LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

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-BF020320.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	5.028	496	500	505	rVB	129187	154738	4.65%	0.193%
2	5.434	565	569	579	rVB	3196859	3052370	91.64%	3.806%
3	6.063	673	676	682	rVB3	185847	225531	6.77%	0.281%
4	6.251	703	708	713	rBV2	76938	131772	3.96%	0.164%
5	6.345	721	724	726	rBV2	153851	153891	4.62%	0.192%
6	6.445	736	741	746	rBV	3030769	3134947	94.12%	3.909%
7	6.551	755	759	764	rBV4	85234	167410	5.03%	0.209%
8	6.804	799	802	804	rVV	1422380	1197246	35.94%	1.493%
9	6.828	804	806	810	rVB	249569	210682	6.33%	0.263%
10	6.963	825	829	832	rVV	3045471	2859443	85.85%	3.566%
11	7.057	839	845	847	rBV3	79406	133910	4.02%	0.167%
12	7.087	847	850	853	rVB2	189996	202370	6.08%	0.252%
13	7.122	853	856	859	rBV2	116570	134761	4.05%	0.168%
14	7.198	864	869	872	rBV2	246969	259147	7.78%	0.323%
15	7.363	887	897	900	rBV	2059291	2507803	75.29%	3.127%
16	7.451	908	912	916	rBV4	254949	358761	10.77%	0.447%
17	7.498	916	920	921	rBV4	109249	152421	4.58%	0.190%
18	7.522	921	924	927	rVV3	160433	205782	6.18%	0.257%
19	7.575	928	933	935	rVV2	170383	325340	9.77%	0.406%
20	7.616	937	940	943	rVB	213314	212641	6.38%	0.265%
21	7.692	949	953	955	rBV2	163737	209079	6.28%	0.261%
22	7.734	957	960	964	rVB3	311810	361009	10.84%	0.450%
23	7.775	964	967	970	rBV2	250764	257869	7.74%	0.322%
24	7.810	970	973	974	rBV	152029	140334	4.21%	0.175%
25	7.828	974	976	978	rVV2	189606	185024	5.55%	0.231%
26	7.857	978	981	984	rVB3	261198	280086	8.41%	0.349%
27	7.886	984	986	988	rBV	134758	133467	4.01%	0.166%
28	7.910	988	990	995	rVB3	208601	273676	8.22%	0.341%
29	7.957	995	998	1002	rBV2	170233	235378	7.07%	0.294%
30	8.045	1008	1013	1015	rBV4	236957	359892	10.80%	0.449%
31	8.086	1015	1020	1023	rBV	1622454	1919929	57.64%	2.394%
32	8.134	1026	1028	1030	rVV	308966	347989	10.45%	0.434%
33	8.157	1030	1032	1034	rVB	593555	444171	13.33%	0.554%
34	8.181	1034	1036	1039	rVB2	304084	231791	6.96%	0.289%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.210	1039	1041	1044	rVB3	127622	117417	3.53%	0.146%
36	8.263	1044	1050	1052	rBV4	299266	498977	14.98%	0.622%
37	8.298	1052	1056	1058	rVB3	268371	336369	10.10%	0.419%
38	8.345	1058	1064	1066	rBV4	169779	329529	9.89%	0.411%
39	8.381	1066	1070	1073	rVB5	506514	671403	20.16%	0.837%
40	8.416	1073	1076	1077	rBV2	144471	112715	3.38%	0.141%
41	8.439	1077	1080	1082	rVB3	357806	281175	8.44%	0.351%
42	8.475	1082	1086	1089	rBV2	324024	330488	9.92%	0.412%
43	8.516	1090	1093	1098	rBV2	823565	990544	29.74%	1.235%
44	8.557	1098	1100	1102	rVB2	402680	315083	9.46%	0.393%
45	8.598	1103	1107	1109	rBV2	337590	377365	11.33%	0.471%
46	8.633	1111	1113	1118	rVB3	294299	411385	12.35%	0.513%
47	8.704	1118	1125	1126	rBV6	233836	477825	14.35%	0.596%
48	8.781	1135	1138	1142	rVB3	513074	551624	16.56%	0.688%
49	8.839	1144	1148	1150	rBV3	268414	307557	9.23%	0.384%
50	8.975	1168	1171	1172	rBV3	183257	201118	6.04%	0.251%
51	8.998	1173	1175	1179	rVV5	248283	294814	8.85%	0.368%
52	9.116	1192	1195	1199	rBV2	1110944	993810	29.84%	1.239%
53	9.163	1199	1203	1206	rBV	3681045	3330923	100.00%	4.154%
54	9.245	1214	1217	1222	rBV4	413189	679789	20.41%	0.848%
55	9.363	1234	1237	1241	rVB3	357544	514341	15.44%	0.641%
56	9.422	1244	1247	1252	rVV2	370910	542592	16.29%	0.677%
57	9.475	1254	1256	1258	rVV3	241438	269876	8.10%	0.337%
58	9.504	1258	1261	1263	rVV2	793834	861027	25.85%	1.074%
59	9.569	1267	1272	1275	rVV2	1365596	1939120	58.22%	2.418%
60	9.622	1278	1281	1285	rVB2	538859	639947	19.21%	0.798%
61	9.704	1293	1295	1296	rBV	315519	261537	7.85%	0.326%
62	9.757	1301	1304	1307	rVB2	640770	615700	18.48%	0.768%
63	9.845	1312	1319	1321	rBV	1633590	2138314	64.20%	2.667%
64	9.880	1321	1325	1328	rBV3	368954	502271	15.08%	0.626%
65	9.951	1334	1337	1341	rVB2	493468	655217	19.67%	0.817%
66	9.992	1341	1344	1345	rBV	260751	265019	7.96%	0.330%
67	10.045	1350	1353	1356	rVB	743280	811599	24.37%	1.012%
68	10.110	1361	1364	1370	rVB5	489799	618081	18.56%	0.771%
69	10.163	1370	1373	1375	rBV	680168	656026	19.70%	0.818%
70	10.186	1375	1377	1379	rVB2	256440	199189	5.98%	0.248%
71	10.216	1380	1382	1384	rBV3	180599	156341	4.69%	0.195%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.251	1385	1388	1394	rVB3	565818	957187	28.74%	1.194%
73	10.304	1395	1397	1399	rBV3	206453	222021	6.67%	0.277%
74	10.386	1408	1411	1413	rBV3	672116	711954	21.37%	0.888%
75	10.480	1424	1427	1428	rBV2	255952	270836	8.13%	0.338%
76	10.504	1428	1431	1435	rVB	1526996	1462800	43.92%	1.824%
77	10.545	1436	1438	1443	rVB4	430143	579902	17.41%	0.723%
78	10.592	1443	1446	1447	rBV2	203934	211331	6.34%	0.264%
79	10.633	1448	1453	1456	rVB	2231474	2082084	62.51%	2.596%
80	10.669	1456	1459	1461	rBV2	219005	253004	7.60%	0.316%
81	10.769	1471	1476	1481	rBV2	2679022	2818808	84.63%	3.515%
82	10.833	1484	1487	1489	rBV3	272974	286992	8.62%	0.358%
83	10.969	1507	1510	1518	rVB5	563728	794486	23.85%	0.991%
84	11.057	1522	1525	1526	rBV2	234669	252437	7.58%	0.315%
85	11.075	1526	1528	1536	rBV7	244270	428202	12.86%	0.534%
86	11.233	1551	1555	1560	rVB2	1864353	2069460	62.13%	2.581%
87	11.327	1568	1571	1573	rBV	1233223	1229974	36.93%	1.534%
88	11.357	1573	1576	1581	rVV	1531038	1660402	49.85%	2.071%
89	11.404	1582	1584	1587	rVB	557077	438260	13.16%	0.547%
90	11.580	1608	1614	1617	rBV3	1366445	2332616	70.03%	2.909%
91	11.833	1654	1657	1659	rBV	667287	608020	18.25%	0.758%
92	11.857	1659	1661	1665	rVB	1189990	1096544	32.92%	1.367%
93	11.945	1673	1676	1678	rBV2	834910	800610	24.04%	0.998%
94	12.316	1736	1739	1744	rVB2	1066125	1432729	43.01%	1.787%
95	12.386	1748	1751	1754	rBV2	1169948	1223969	36.75%	1.526%
96	12.545	1775	1778	1781	rVB	2241311	1899093	57.01%	2.368%
97	12.774	1813	1817	1819	rBV	1684293	1715680	51.51%	2.139%
98	12.916	1837	1841	1844	rBV	3446215	3300430	99.08%	4.116%
99	13.968	2016	2020	2023	rBV2	1893628	2392990	71.84%	2.984%
100	15.427	2264	2268	2277	rVB	1334916	2241452	67.29%	2.795%

Sum of corrected areas: 80191040

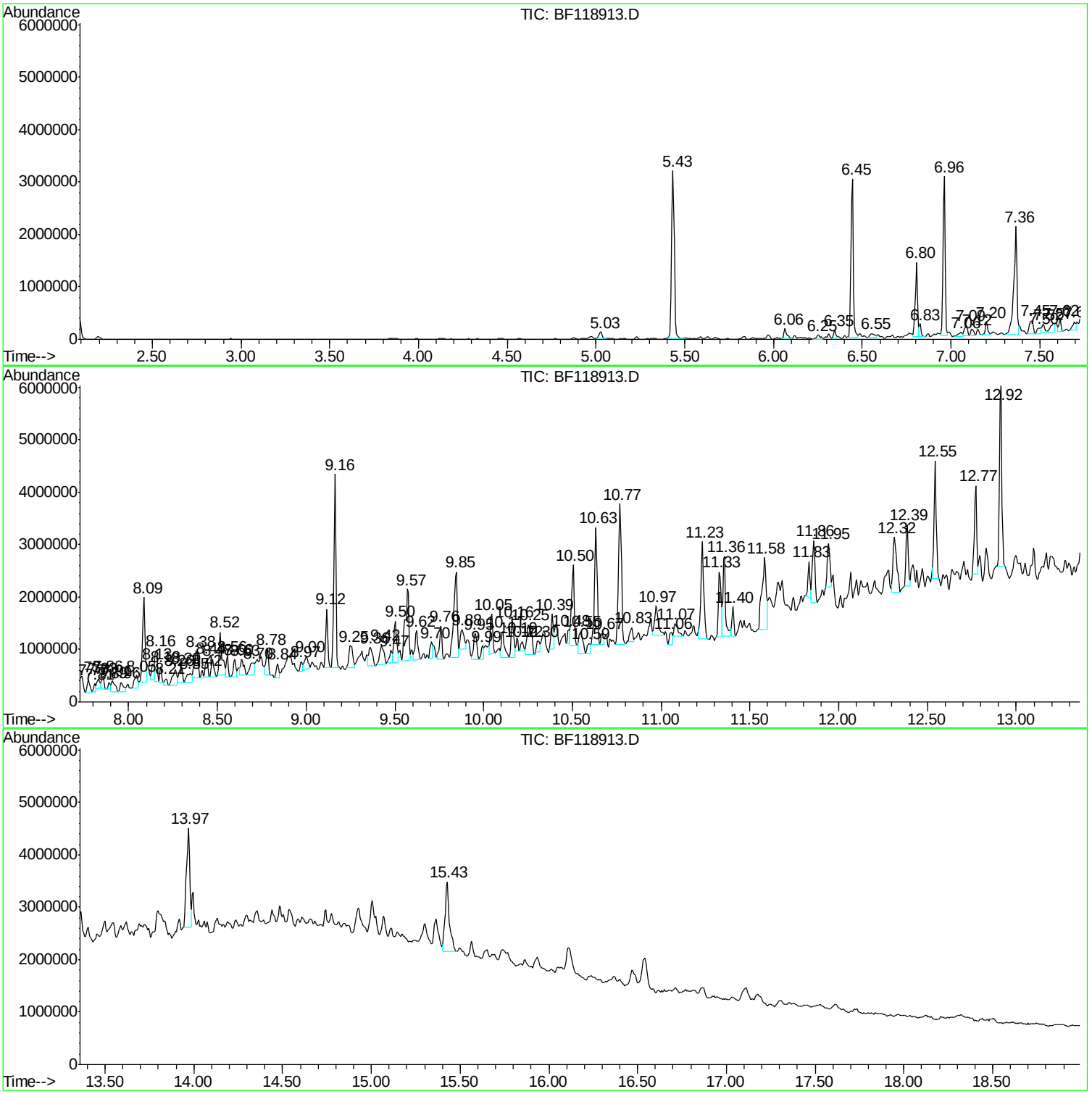
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

