LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
Data File : BF115777.D
Acq On : 26 Jul 2019 00:00
Operator : HP/JU
Sample : K3961-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10-A

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	2.151	5	11	28	rVB	565072	752425	12.52%	0.400%
2	5.492	575	579	590	rVB	2602921	2789325	46.40%	1.482%
3	6.128	684	687	694	rVB2	793357	1034743	17.21%	0.550%
4	6.322	714	720	721	rBV	429580	530042	8.82%	0.282%
5	6.416	732	736	738	rBV3	454739	584757	9.73%	0.311%
6	6.504	744	751	754	rBV	2947452	3148145	52.37%	1.673%
7	6.645	766	775	783	rVB2	3360164	4568949	76.00%	2.428%
8	6.833	800	807	811	rBV3	568497	1031401	17.16%	0.548%
9	6.875	811	814	821	rVB2	1127058	1312953	21.84%	0.698%
10	7.028	837	840	843	rBV2	3318590	3502546	58.26%	1.861%
11	7.057	843	845	848	rVB2	571285	519347	8.64%	0.276%
12	7.122	851	856	858	rBV4	764426	1151000	19.15%	0.612%
13	7.151	858	861	865	rVB3	751198	895559	14.90%	0.476%
14	7.192	865	868	870	rBV	744966	707429	11.77%	0.376%
15	7.275	876	882	884	rBV4	900587	976121	16.24%	0.519%
16	7.304	884	887	892	rVB6	411034	597064	9.93%	0.317%
17	7.410	901	905	907	rBV2	2450591	3134418	52.14%	1.665%
18	7.433	907	909	916	rVB3	2055097	3054855	50.82%	1.623%
19	7.516	920	923	927	rVB4	1538620	2257342	37.55%	1.199%
20	7.569	927	932	938	rBV7	630641	1593609	26.51%	0.847%
21	7.645	939	945	949	rBV3	1034919	1351862	22.49%	0.718%
22	7.686	949	952	955	rVB3	1208859	1121654	18.66%	0.596%
23	7.763	961	965	967	rBV2	1316435	1570894	26.13%	0.835%
24	7.804	970	972	975	rBV3	1342379	1275758	21.22%	0.678%
25	7.833	975	977	981	rVB2	1269702	1607531	26.74%	0.854%
26	7.898	984	988	990	rBV2	2578361	2331407	38.78%	1.239%
27	7.928	990	993	998	rVB4	928140	1308782	21.77%	0.695%
28	7.980	998	1002	1007	rBV4	1274928	1827448	30.40%	0.971%
29	8.027	1007	1010	1014	rBV2	1393738	1673748	27.84%	0.889%
30	8.063	1014	1016	1019	rVB	623797	476175	7.92%	0.253%
31	8.098	1020	1022	1024	rBV2	666713	695329	11.57%	0.369%
32	8.122	1024	1026	1027	rBV2	710610	582317	9.69%	0.309%
33	8.151	1027	1031	1034	rBV2	2154487	2466495	41.03%	1.310%
34	8.175	1034	1035	1038	rVV2	693278	587841	9.78%	0.312%

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Misc :
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Instrument : BNA_F
ClientSampleId : TP-10-A

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

35	8.210	1038	1041	1045	rVB2	2137846	2691453	44.77%	1.430%
36	8.251	1045	1048	1052	rVB3	1373724	1207098	20.08%	0.641%
37	8.316	1056	1059	1061	rBV3	986825	1011146	16.82%	0.537%
38	8.357	1061	1066	1070	rBV3	2078099	3122552	51.94%	1.659%
39	8.404	1071	1074	1077	rBV4	954965	1059203	17.62%	0.563%
40	8.457	1077	1083	1086	rVB4	2206426	4022063	66.91%	2.137%
41	8.486	1086	1088	1090	rBV2	937499	761486	12.67%	0.405%
42	8.516	1090	1093	1095	rBV2	665434	678554	11.29%	0.361%
43	8.545	1095	1098	1101	rVB	2141114	2176751	36.21%	1.157%
44	8.592	1101	1106	1110	rBV	3493703	4713315	78.41%	2.504%
45	8.627	1110	1112	1115	rVB3	1800310	1682486	27.99%	0.894%
46	8.669	1115	1119	1122	rBV2	3606715	3907923	65.01%	2.076%
47	8.710	1124	1126	1128	rBV2	644011	474131	7.89%	0.252%
48	8.757	1131	1134	1138	rBV4	1126825	1943295	32.33%	1.032%
49	8.798	1139	1141	1143	rVV2	862536	838415	13.95%	0.445%
50	8.827	1143	1146	1148	rVB2	1549062	1339540	22.28%	0.712%
51	8.916	1158	1161	1163	rBV3	1128995	995571	16.56%	0.529%
52	8.957	1163	1168	1170	rBV4	1242994	2404149	39.99%	1.277%
53	8.992	1171	1174	1176	rVV2	2253034	2051184	34.12%	1.090%
54	9.051	1181	1184	1186	rVV4	963482	1176144	19.57%	0.625%
55	9.074	1186	1188	1191	rVV4	1779775	1691837	28.14%	0.899%
56	9.104	1191	1193	1196	rVV2	1179721	1318738	21.94%	0.701%
57	9.133	1196	1198	1201	rVV3	1101151	1006585	16.74%	0.535%
58	9.198	1204	1209	1212	rVV3	3364601	4794403	79.75%	2.547%
59	9.239	1213	1216	1218	rVV2	2248407	2294194	38.16%	1.219%
60	9.280	1221	1223	1225	rVB2	706007	544537	9.06%	0.289%
61	9.322	1227	1230	1235	rBV7	1467662	2085193	34.69%	1.108%
62	9.398	1240	1243	1245	rVV	1846109	2176178	36.20%	1.156%
63	9.439	1248	1250	1254	rVB	1995244	2396530	39.87%	1.273%
64	9.516	1258	1263	1266	rVB2	3188428	5361198	89.18%	2.848%
65	9.592	1269	1276	1278	rVV	2986688	6011429	100.00%	3.194%
66	9.651	1282	1286	1288	rVV2	3078002	3841429	63.90%	2.041%
67	9.674	1288	1290	1292	rVV2	1001884	738780	12.29%	0.393%
68	9.704	1292	1295	1300	rBV5	2344296	3010702	50.08%	1.600%
69	9.786	1306	1309	1313	rVV4	1476900	1991927	33.14%	1.058%
70	9.839	1316	1318	1320	rVB2	1400222	1088387	18.11%	0.578%
71	9.916	1326	1331	1334	rBV5	1584516	2696137	44.85%	1.432%

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Misc :
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Instrument : BNA_F
ClientSampleId : TP-10-A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	9.963	1334	1339	1341	rVV3	1208730	1799244	29.93%	0.956%
73	10.033	1347	1351	1355	rVB	2390131	3466714	57.67%	1.842%
74	10.069	1355	1357	1362	rBV5	1029767	1656260	27.55%	0.880%
75	10.127	1363	1367	1371	rVV2	2386013	3499118	58.21%	1.859%
76	10.174	1371	1375	1383	rVB5	2760765	5255657	87.43%	2.792%
77	10.245	1383	1387	1389	rBV2	2465826	2996611	49.85%	1.592%
78	10.274	1389	1392	1394	rVB	1534426	1232194	20.50%	0.655%
79	10.469	1422	1425	1426	rBV	1286237	1236749	20.57%	0.657%
80	10.580	1442	1444	1447	rVB2	2711542	2659724	44.24%	1.413%
81	10.716	1465	1467	1470	rBV3	893662	810755	13.49%	0.431%
82	10.851	1485	1490	1495	rVB2	3233627	5160199	85.84%	2.742%
83	11.051	1521	1524	1527	rBV3	1925403	2165518	36.02%	1.151%
84	11.310	1564	1568	1573	rVB2	3224874	4546270	75.63%	2.415%
85	11.410	1583	1585	1587	rBV2	1027571	952221	15.84%	0.506%
86	11.433	1587	1589	1592	rVB	1383426	1217214	20.25%	0.647%
87	11.910	1668	1670	1672	rBV	1287452	1225017	20.38%	0.651%
88	11.939	1673	1675	1678	rVB	1856378	1669228	27.77%	0.887%
89	12.021	1686	1689	1691	rVB	1170657	1042607	17.34%	0.554%
90	12.380	1747	1750	1753	rBV2	1213237	1242496	20.67%	0.660%
91	12.457	1760	1763	1766	rVB	1374920	1452261	24.16%	0.772%
92	12.774	1814	1817	1819	rBV2	484646	528286	8.79%	0.281%
93	12.862	1830	1832	1835	rVB	627304	578135	9.62%	0.307%
94	12.898	1836	1838	1842	rVB	804241	876569	14.58%	0.466%
95	12.980	1848	1852	1855	rVB	2528165	2498323	41.56%	1.327%
96	14.027	2027	2030	2034	rBV	942628	895163	14.89%	0.476%
97	14.774	2154	2157	2159	rBV	582542	564960	9.40%	0.300%
98	15.133	2214	2218	2224	rVB	456986	523157	8.70%	0.278%
99	15.498	2275	2280	2293	rVB2	833949	1608357	26.75%	0.855%
100	15.951	2352	2357	2372	rVB	322287	531811	8.85%	0.283%

