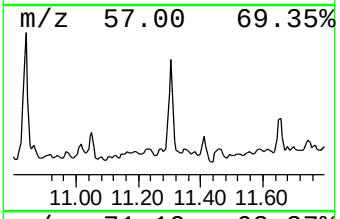
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	10.41 ng	3723070	Phenanthrene-d10	11.40

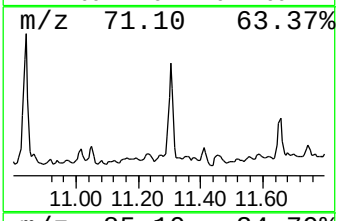
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	91
2	Hexadecane	226	C16H34	000544-76-3	72
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
4	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	64

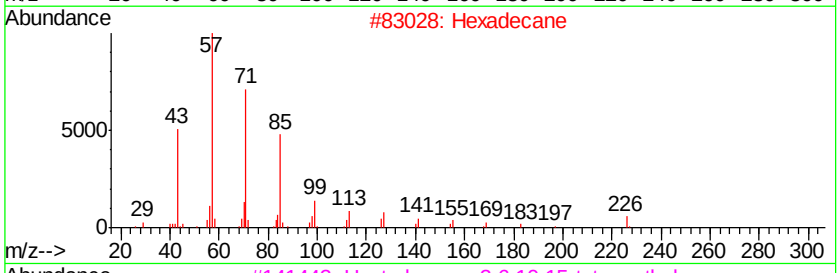


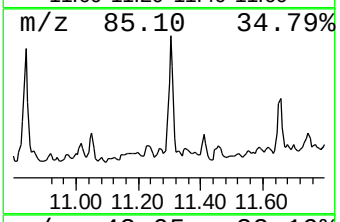


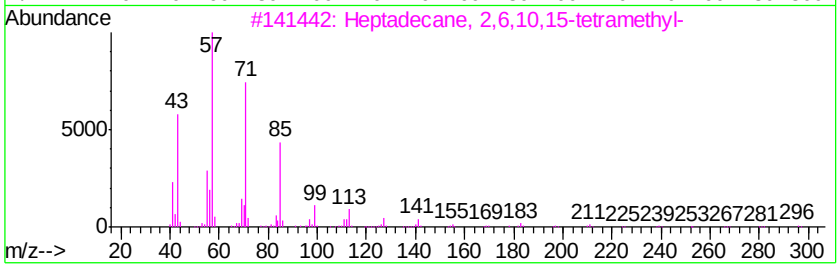


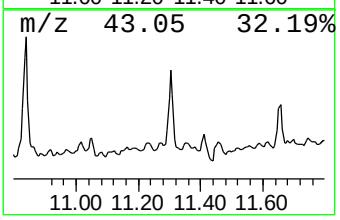