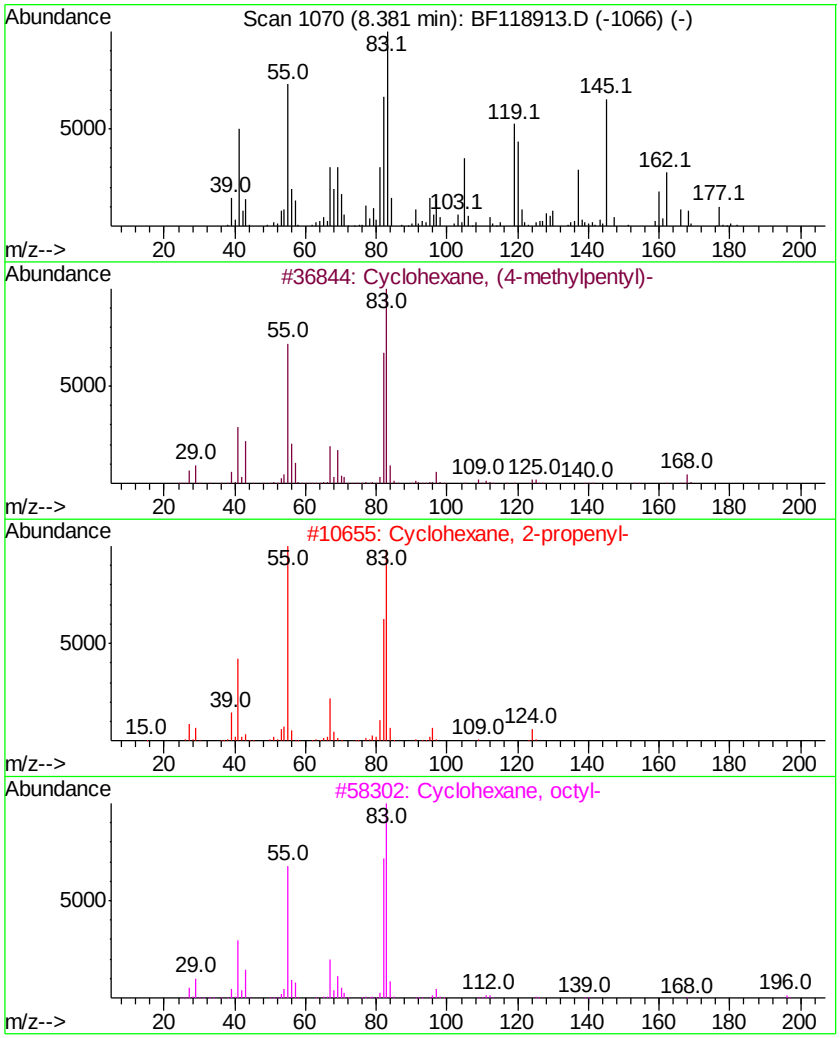
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

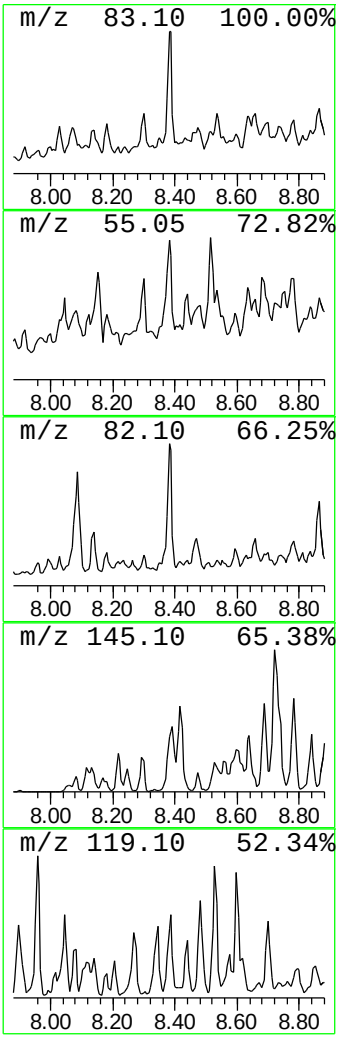
****

Peak Number 2 unknown8.38 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	6.99 ng	671403	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	25
2	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	22
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	22
4	Cyclohexane, tetradecyl-	280	C20H40	001795-18-2	22
5	Heptylcyclohexane	182	C13H26	005617-41-4	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

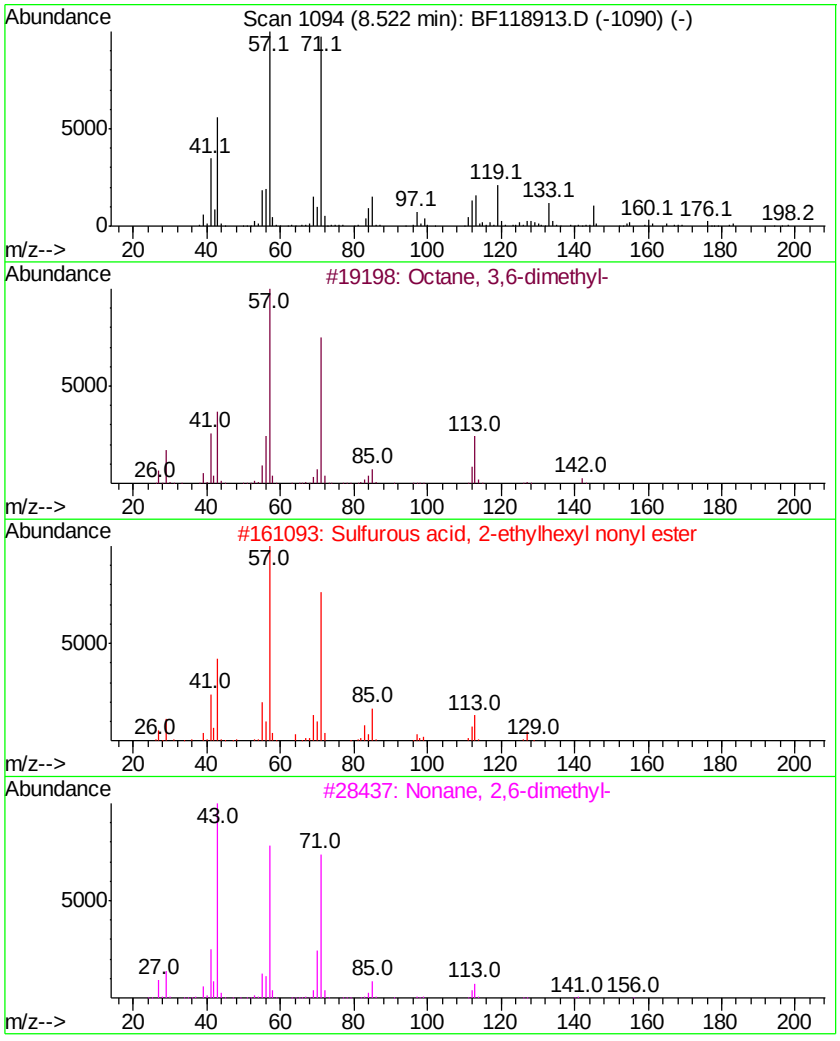
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

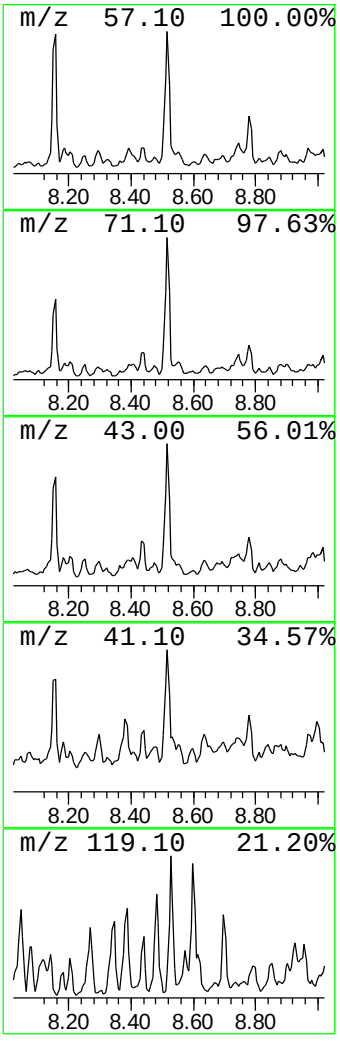
****

Peak Number 3 Octane, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	10.32 ng	990544	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
2	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	80
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
4	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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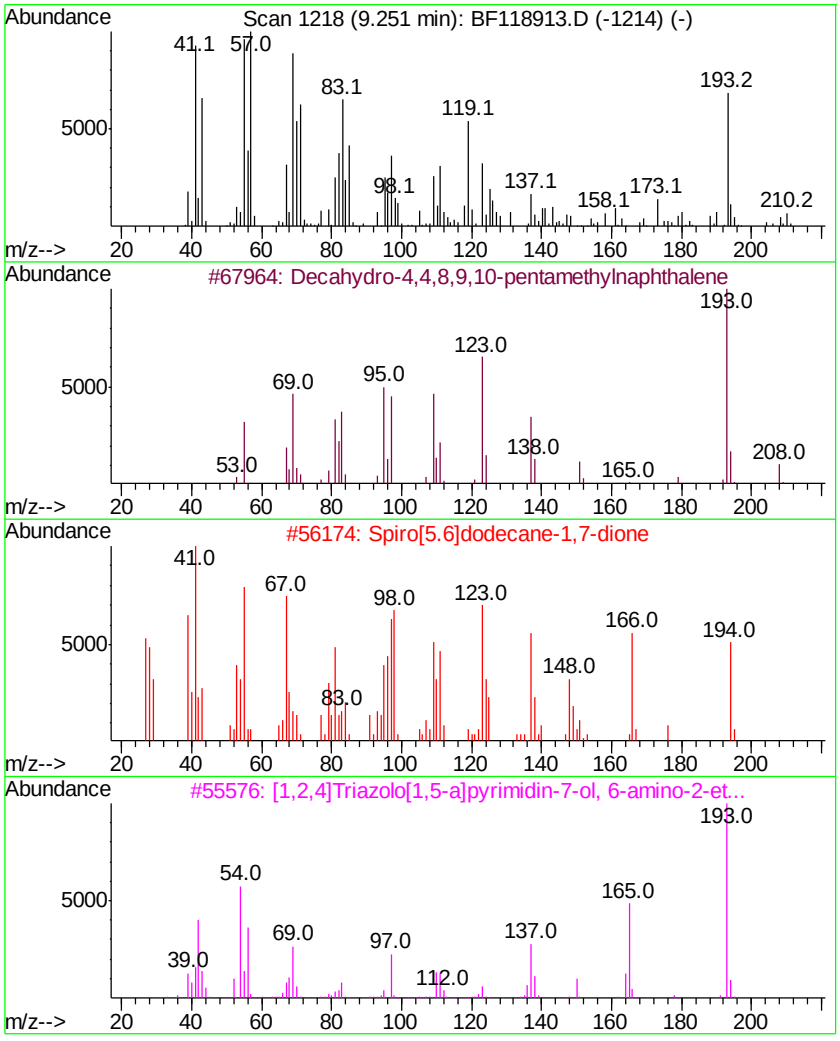
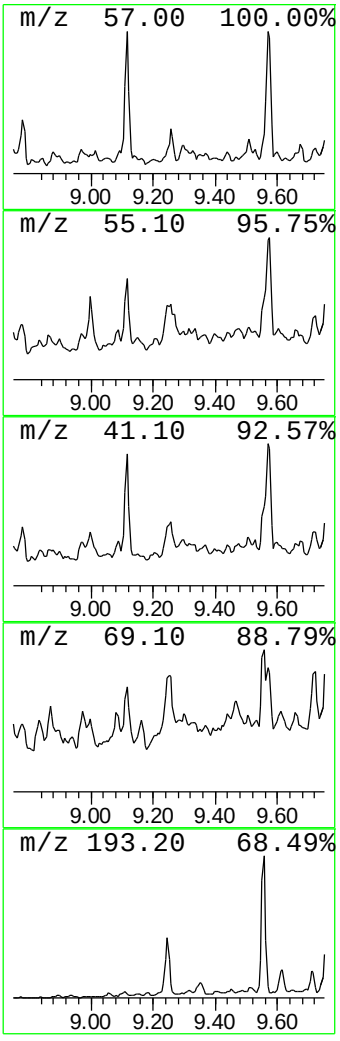
Peak Number 4 Decahydro-4,4,8,9,10-pentam... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	6.36 ng	679789	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	72
2	Spiro[5.6]dodecane-1,7-dione	194	C12H18O2	050803-80-0	43
3	[1,2,4]Triazolo[1,5-a]pyrimidin-...	193	C8H11N5O	1000351-50-1	30
4	2-Anthracenamine	193	C14H11N	000613-13-8	27
5	Pyrazole, 5-methyl-3-(5-nitro-2-...	193	C8H7N3O3	016239-90-0	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