Sum of corrected areas: 188214732

LSC Report - Integrated Chromatogram

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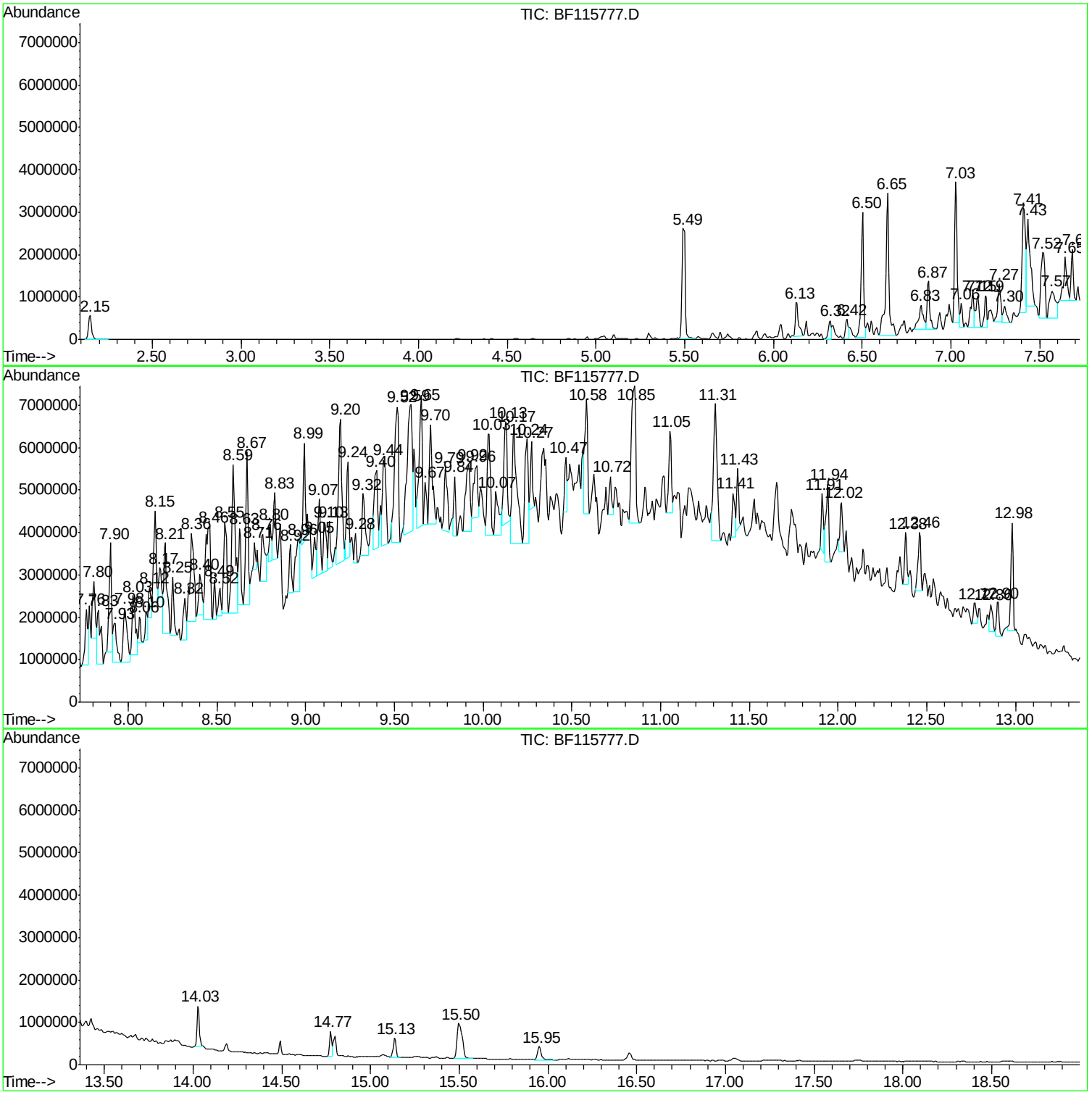
Sample : K3961-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10-A

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
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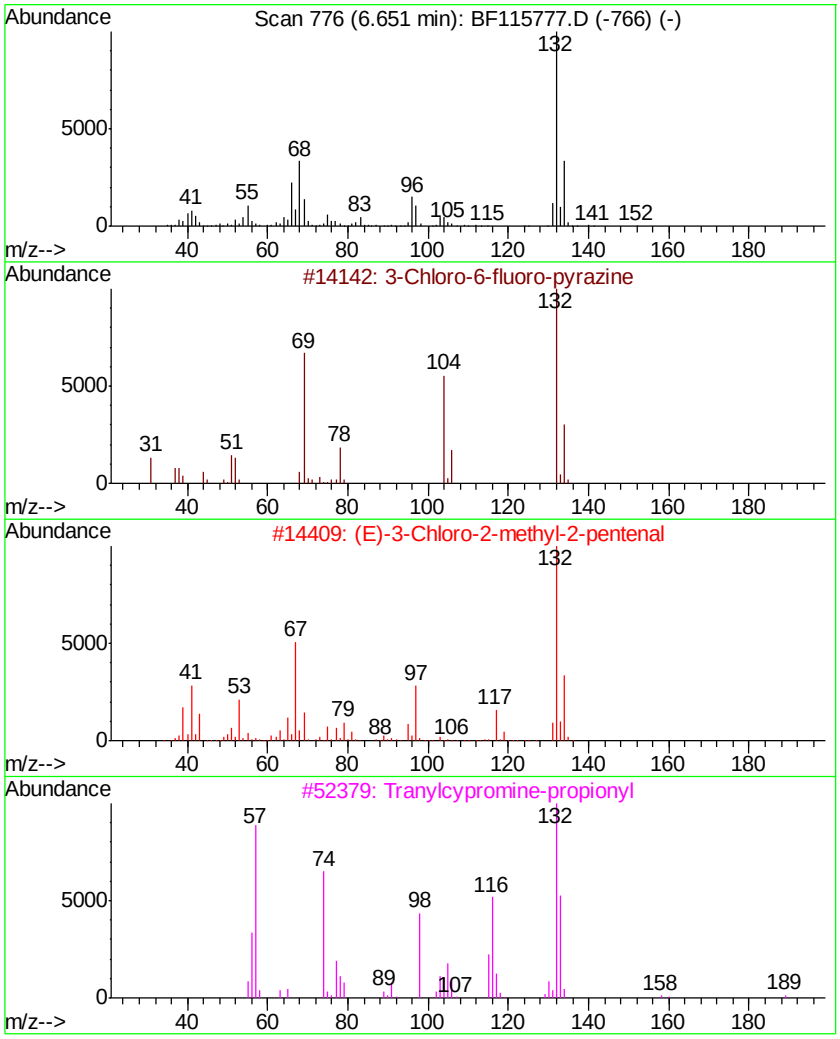
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

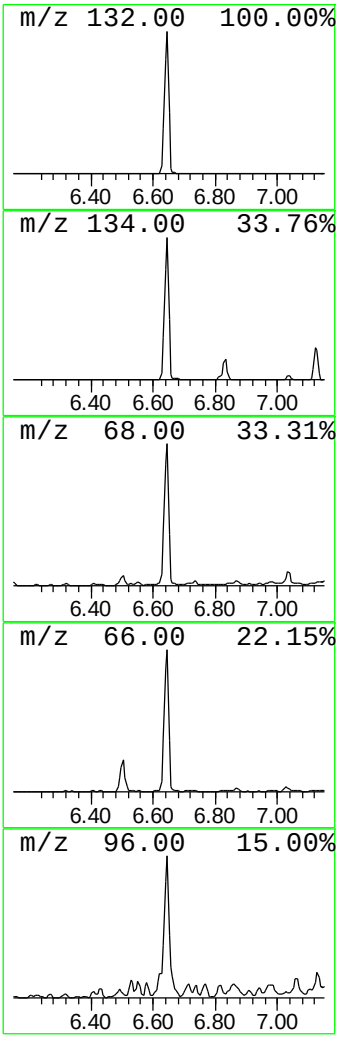
****

Peak Number 1 unknown6.65 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	69.60 ng	4568950	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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : TP-10-A

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

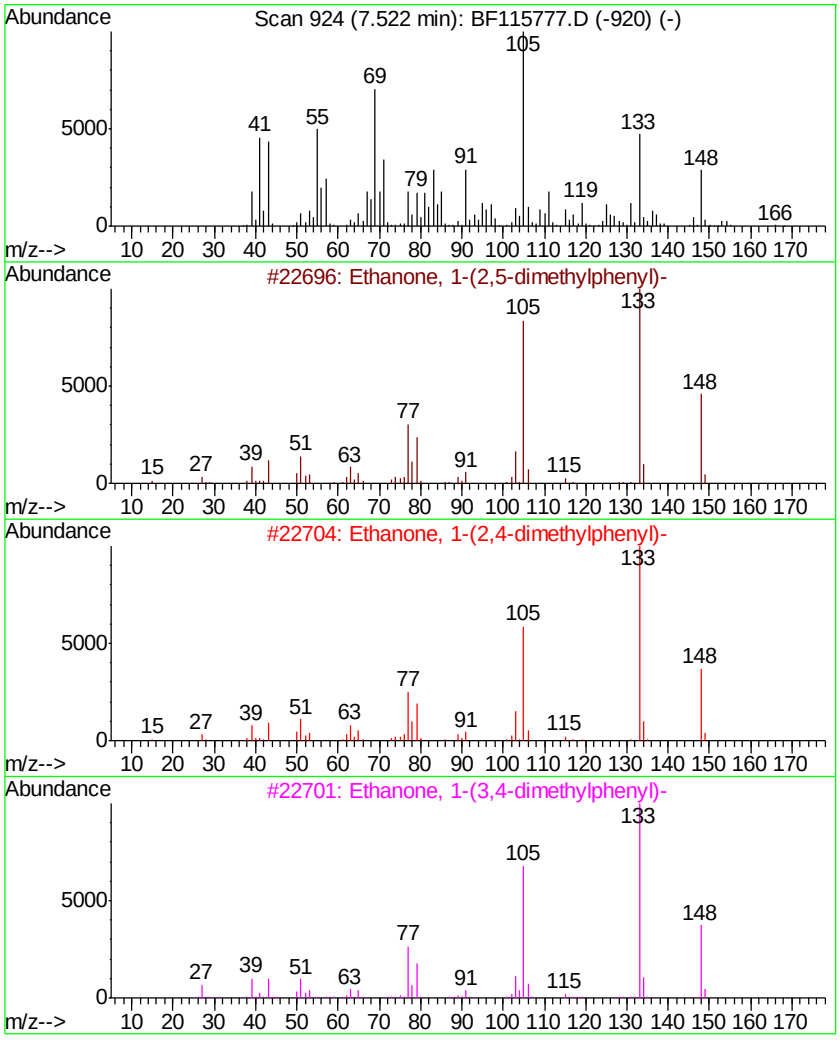
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