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
Data File : BF115738.D
Acq On : 23 Jul 2019 23:55
Operator : HP/JU
Sample : K3943-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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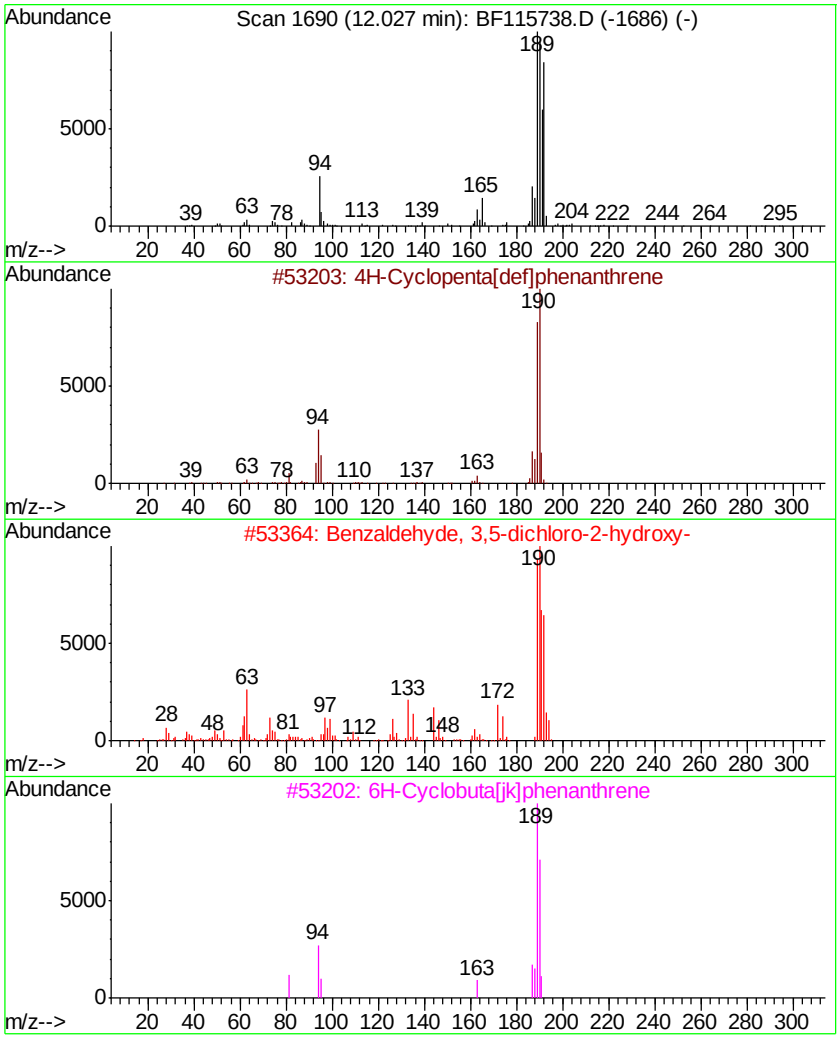
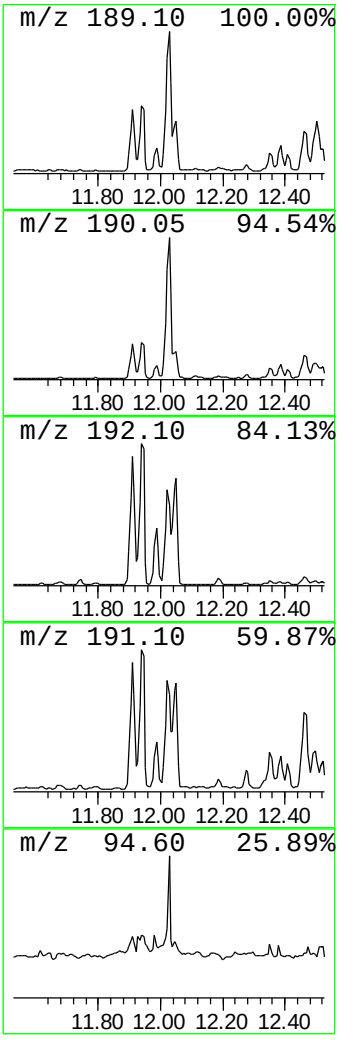
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	9.98 ng	3566120	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	1-Chloro-4-(2-chloro-2-fluoroeth...	190	C8H5Cl2F	1000305-36-3	35
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	35