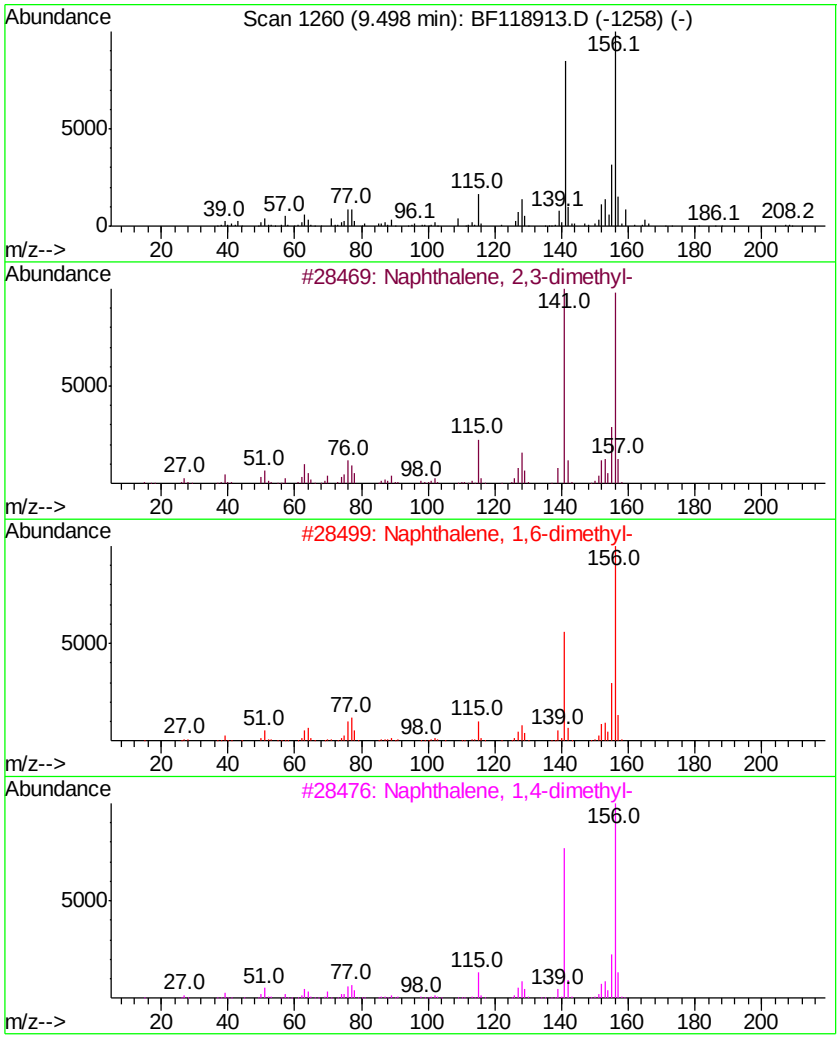
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

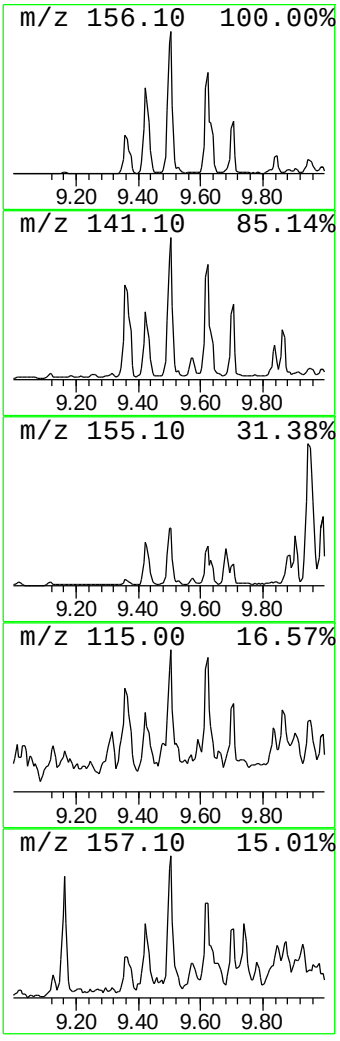
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	8.05 ng	861027	Acenaphthene-d10	9.85

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, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

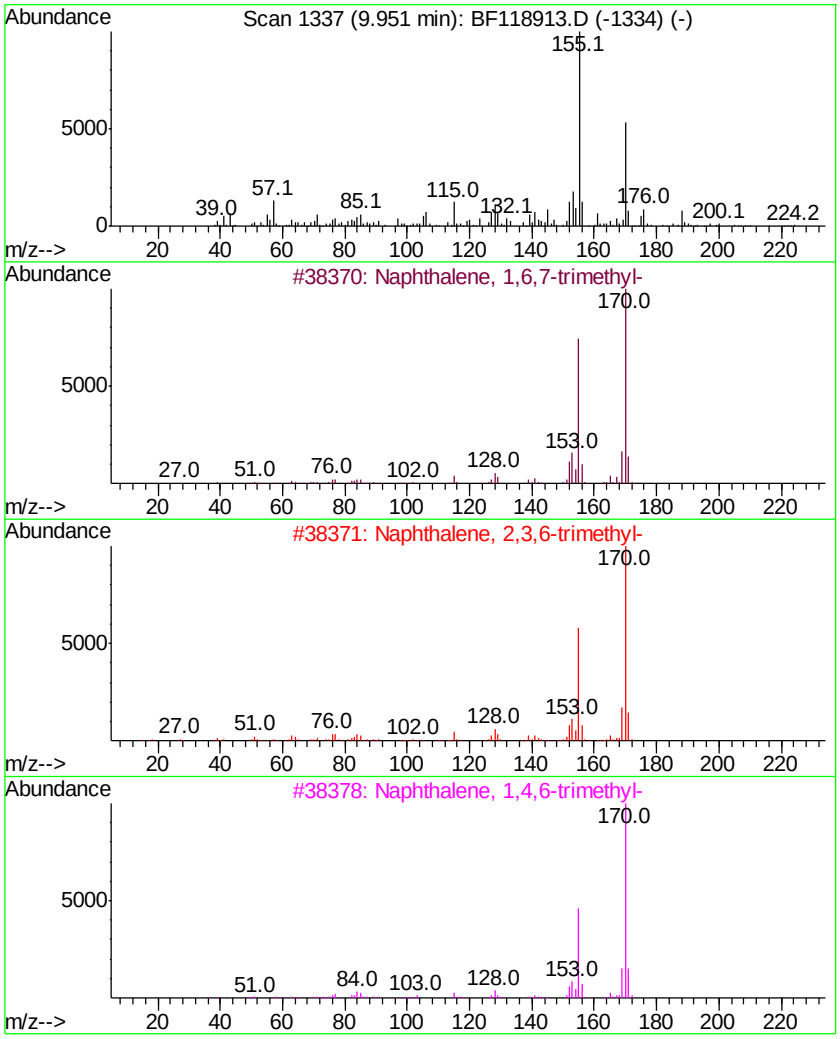
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

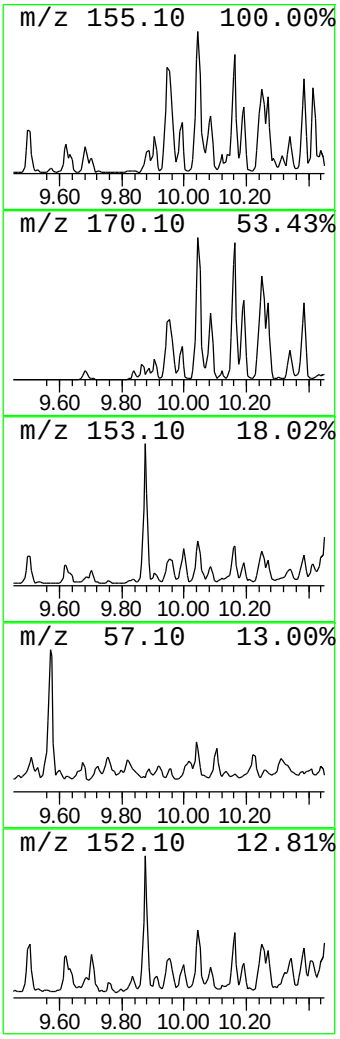
****

Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	6.13 ng	655217	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83