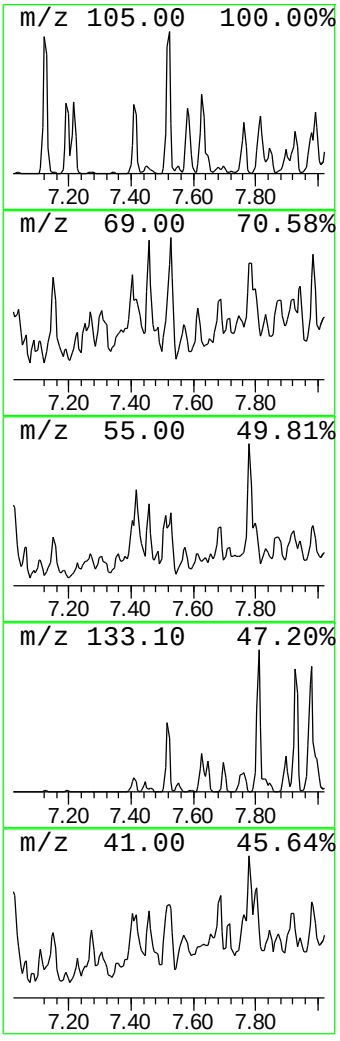
****

Peak Number 3 Ethanone, 1-(2,5-dimethylph... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	34.39 ng	2257340	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	70
2	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	70
3	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	38
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	30
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	30





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TIC Library : C:\DATABASE\NIST11.L
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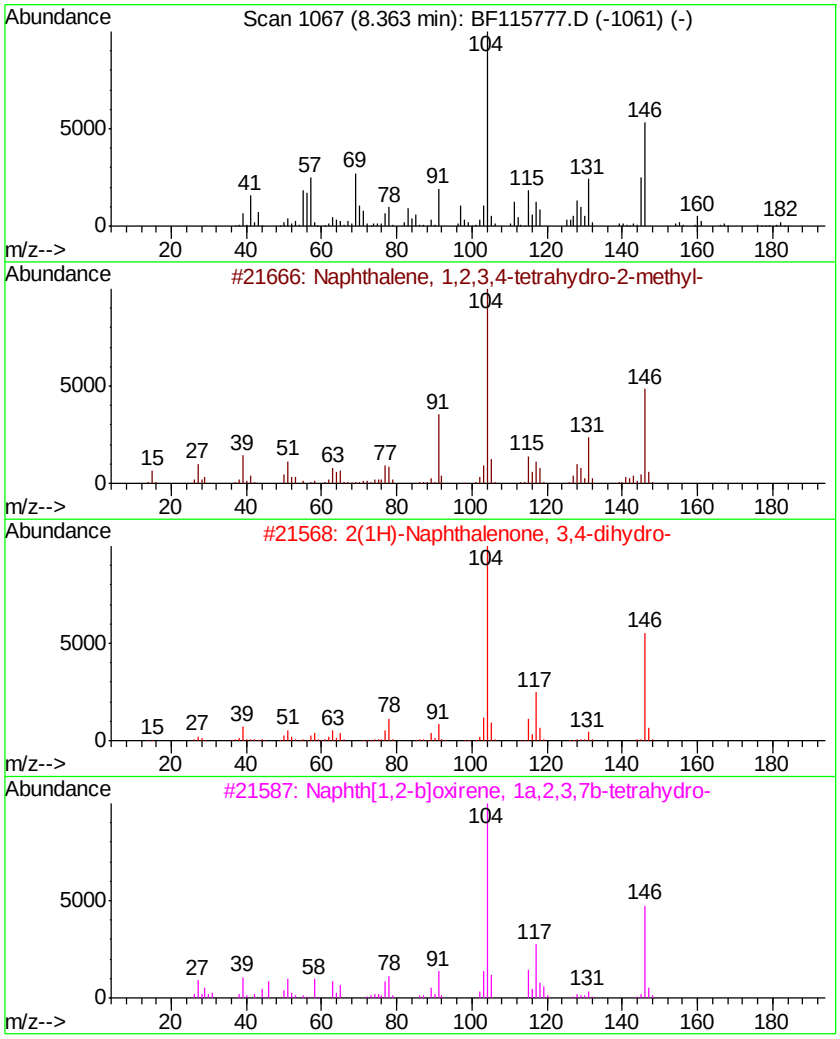
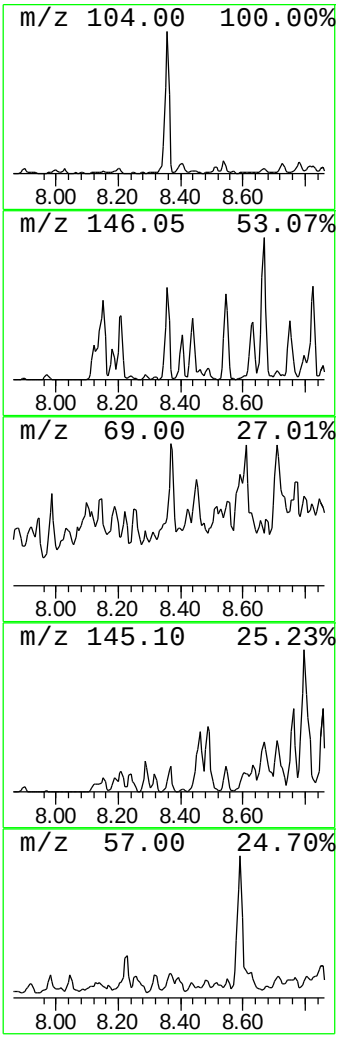
****

Peak Number 4 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	25.32 ng	3122550	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	62
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	62
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-92-1	50
5	Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	43





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Instrument : BNA_F
ClientSampleId : TP-10-A

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

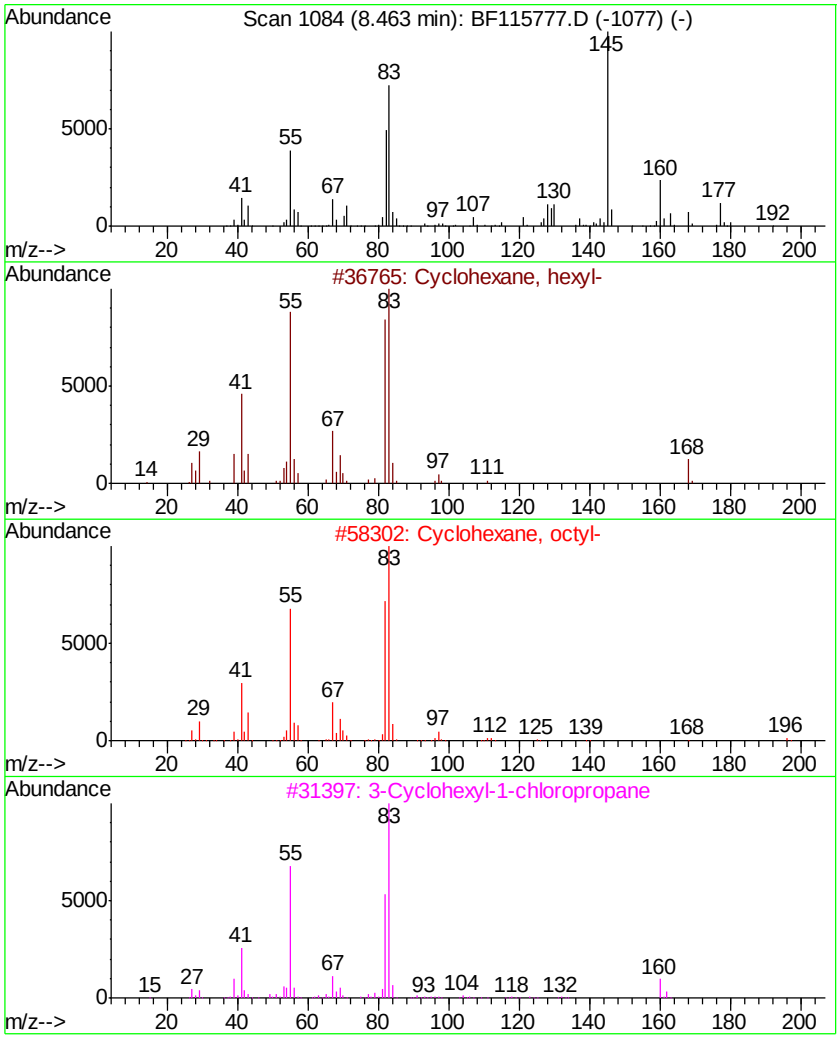
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

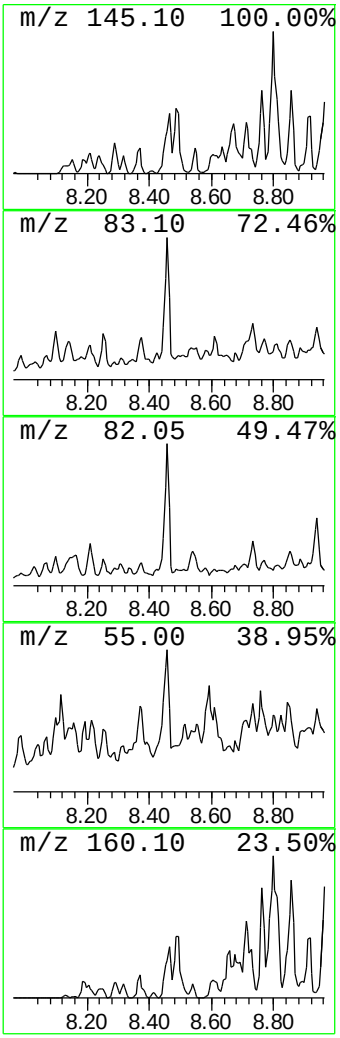
****

Peak Number 5 Cyclohexane, hexyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	32.61 ng	4022060	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	52
3	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	52
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	50





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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