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Misc :
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Instrument : BNA_F
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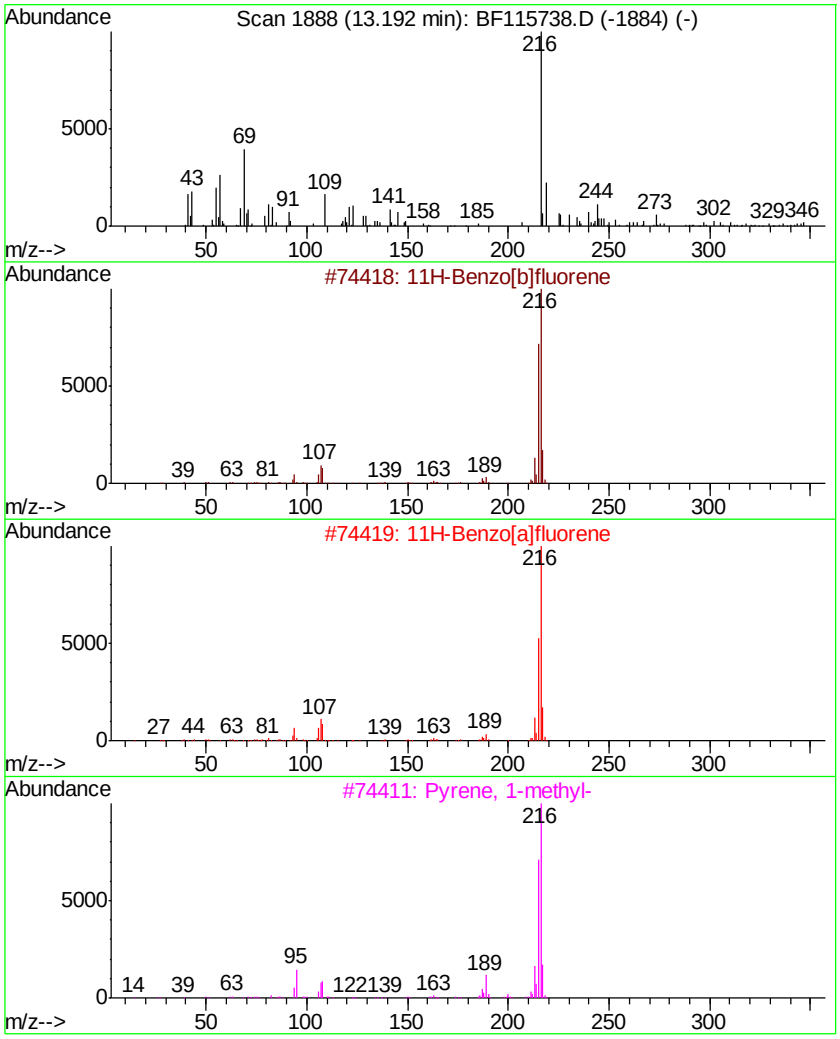
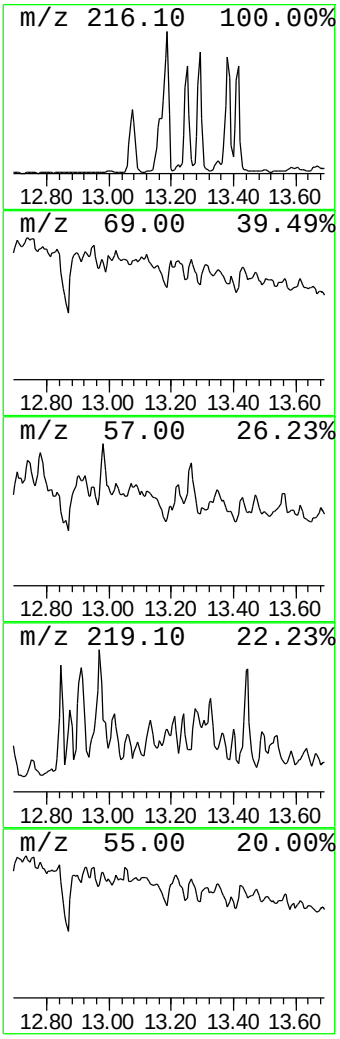
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	8.00 ng	2096430	Chrysene-d12	14.06

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	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Library Search Compound Report