Library Search Compound Report

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Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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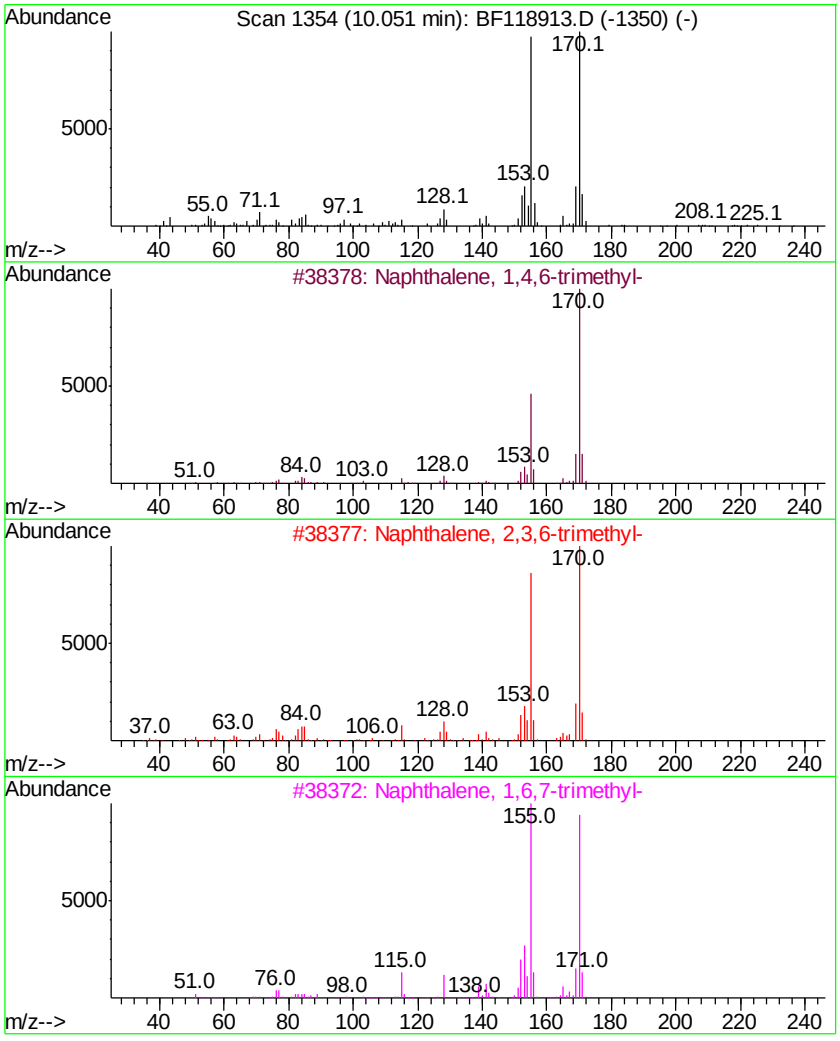
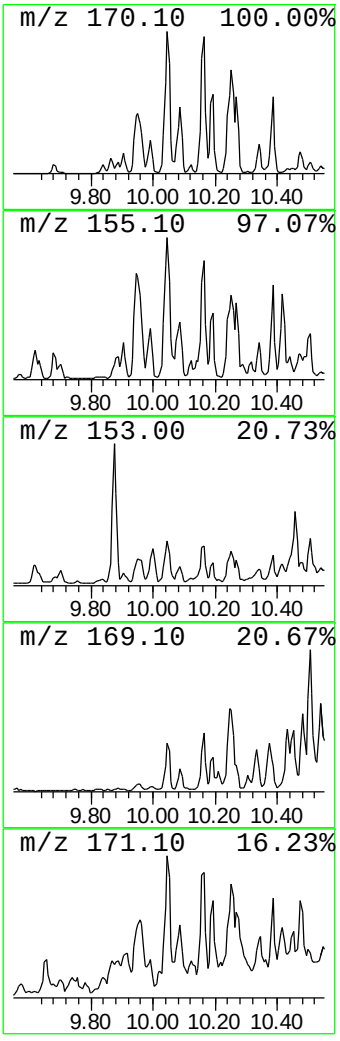
Peak Number 7 Naphthalene, 1,4,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	7.59 ng	811599	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	89
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83





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Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

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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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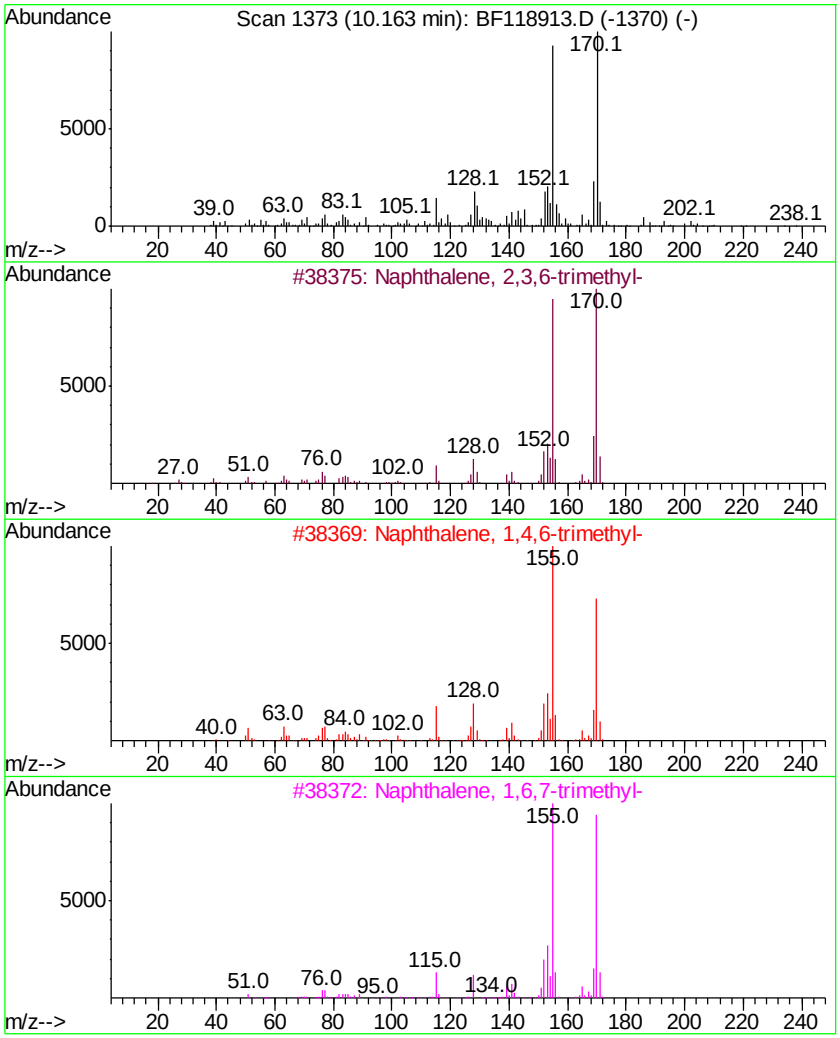
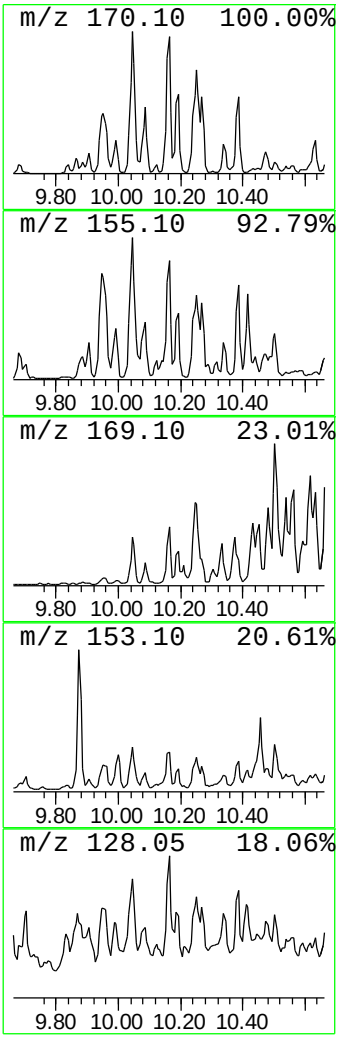
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	6.14 ng	656026	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	97
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90





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Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

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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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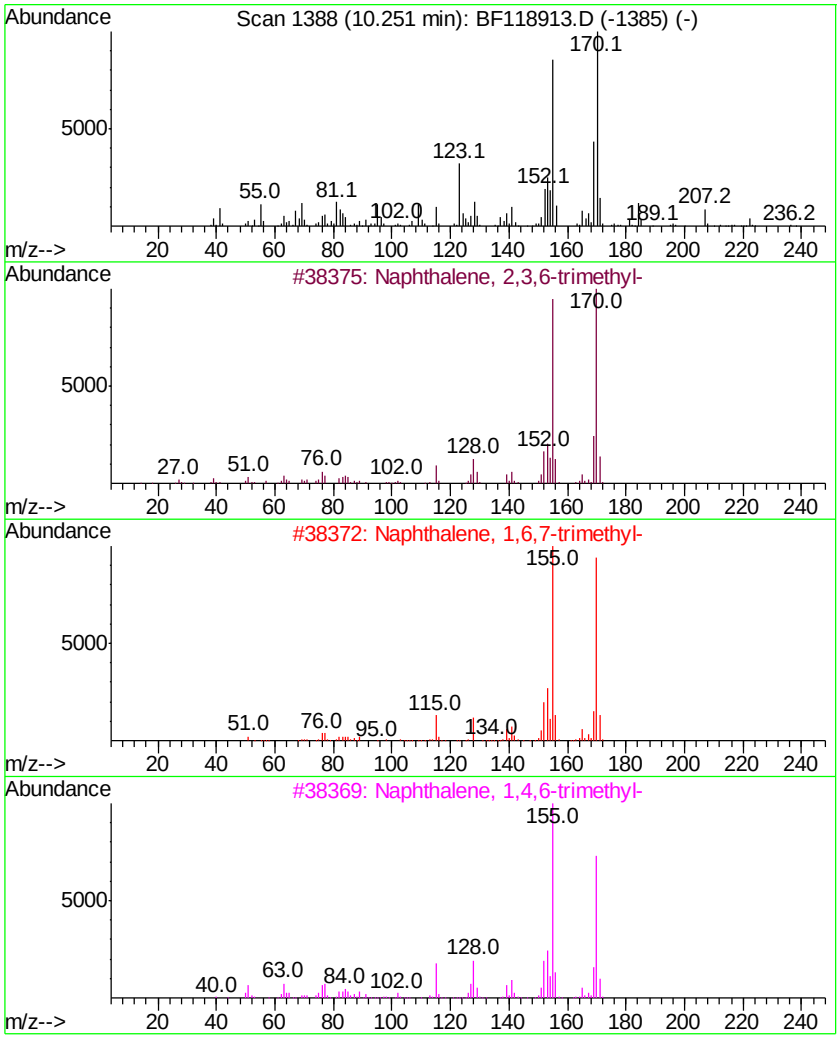
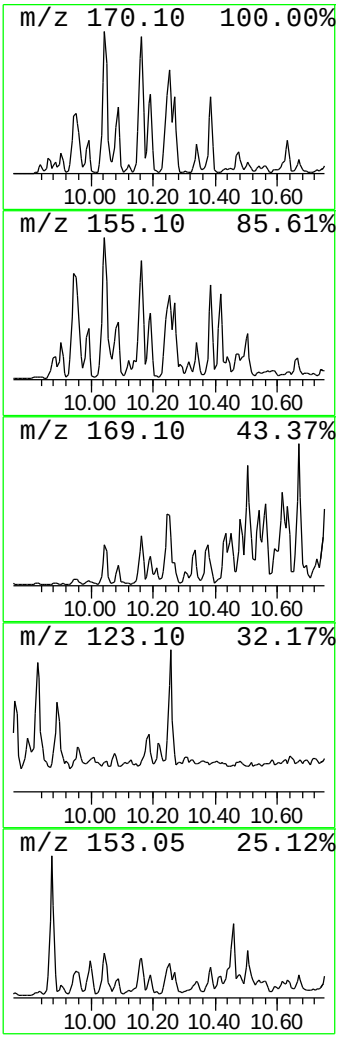
Peak Number 9 Naphthalene, 1,4,5-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	8.95 ng	957187	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	89