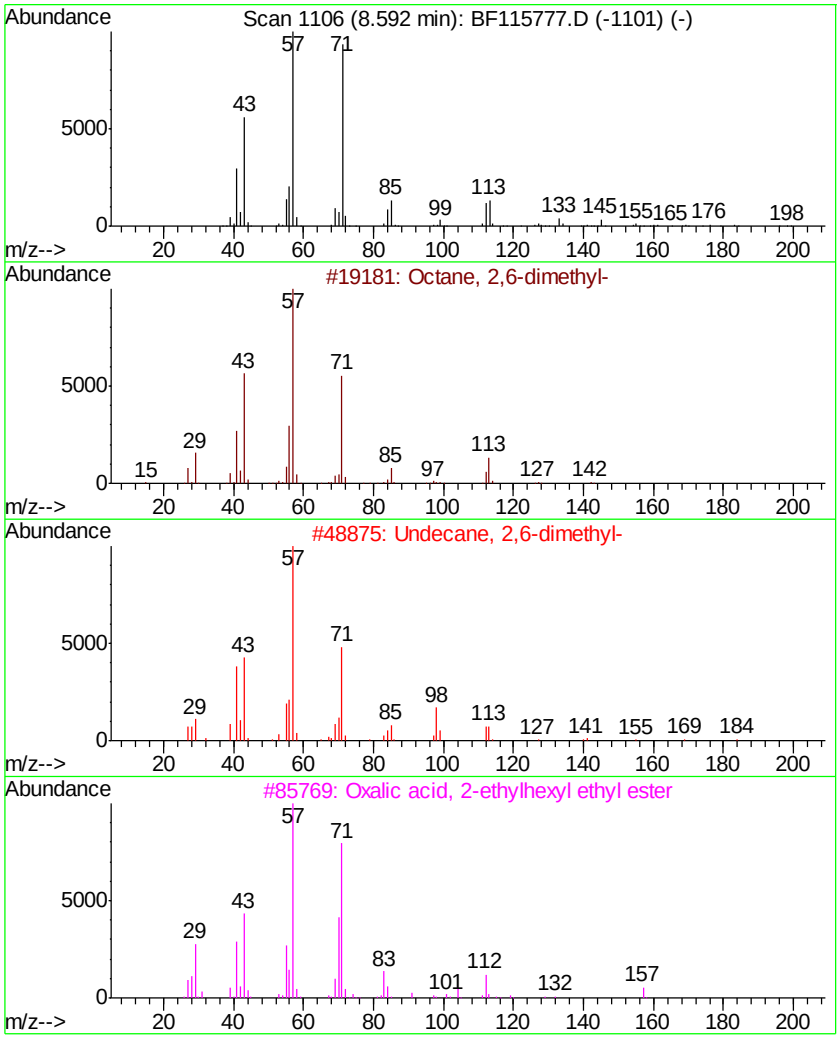
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

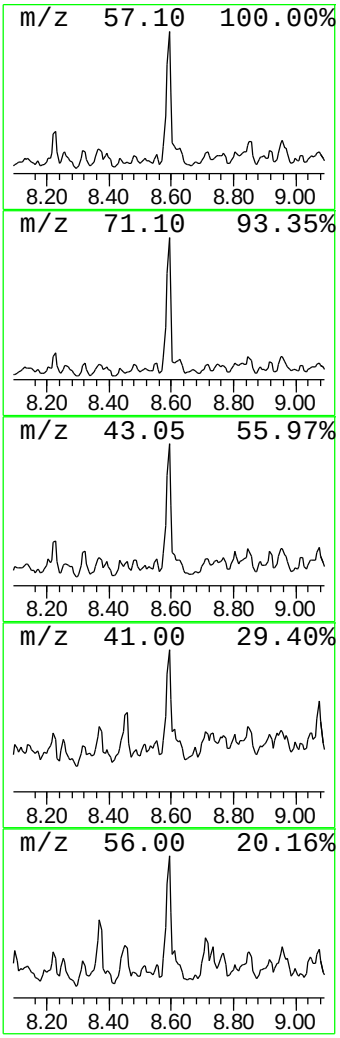
****

Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	38.22 ng	4713320	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	72
3	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	64
4	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	59
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	53





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Operator : HP/JU
Sample : K3961-03
Misc :
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Instrument : BNA_F
ClientSampleId : TP-10-A

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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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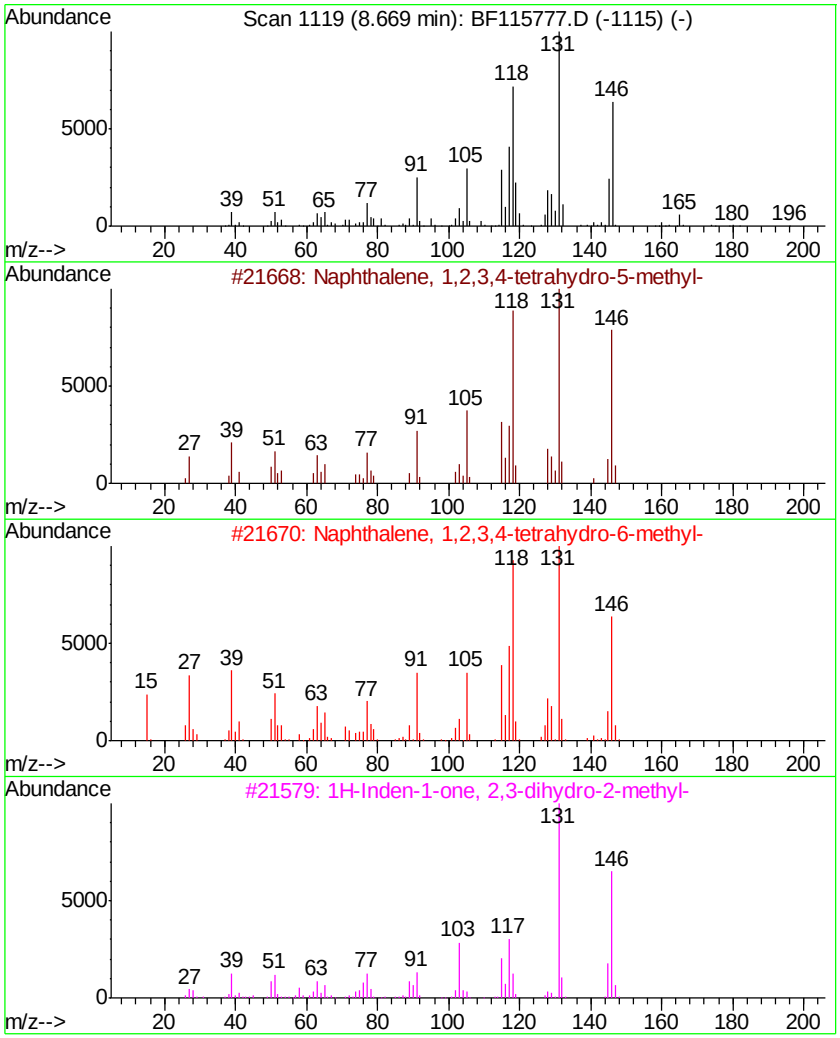
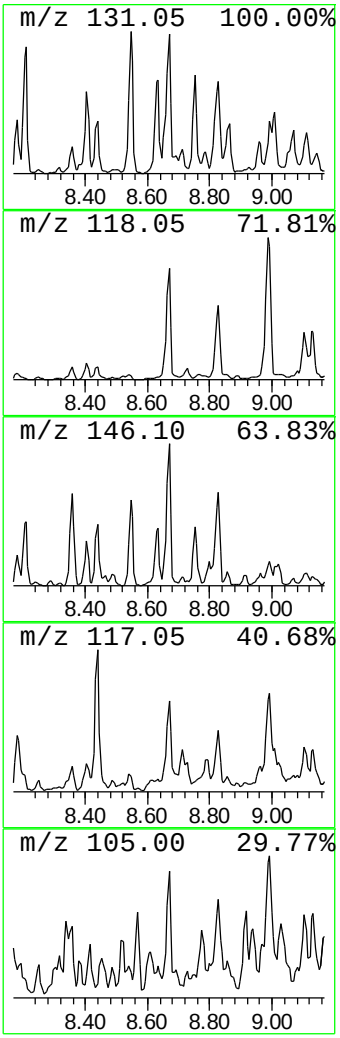
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	31.69 ng	3907920	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
3	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	76
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64





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Misc :
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Instrument : BNA_F
ClientSampleId : TP-10-A