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Data File : BF115738.D
Acq On : 23 Jul 2019 23:55
Operator : HP/JU
Sample : K3943-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PA-71619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
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TIC Library : C:\DATABASE\NIST11.L
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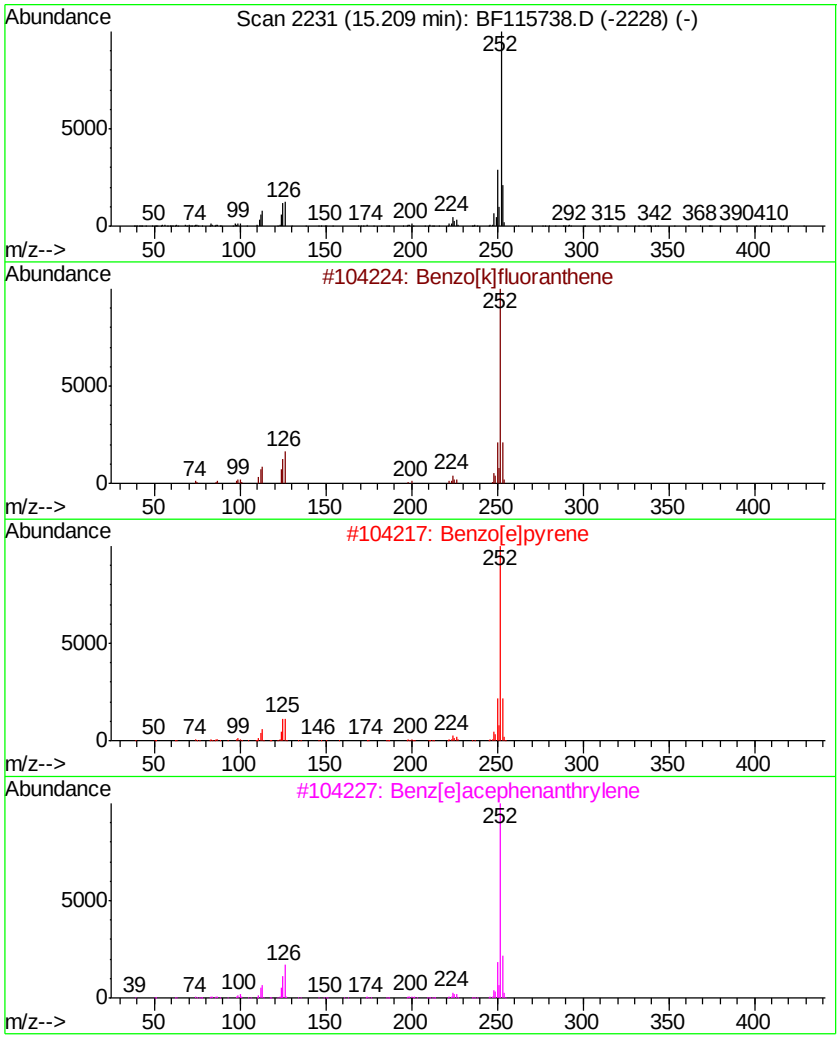
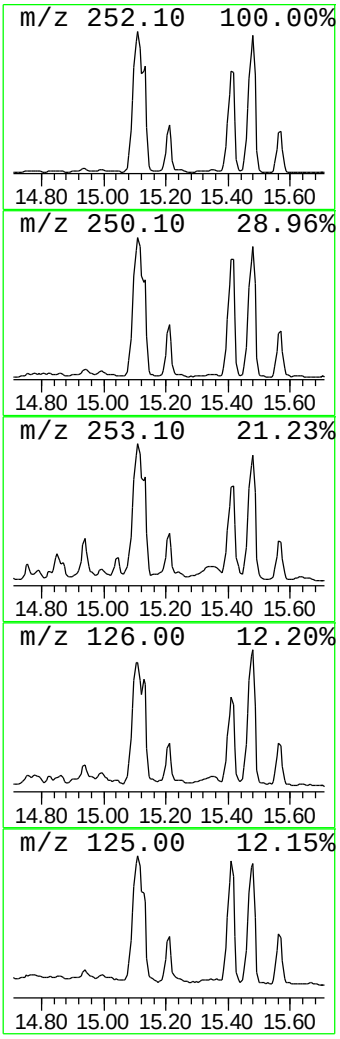
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	27.14 ng	694785	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Perylene	252	C20H12	000198-55-0	89





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Sample : K3943-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : PA-71619