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Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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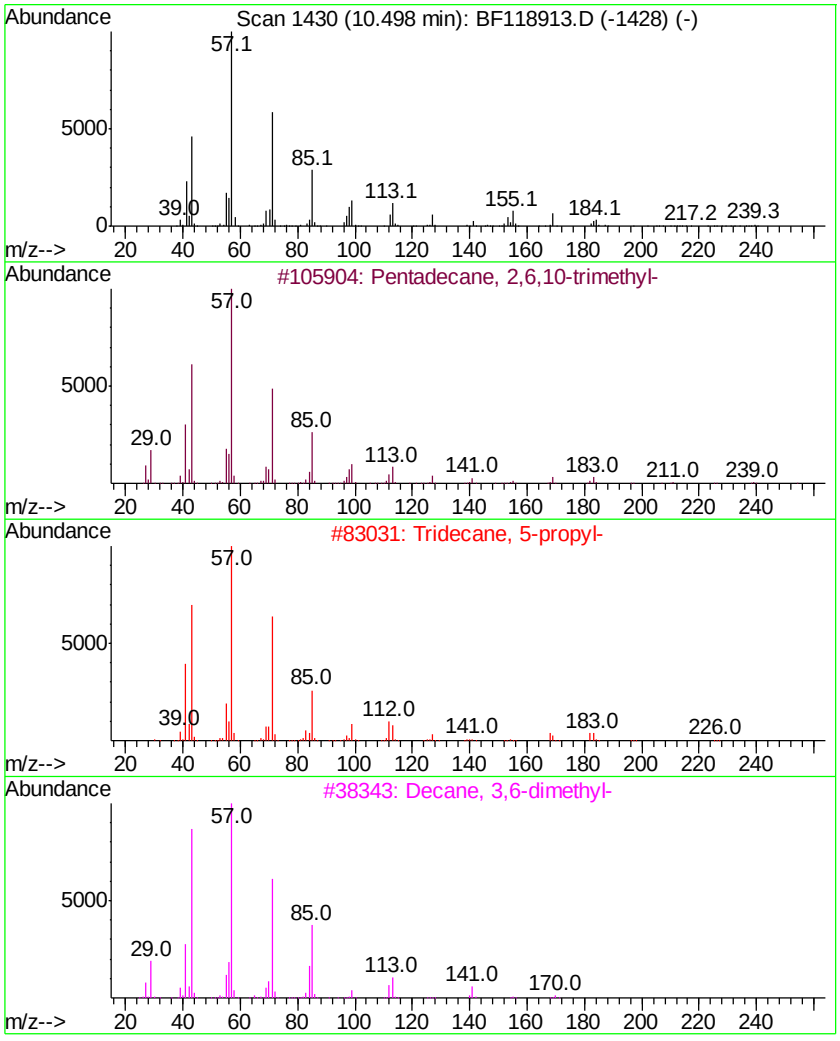
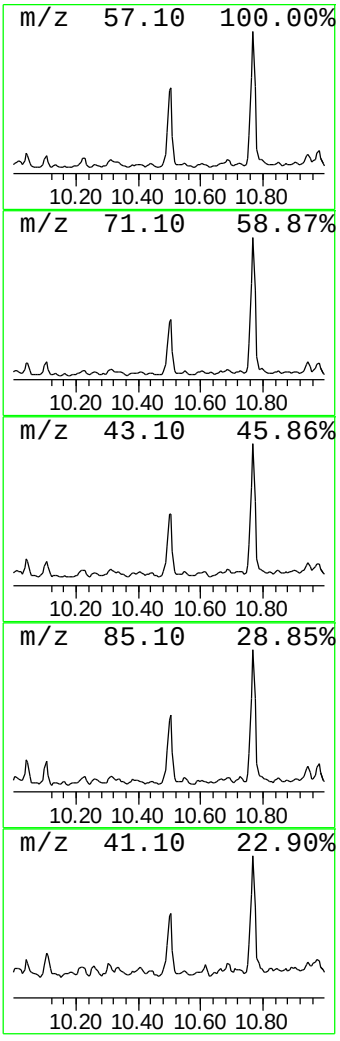
Peak Number 10 Pentadecane, 2,6,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	13.68 ng	1462800	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	89
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	70
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	60
4	Hexadecane	226	C16H34	000544-76-3	60
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	53





Library Search Compound Report

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Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

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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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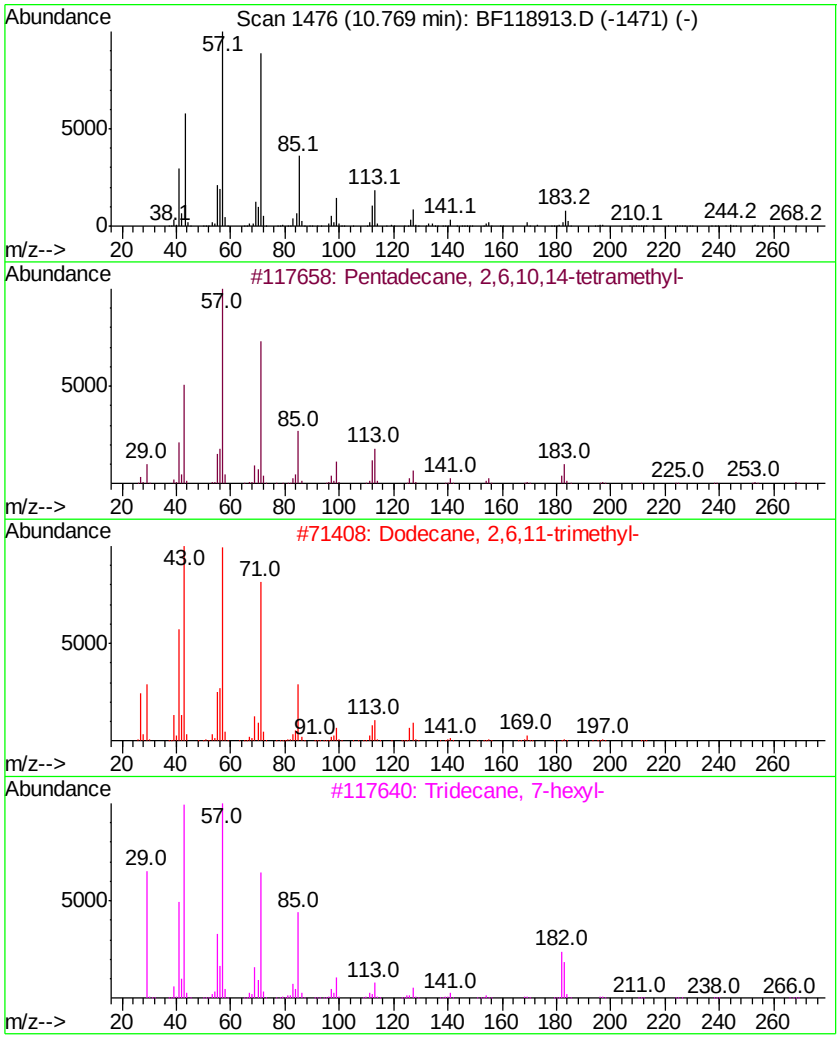
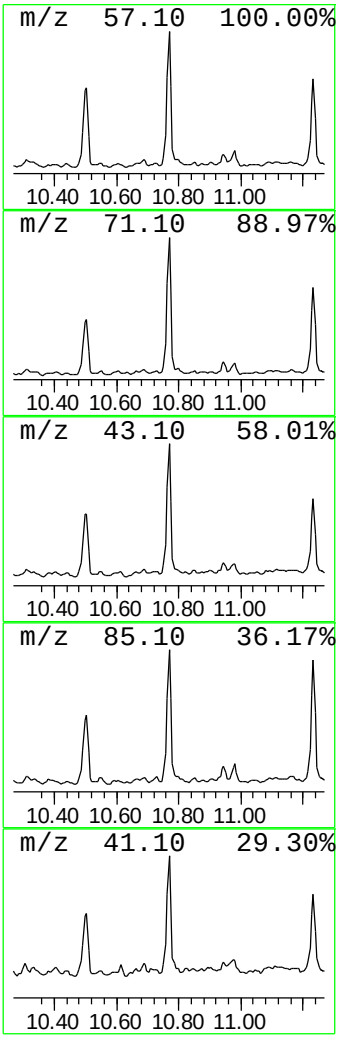
Peak Number 11 Pentadecane, 2,6,10,14-tetr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	45.84 ng	2818810	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
3	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	76
4	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72
5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	72





Library Search Compound Report

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Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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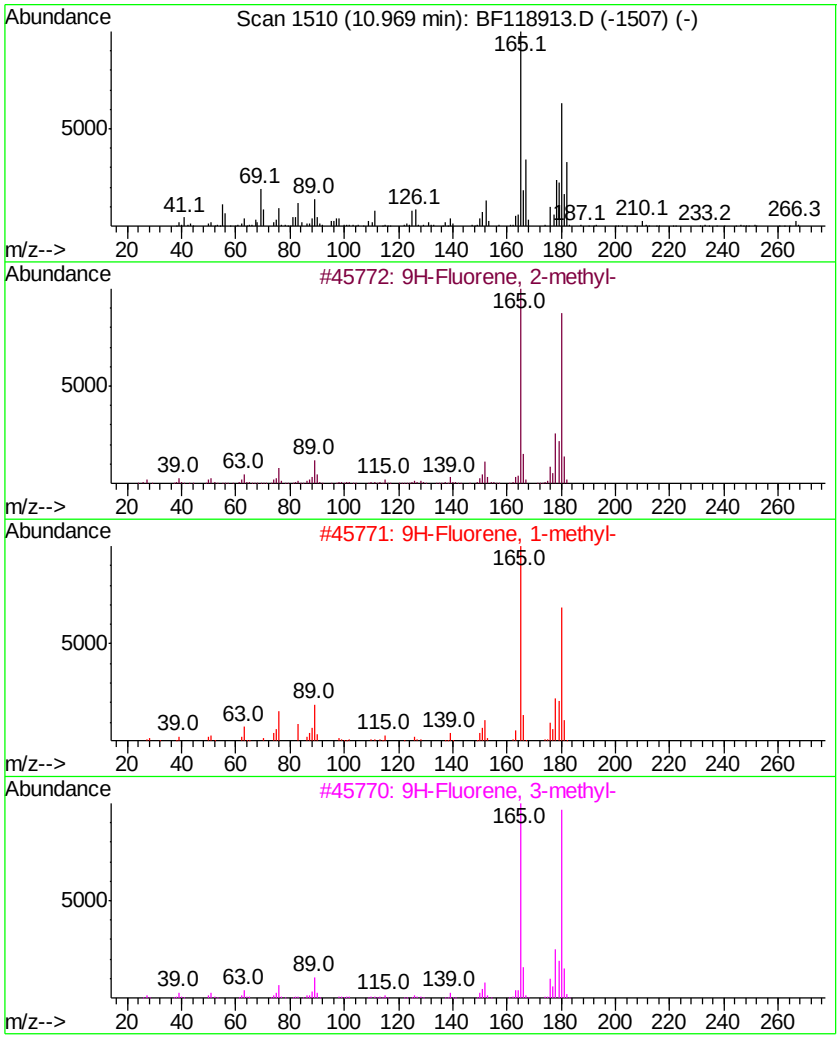
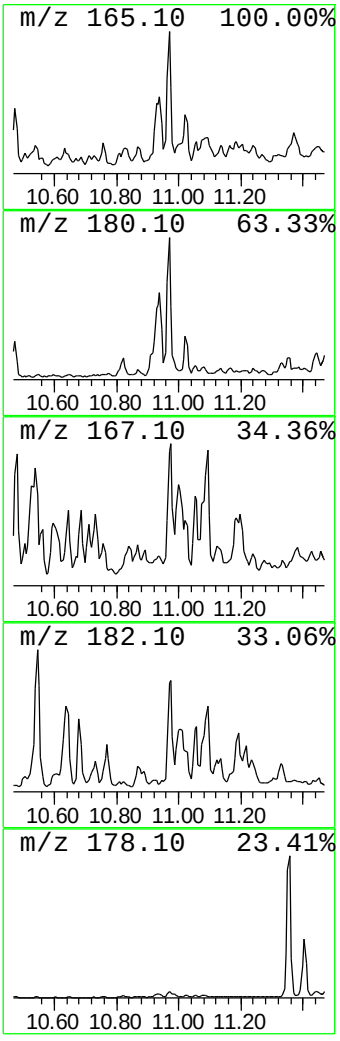
Peak Number 12 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	12.92 ng	794486	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64
4	Benzenethiol, 4-(1,1-dimethyleth...	180	C11H16S	015570-10-2	64
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	52