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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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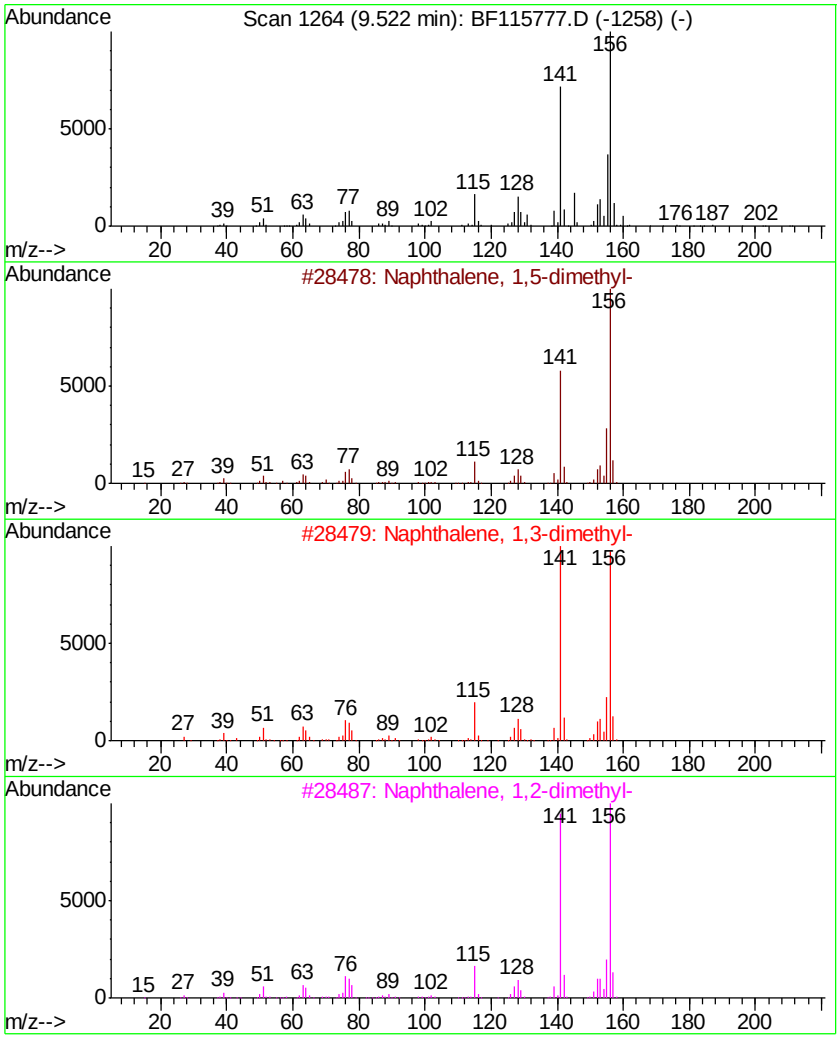
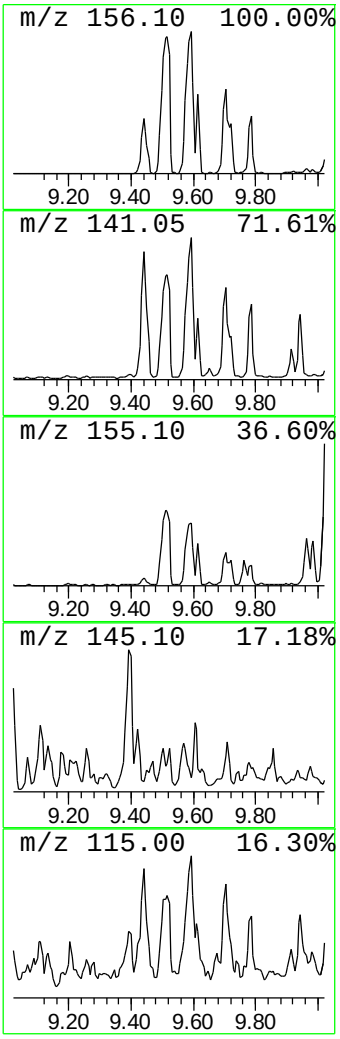
Peak Number 8 Naphthalene, 1,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	39.77 ng	5361200	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10-A

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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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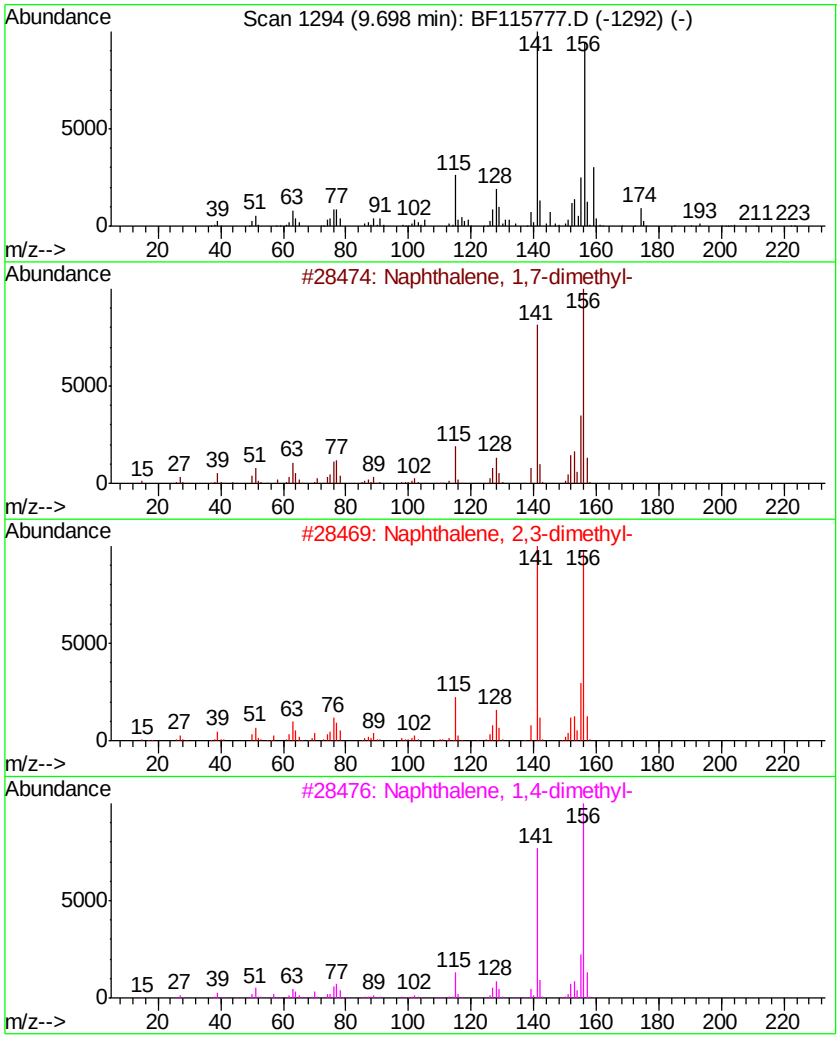
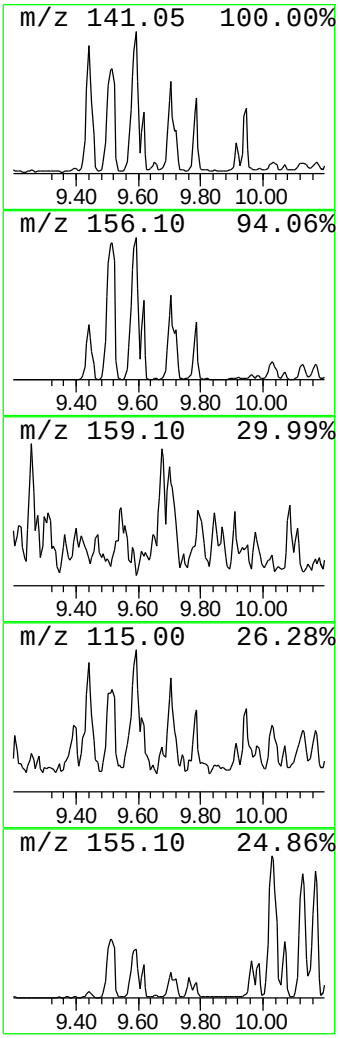
Peak Number 9 Naphthalene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	22.33 ng	3010700	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94





Library Search Compound Report

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10-A

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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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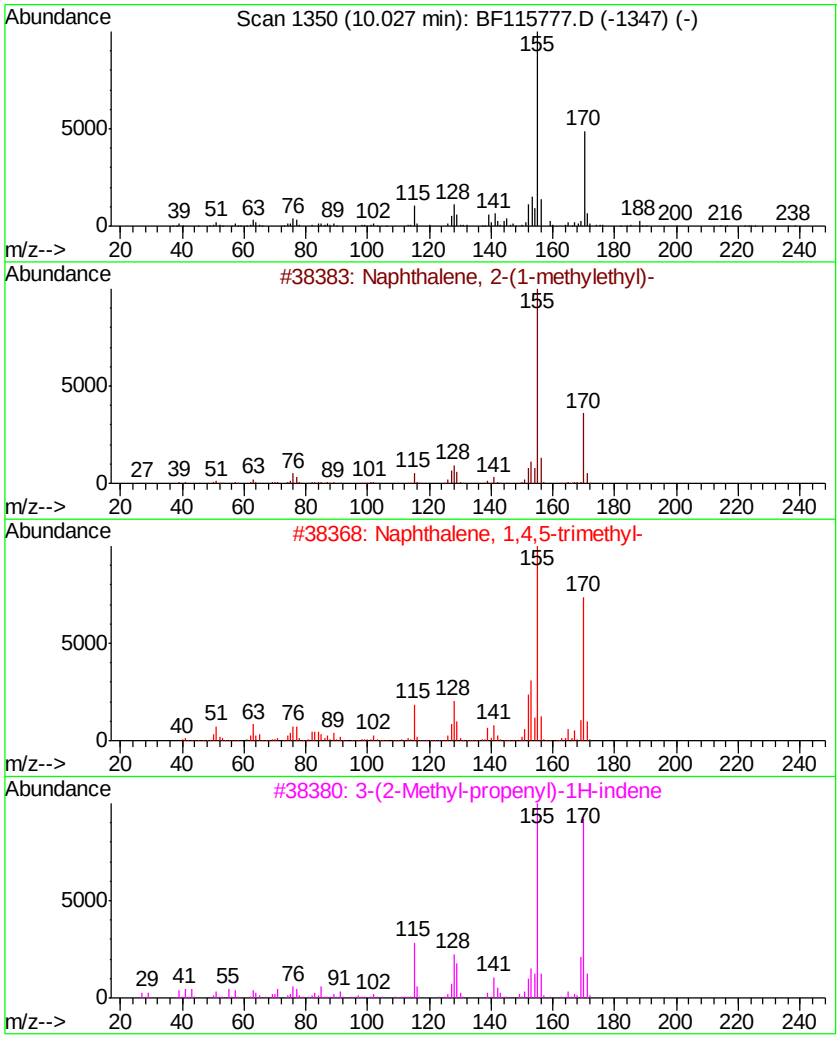
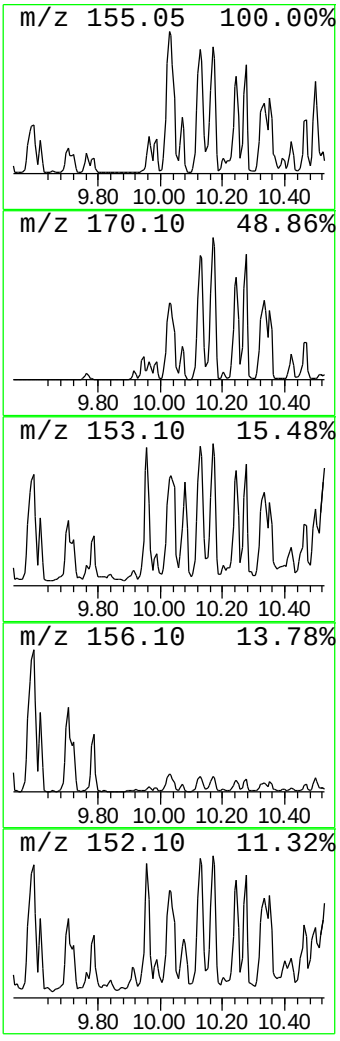
Peak Number 10 Naphthalene, 2-(1-methyleth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	25.72 ng	3466710	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	86
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83
4	Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	76
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	74