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

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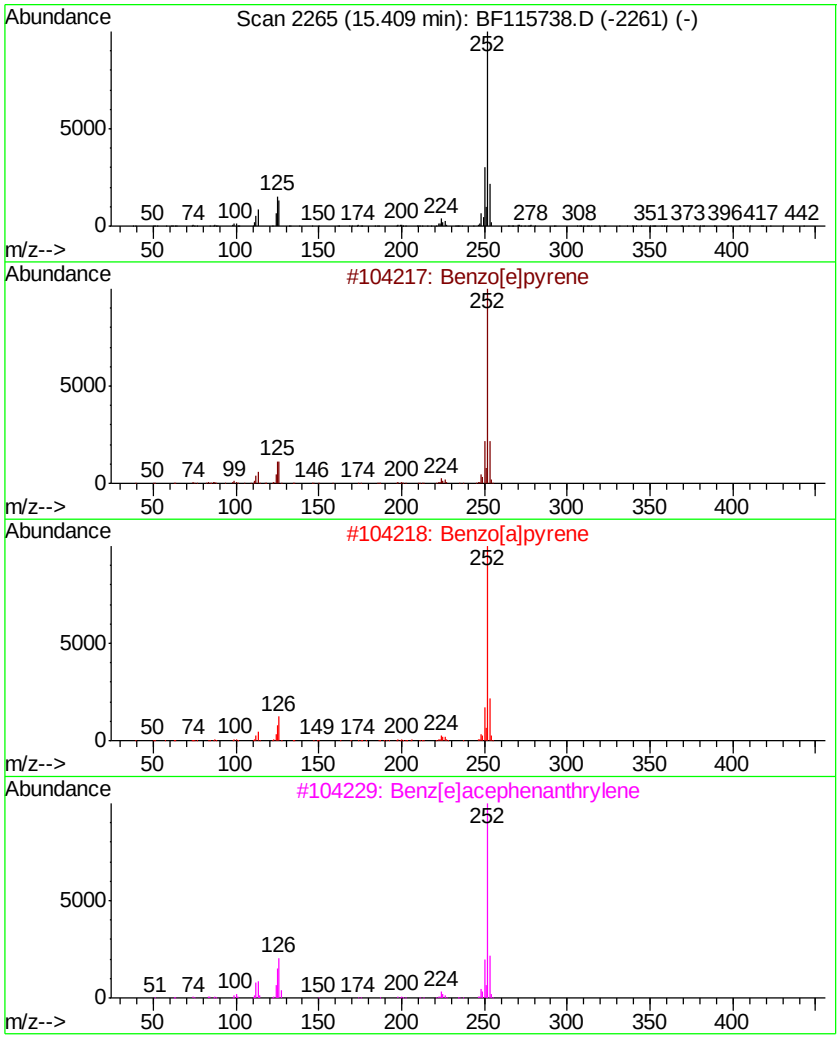
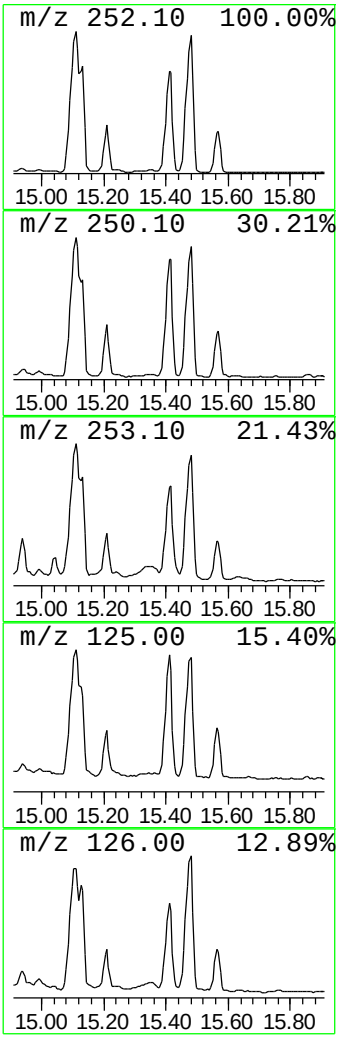
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	100.07 ng	2561510	Perylene-d12	15.53

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	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072319\
Data File : BF115738.D
Acq On : 23 Jul 2019 23:55
Operator : HP/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.13	9.3	ng	471727	1	6.87	1009170	20.0
unknown6.64	6.64	38.1	ng	1923830	1	6.87	1009170	20.0
Benzene, 2-etheny...	7.89	8.5	ng	612654	2	8.15	1437670	20.0
Naphthalene, 2-et...	9.43	15.3	ng	820795	3	9.91	1070270	20.0
Naphthalene, 1,5-...	9.50	32.1	ng	1719700	3	9.91	1070270	20.0
Naphthalene, 2,3-...	9.69	21.0	ng	1124280	3	9.91	1070270	20.0
Naphthalene, 1,6,...	10.02	12.4	ng	662992	3	9.91	1070270	20.0
Naphthalene, 2,3,...	10.23	19.8	ng	1061400	3	9.91	1070270	20.0
Naphthalene, 1,4,...	10.26	9.4	ng	504002	3	9.91	1070270	20.0
Naphthalene, 1,4,...	10.32	22.0	ng	1178390	3	9.91	1070270	20.0
1H-Phenalene	10.36	15.8	ng	845225	3	9.91	1070270	20.0
Pentadecane, 2,6,...	10.57	40.6	ng	2172370	3	9.91	1070270	20.0
[1,1'-Biphenyl]-4...	10.62	10.1	ng	542751	3	9.91	1070270	20.0
Tridecane, 5-propyl-	10.84	11.3	ng	4052970	4	11.40	7149720	20.0
3-Methyl-4-(metho...	11.30	10.4	ng	3723070	4	11.40	7149720	20.0
4H-Cyclopenta[def...	12.03	10.0	ng	3566120	4	11.40	7149720	20.0
11H-Benzo[b]fluorene	13.19	8.0	ng	2096430	5	14.06	5240630	20.0
Benzo[e]pyrene	15.21	27.1	ng	694785	6	15.53	511940	20.0
Perylene	15.41	100.1	ng	2561510	6	15.53	511940	20.0