Library Search Compound Report

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Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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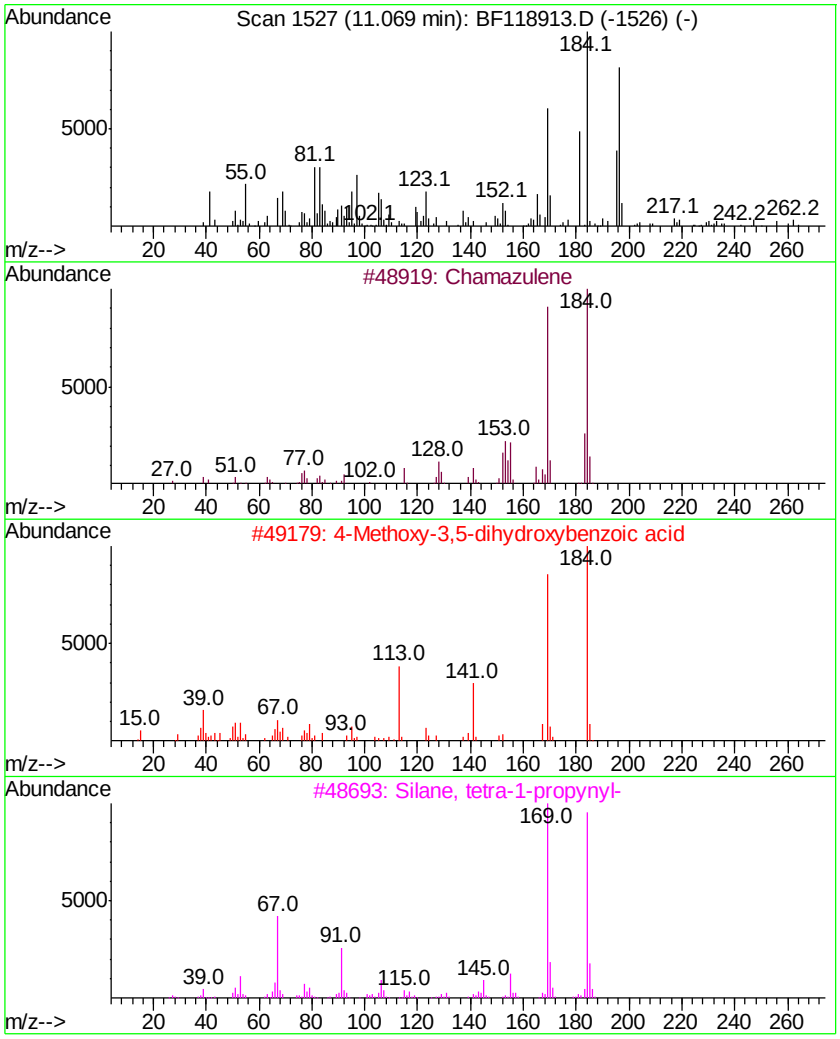
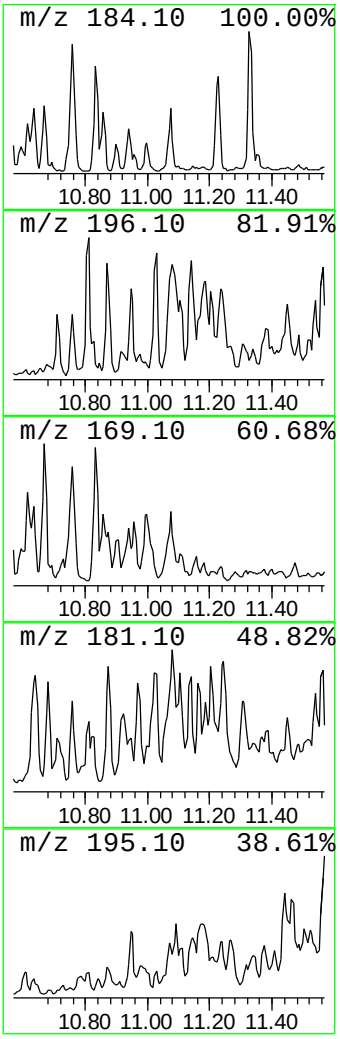
Peak Number 13 unknown11.07 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	6.96 ng	428202	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	38
2	4-Methoxy-3,5-dihydroxybenzoic acid	184	C8H8O5	004319-02-2	35
3	Silane, tetra-1-propynyl-	184	C12H12Si	020143-21-9	35
4	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	35
5	2,3,4-Trimethoxyphenol	184	C9H12O4	019676-64-3	27





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Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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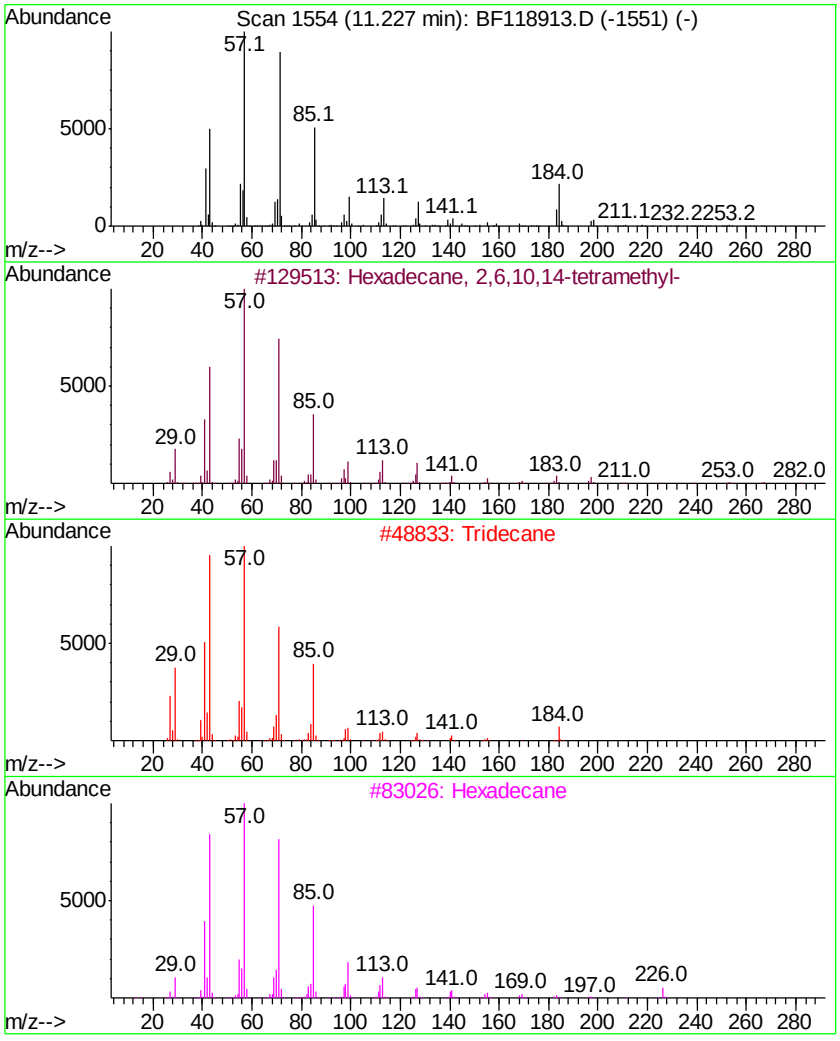
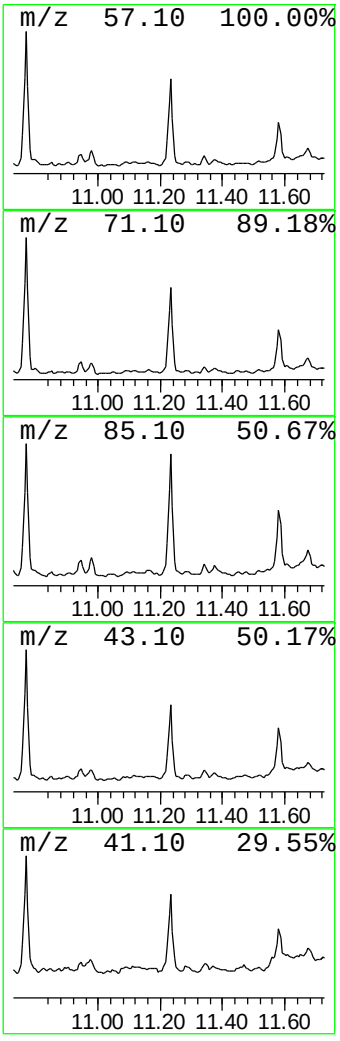
Peak Number 14 Hexadecane, 2,6,10,14-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	33.65 ng	2069460	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
2	Tridecane	184	C13H28	000629-50-5	87
3	Hexadecane	226	C16H34	000544-76-3	87
4	Tetracosane	338	C24H50	000646-31-1	86
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	86





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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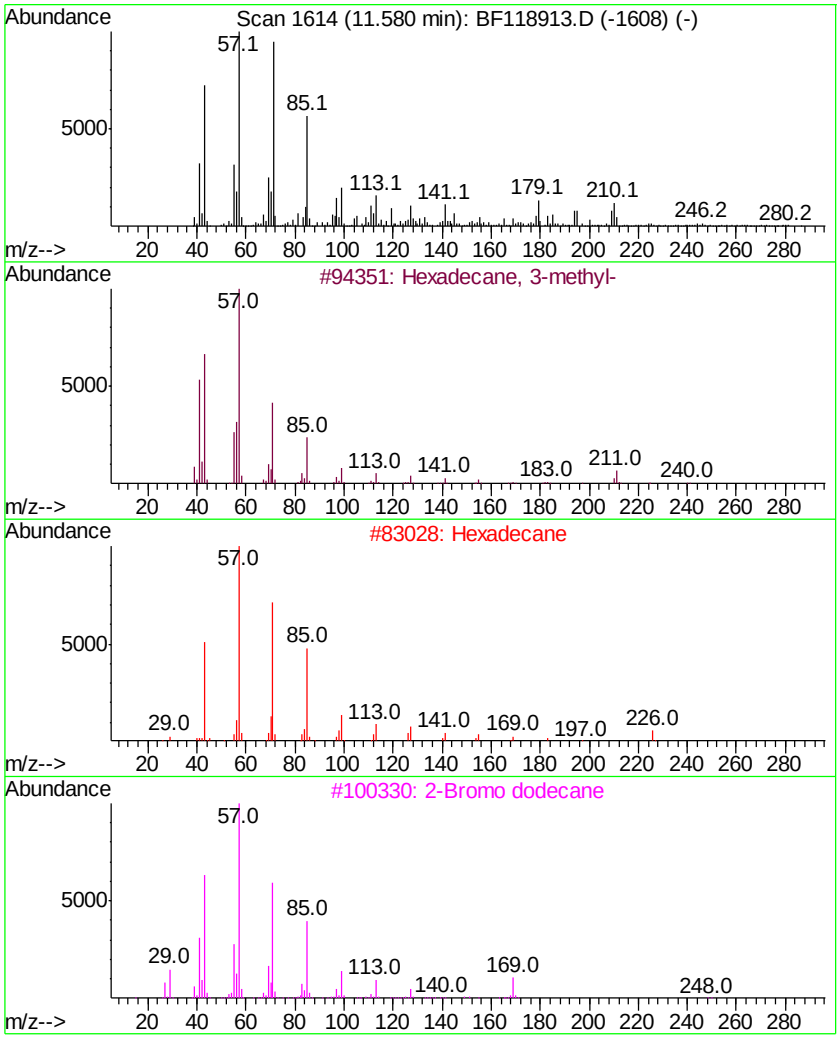
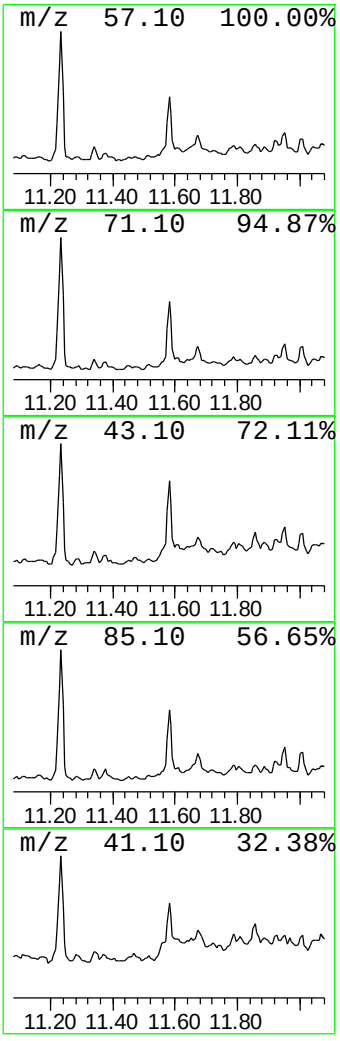
Peak Number 15 Hexadecane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	37.93 ng	2332620	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	76
4	Heptadecane, 3-methyl-	254	C18H38	006418-44-6	74
5	Tetratetracontane	619	C44H90	007098-22-8	74