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10-A

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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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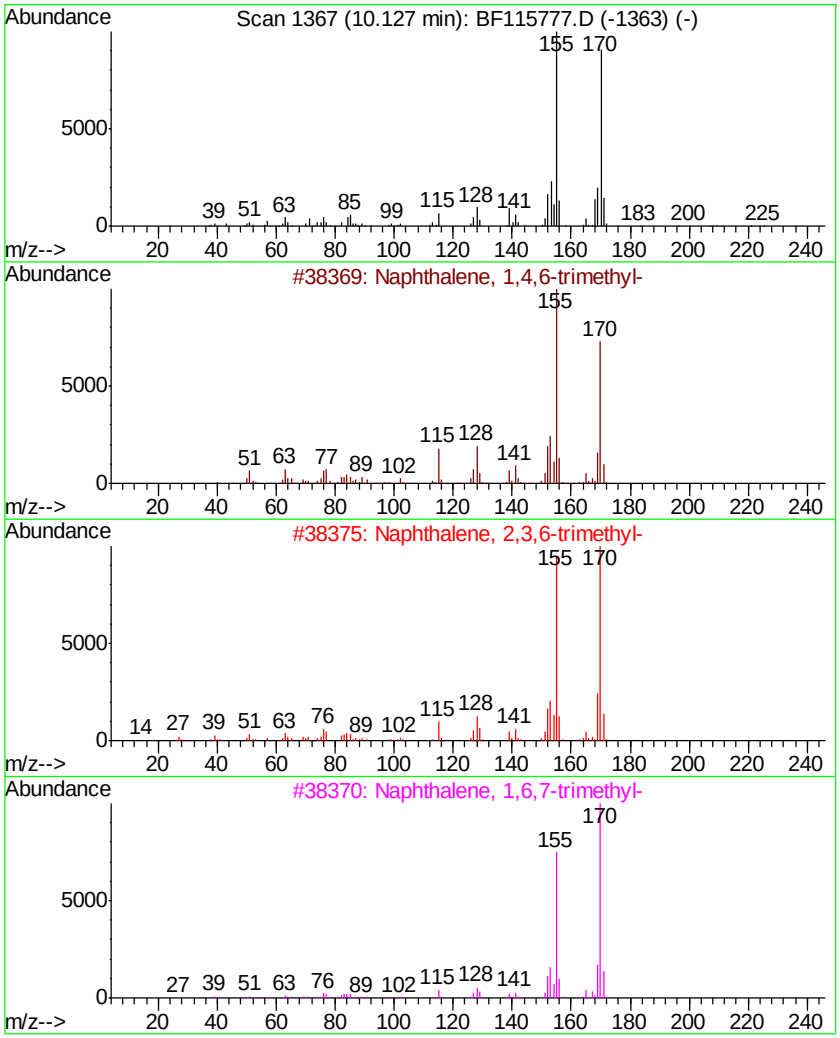
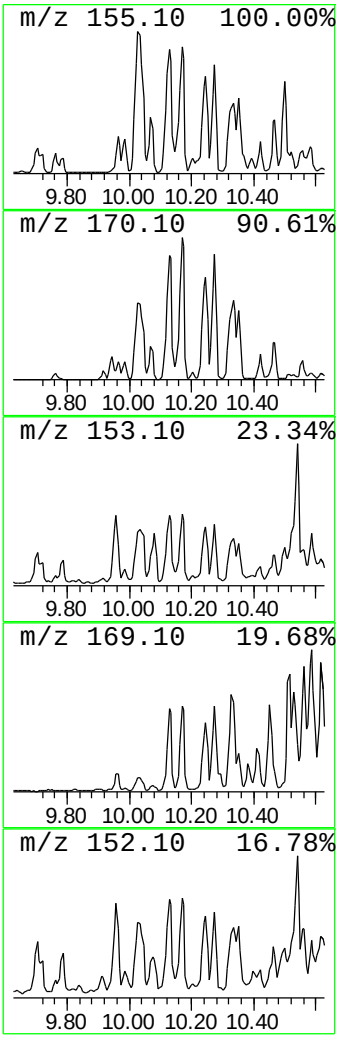
Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	25.96 ng	3499120	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83





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Sample : K3961-03
Misc :
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Instrument : BNA_F
ClientSampleId : TP-10-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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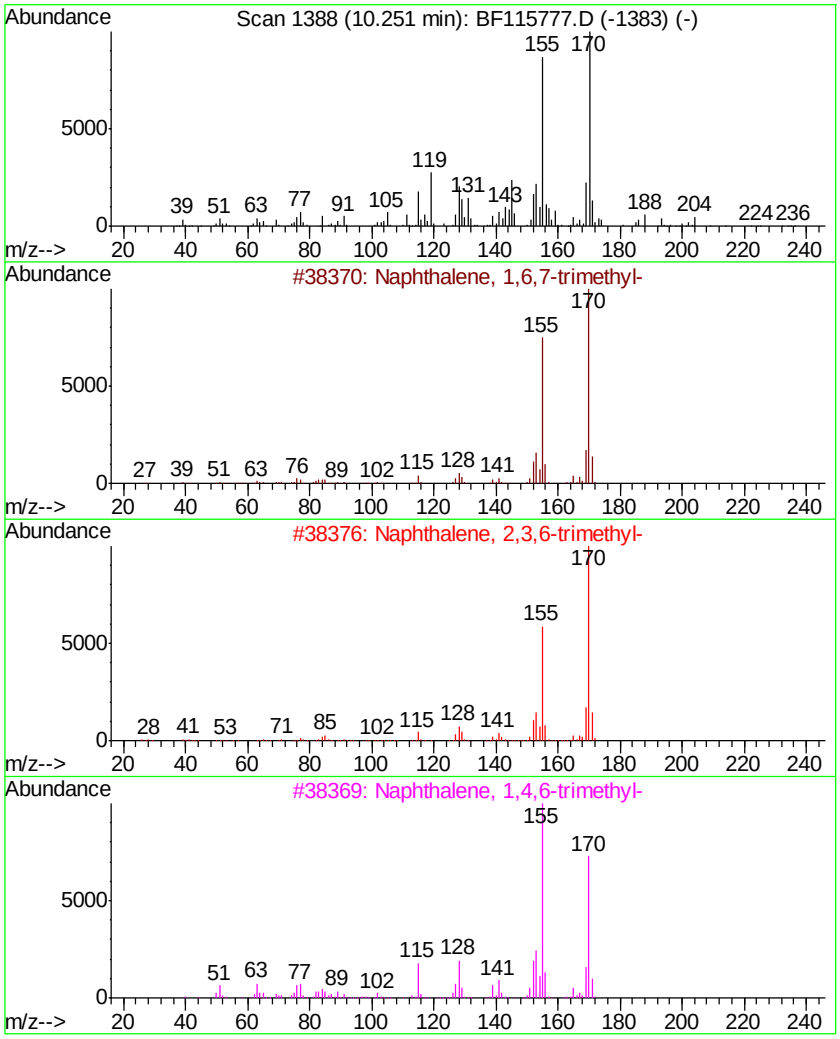
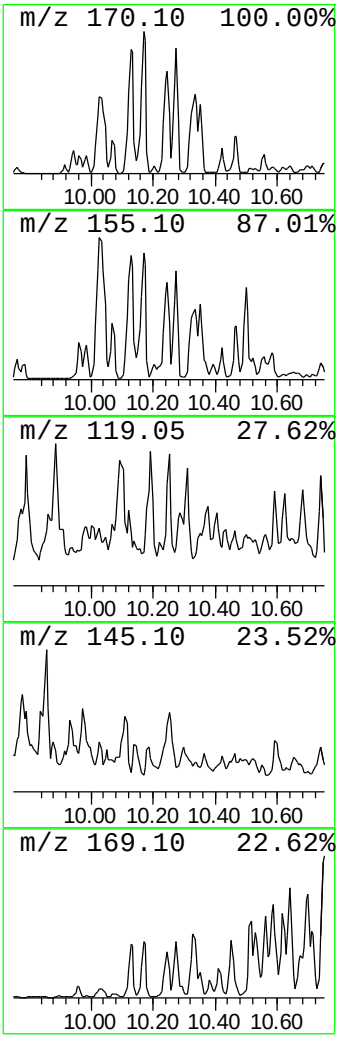
Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	22.23 ng	2996610	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





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Misc :
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Instrument : BNA_F
ClientSampleId : TP-10-A