Library Search Compound Report

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Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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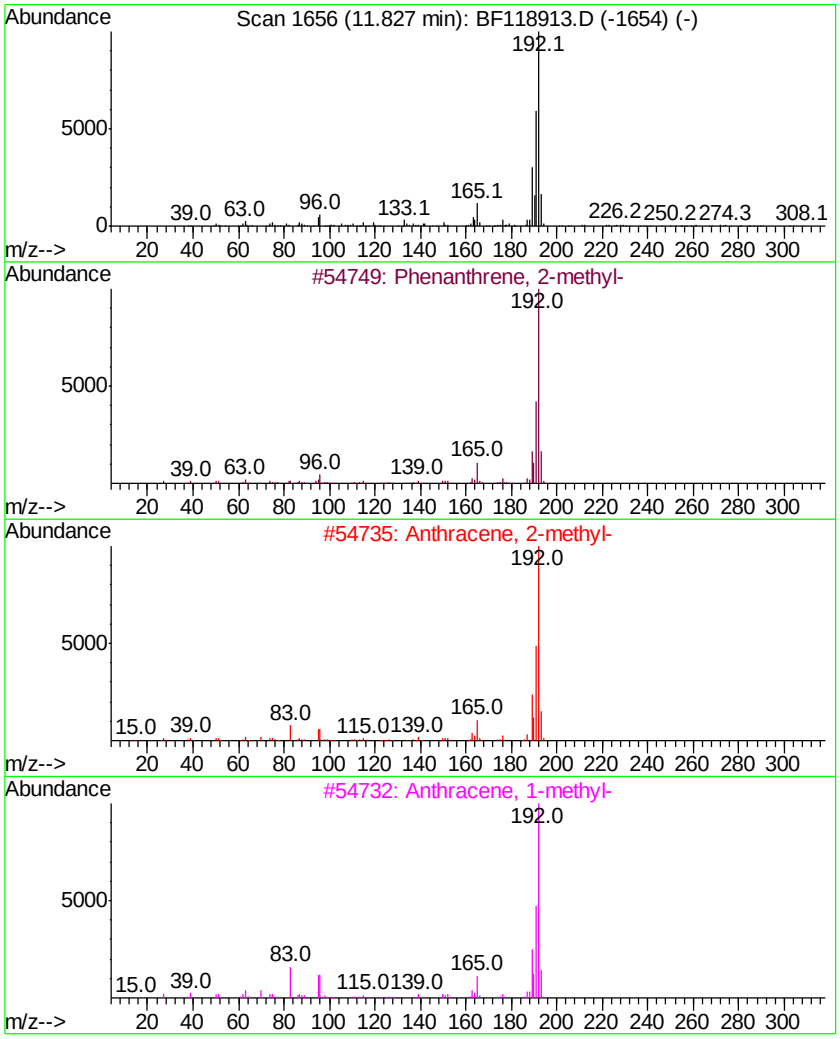
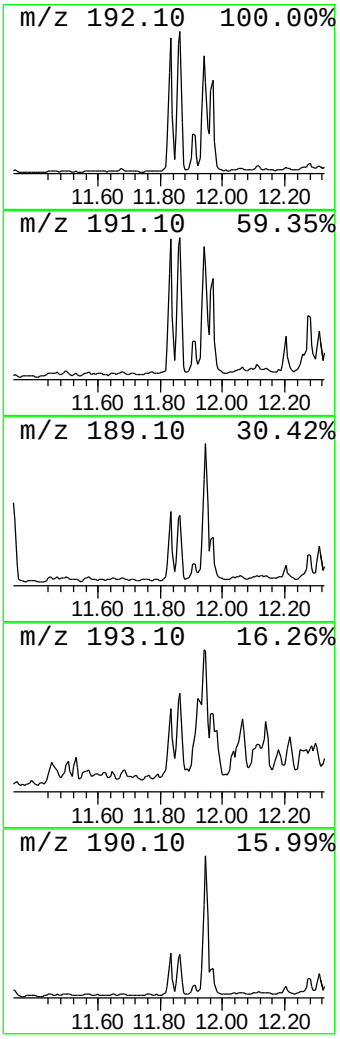
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	9.89 ng	608020	Phenanthrene-d10	11.33

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	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Library Search Compound Report

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Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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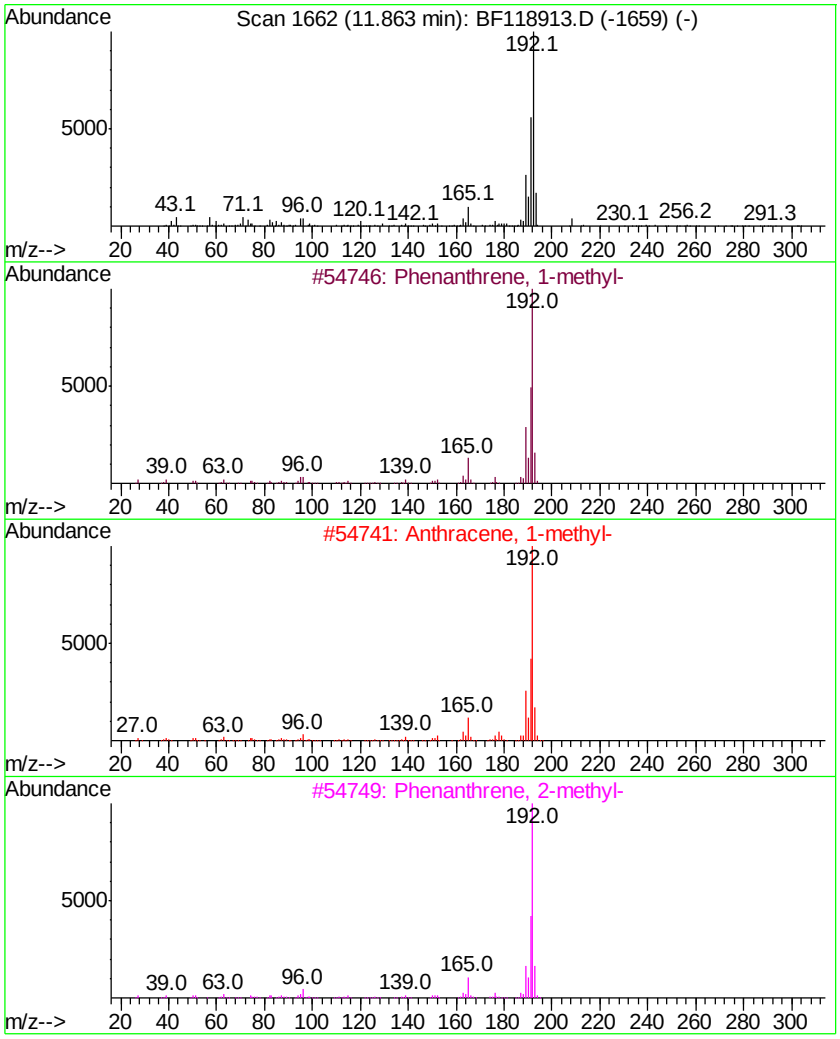
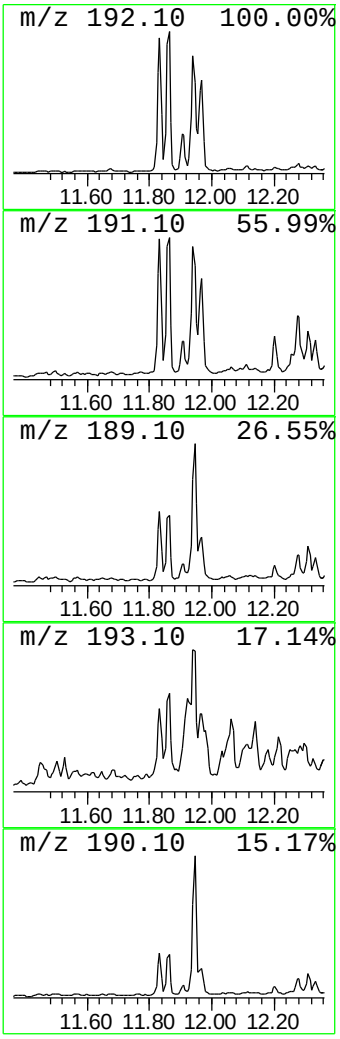
Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	17.83 ng	1096540	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

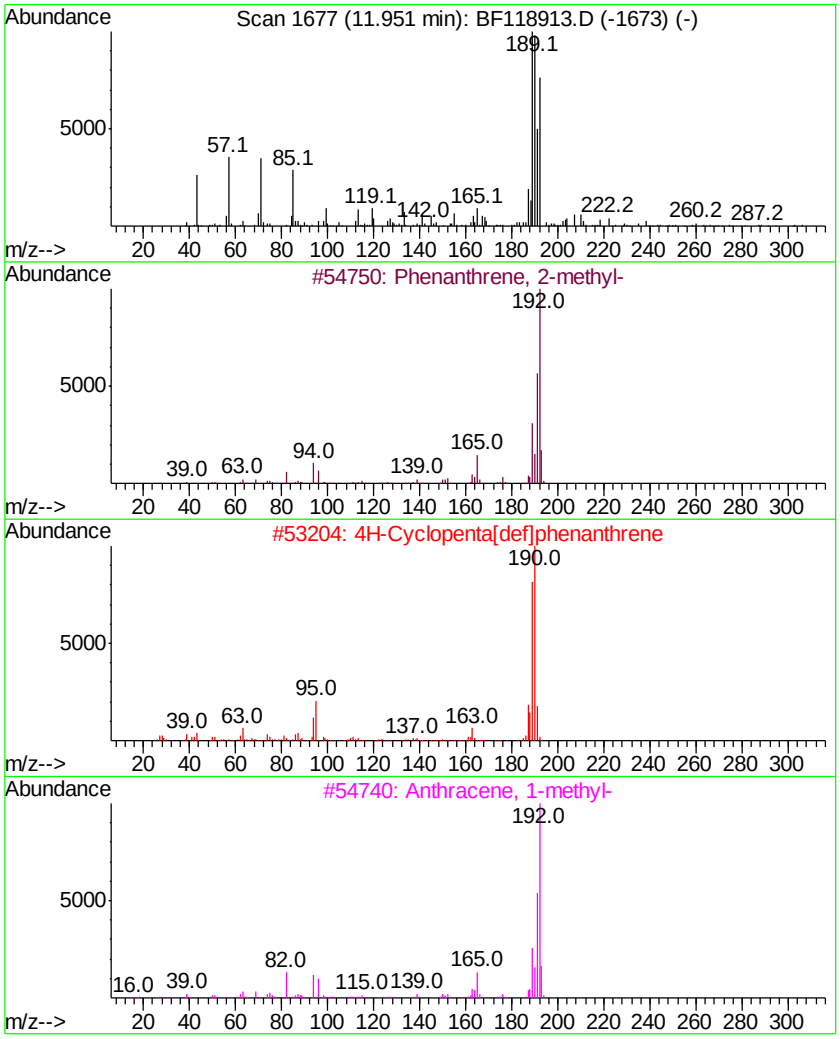
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