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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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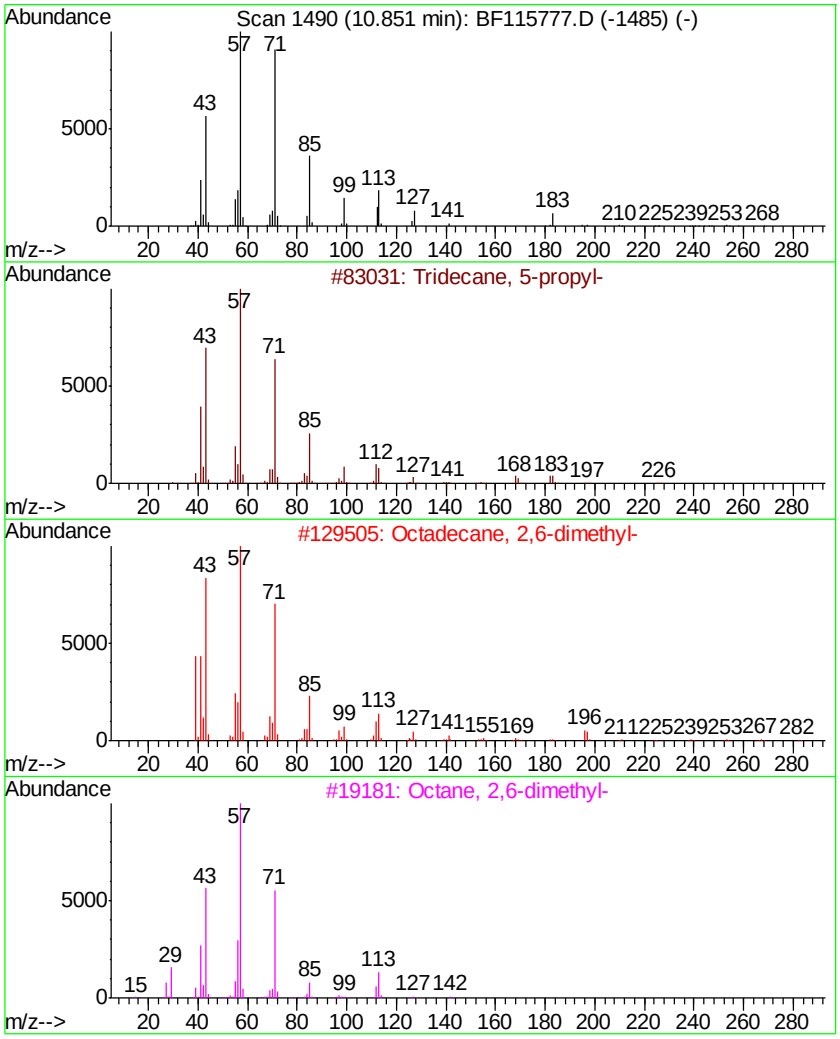
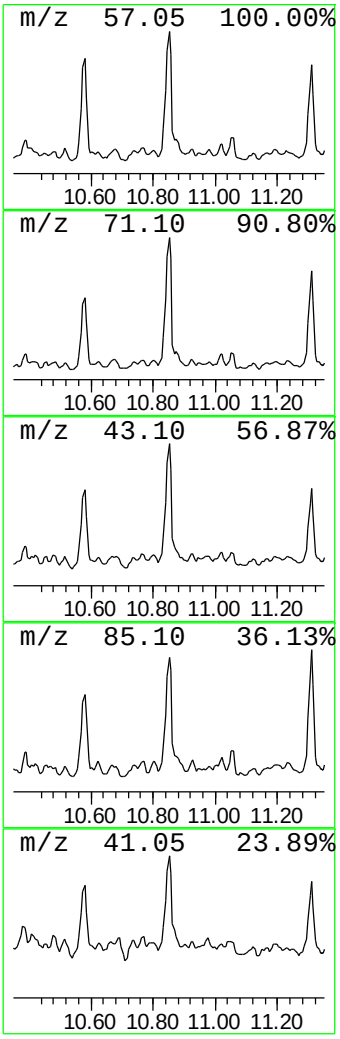
Peak Number 14 Tridecane, 5-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	108.38 ng	5160200	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	83
2	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	83
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	59
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	53





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Sample : K3961-03
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ALS Vial : 20 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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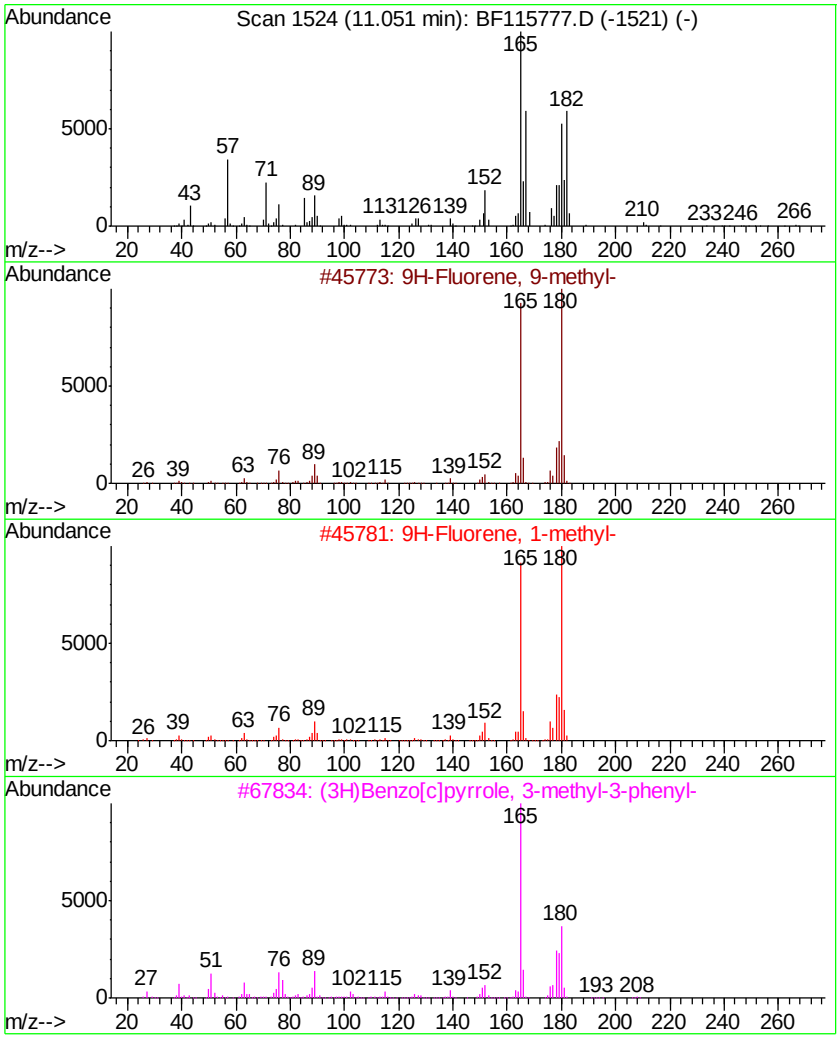
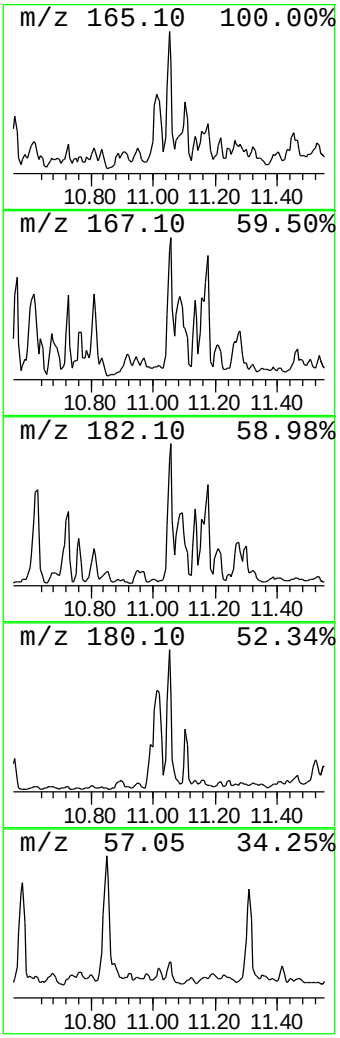
Peak Number 15 9H-Fluorene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	45.48 ng	2165520	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	50
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50
3	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	46
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	45
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	45





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ClientSampleId : TP-10-A

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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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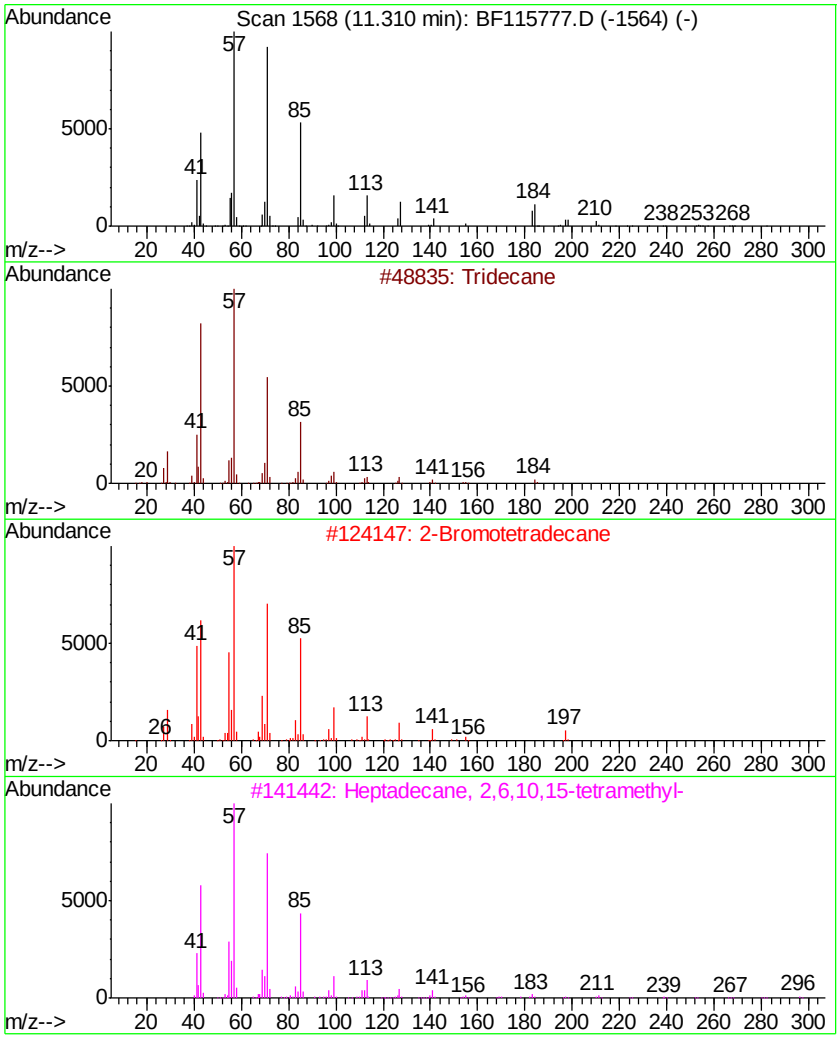
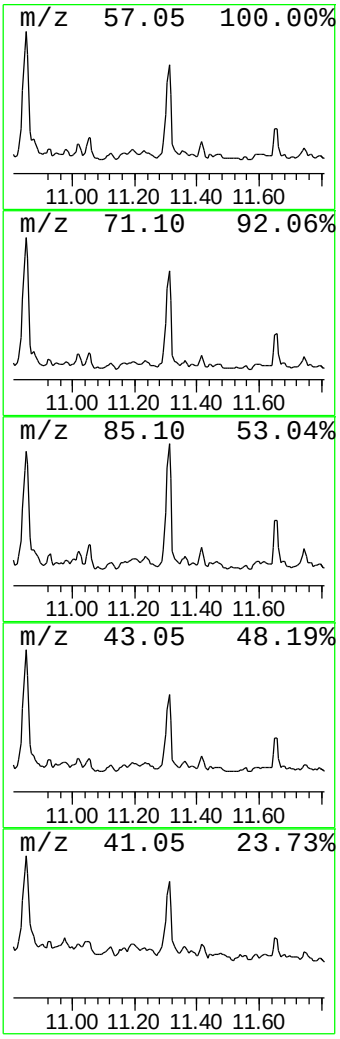
Peak Number 16 Tridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	95.49 ng	4546270	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	2-Bromotetradecane	276	C14H29Br	074036-95-6	86
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
4	Hexacosane	366	C26H54	000630-01-3	78
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72