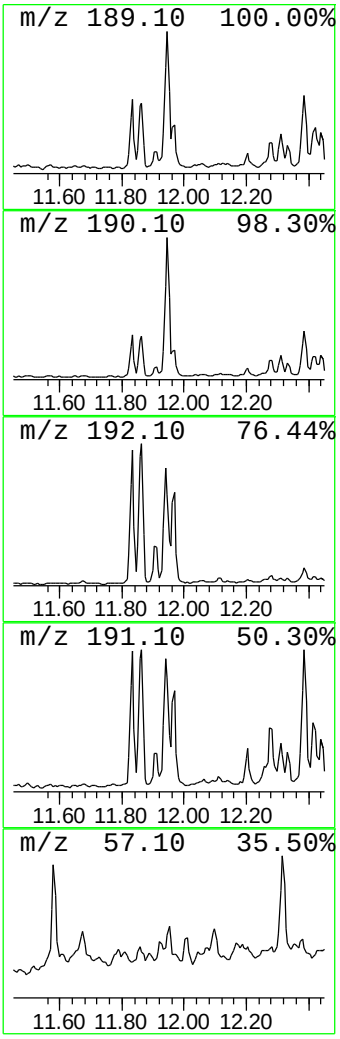
****

Peak Number 18 unknown11.95 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	13.02 ng	800610	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	41
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	41
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	41





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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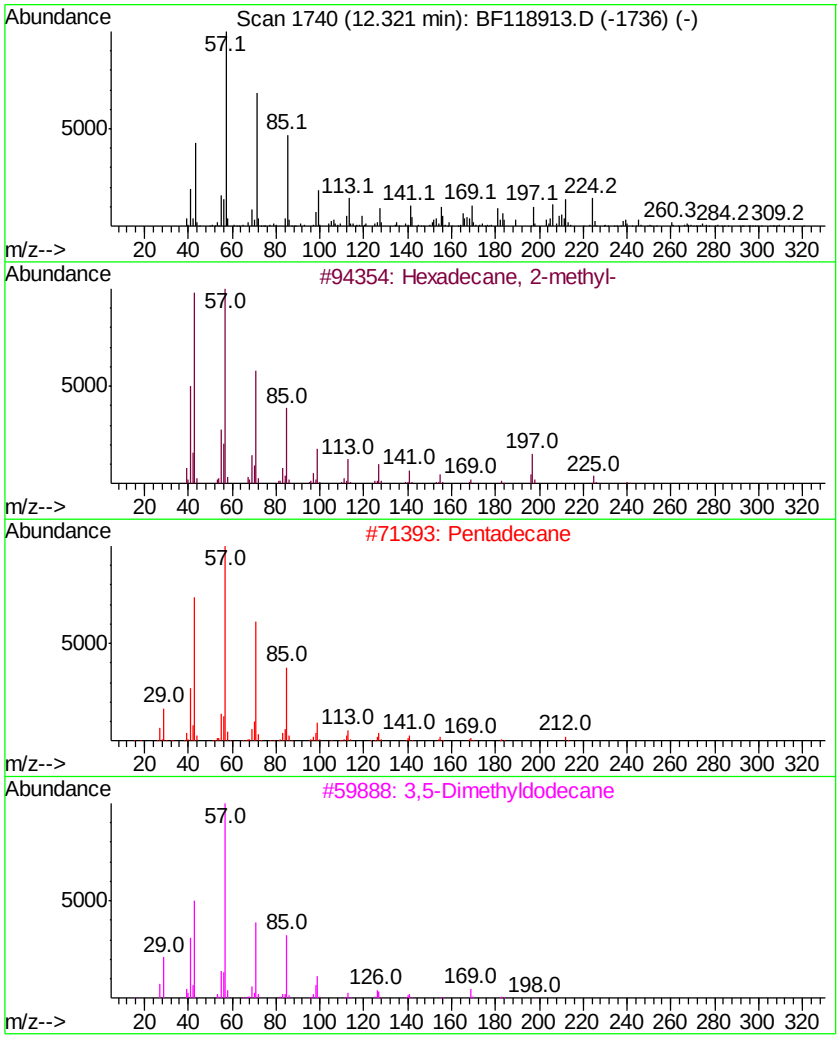
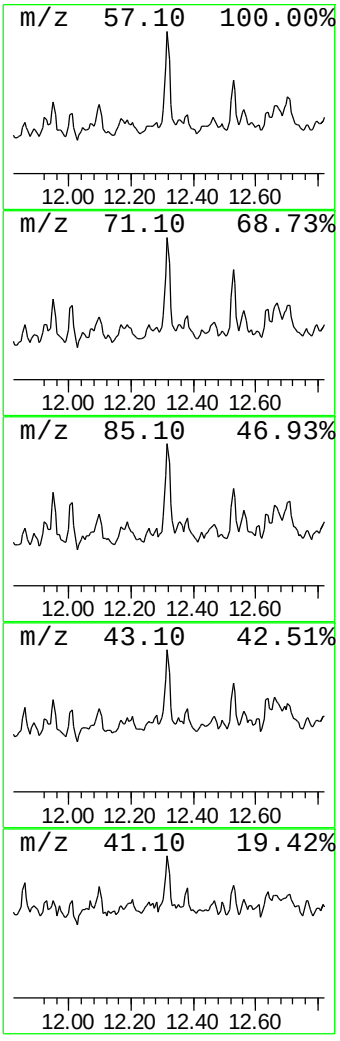
Peak Number 19 Hexadecane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	23.30 ng	1432730	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	50
2	Pentadecane	212	C15H32	000629-62-9	49
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	46
4	Hentriacontane	437	C31H64	000630-04-6	45
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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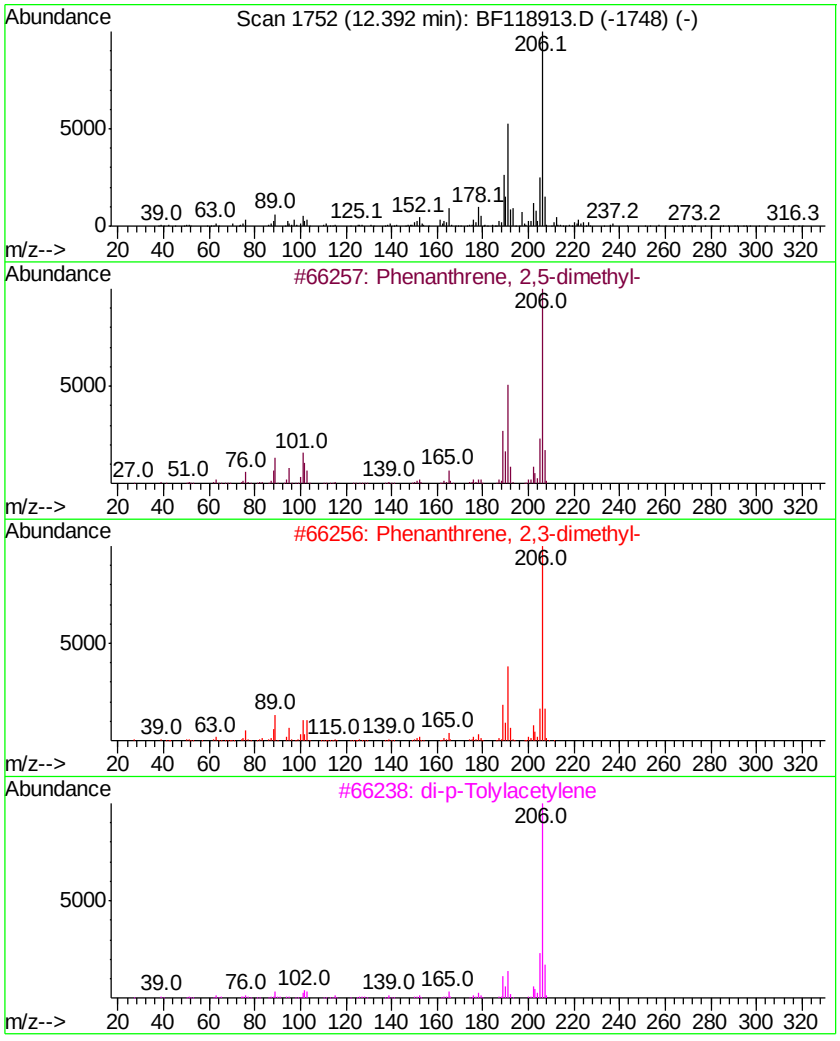
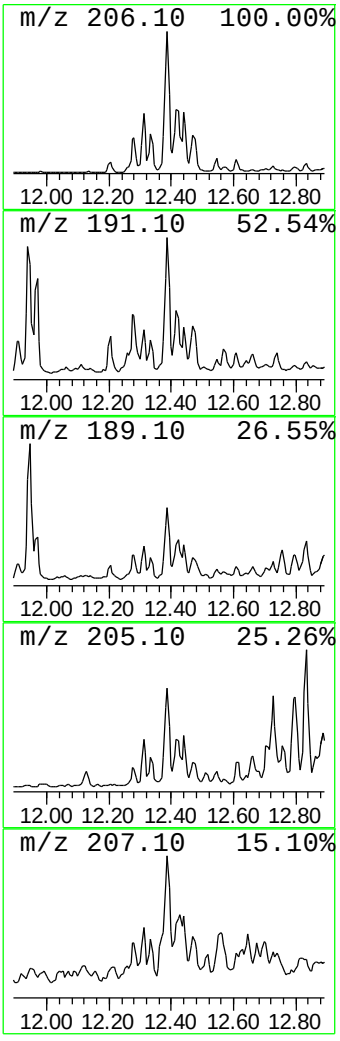
Peak Number 20 Phenanthrene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	19.90 ng	1223970	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	80
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	76
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021220\
Data File : BF118913.D
Acq On : 12 Feb 2020 13:42
Operator : CG/JU
Sample : L1491-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2A-(13.5-15.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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
unknown8.38	8.38	7.0	ng	671403	2	8.09	1919930	20.0
Octane, 3,6-dimet...	8.52	10.3	ng	990544	2	8.09	1919930	20.0
Decahydro-4,4,8,9...	9.25	6.4	ng	679789	3	9.85	2138310	20.0
Naphthalene, 2,3-...	9.50	8.1	ng	861027	3	9.85	2138310	20.0
Naphthalene, 1,6,...	9.95	6.1	ng	655217	3	9.85	2138310	20.0
Naphthalene, 1,4,...	10.05	7.6	ng	811599	3	9.85	2138310	20.0
Naphthalene, 2,3,...	10.16	6.1	ng	656026	3	9.85	2138310	20.0
Naphthalene, 1,4,...	10.25	8.9	ng	957187	3	9.85	2138310	20.0
Pentadecane, 2,6,...	10.50	13.7	ng	1462800	3	9.85	2138310	20.0
Pentadecane, 2,6,...	10.77	45.8	ng	2818810	4	11.33	1229970	20.0
9H-Fluorene, 2-me...	10.97	12.9	ng	794486	4	11.33	1229970	20.0
unknown11.07	11.07	7.0	ng	428202	4	11.33	1229970	20.0
Hexadecane, 2,6,1...	11.23	33.6	ng	2069460	4	11.33	1229970	20.0
Hexadecane, 3-met...	11.58	37.9	ng	2332620	4	11.33	1229970	20.0
Phenanthrene, 2-m...	11.83	9.9	ng	608020	4	11.33	1229970	20.0
Phenanthrene, 1-m...	11.86	17.8	ng	1096540	4	11.33	1229970	20.0
unknown11.95	11.95	13.0	ng	800610	4	11.33	1229970	20.0
Hexadecane, 2-met...	12.32	23.3	ng	1432730	4	11.33	1229970	20.0
Phenanthrene, 2,3...	12.39	19.9	ng	1223970	4	11.33	1229970	20.0