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ClientSampleId : TP-10-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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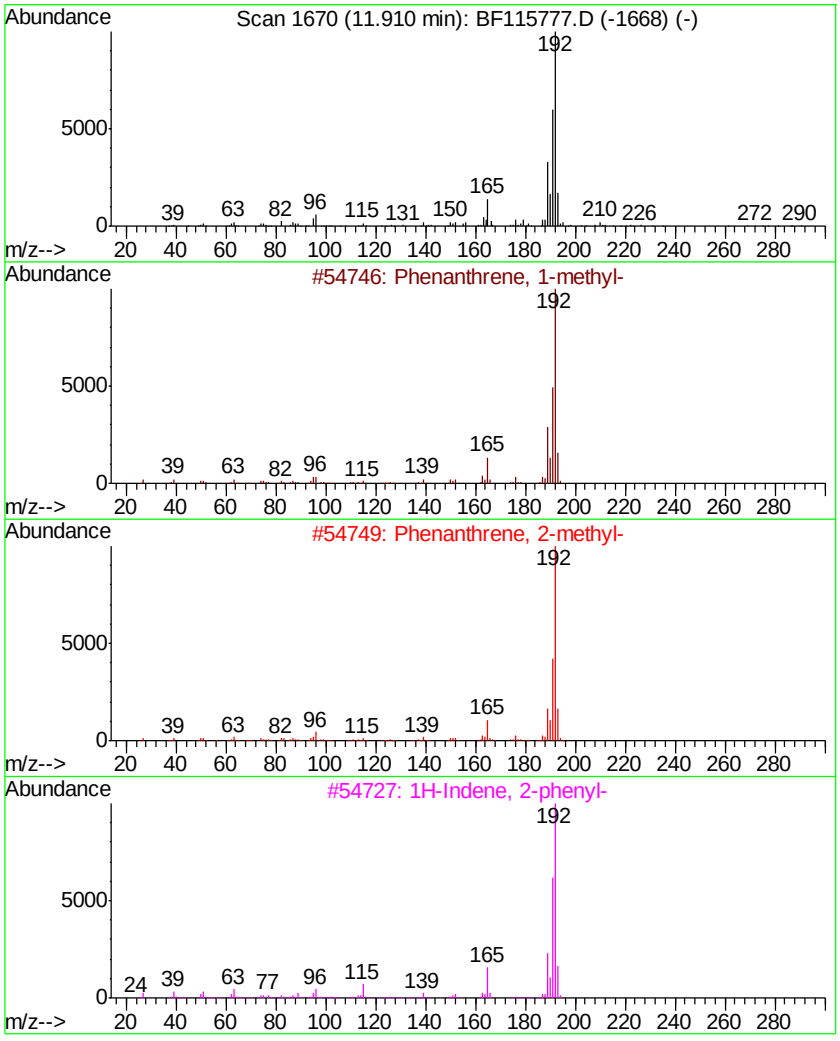
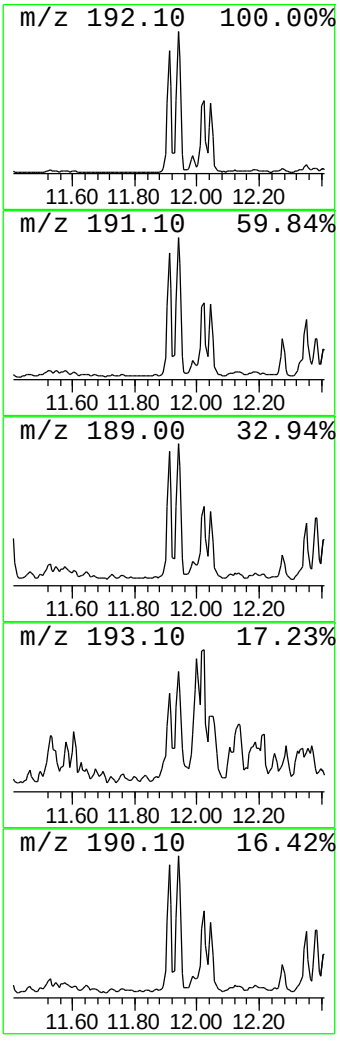
Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	25.73 ng	1225020	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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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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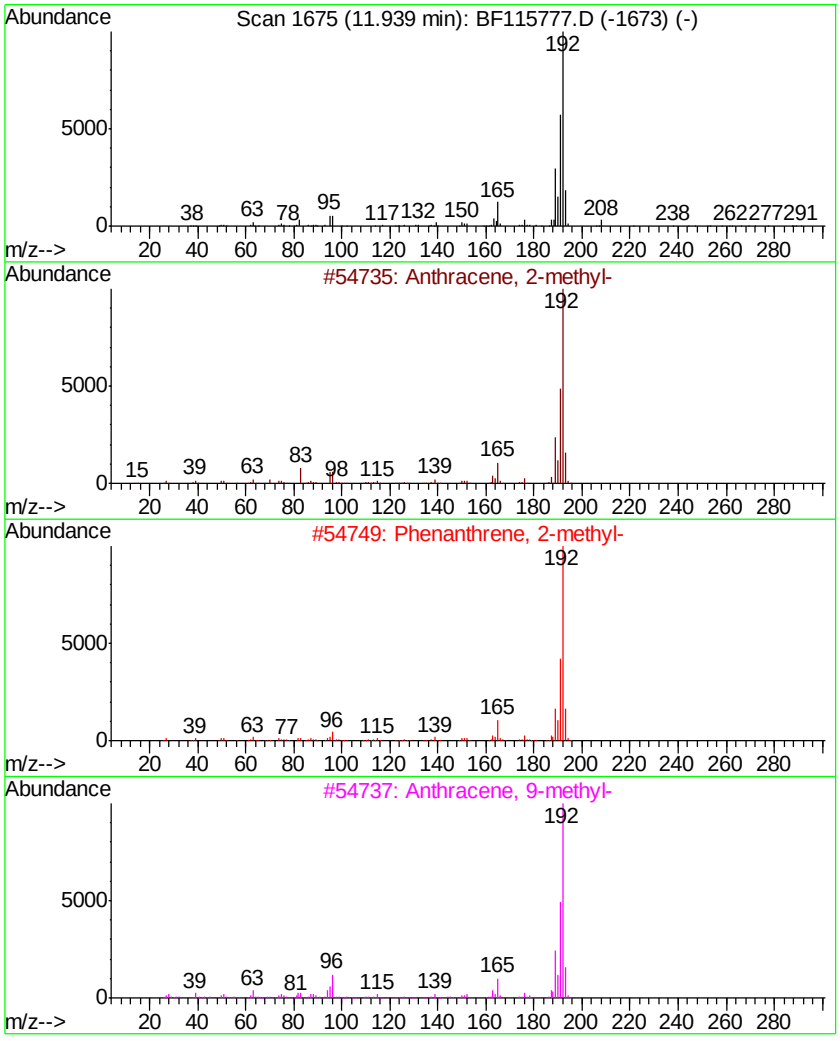
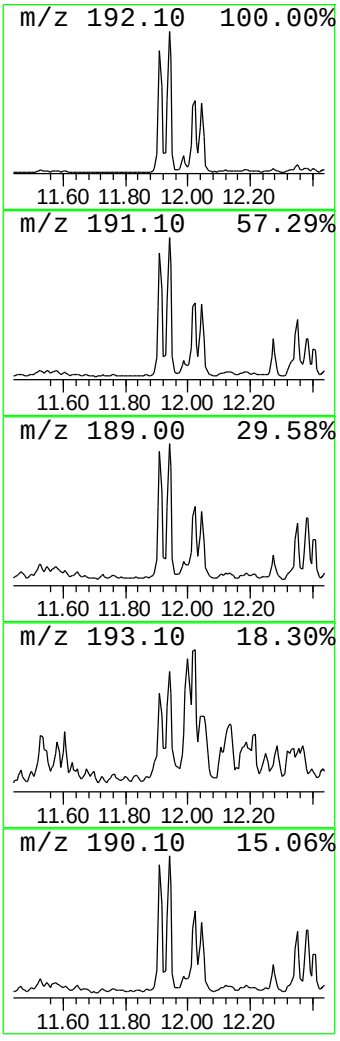
Peak Number 18 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	35.06 ng	1669230	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Data File : BF115777.D
Acq On : 26 Jul 2019 00:00
Operator : HP/JU
Sample : K3961-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10-A

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

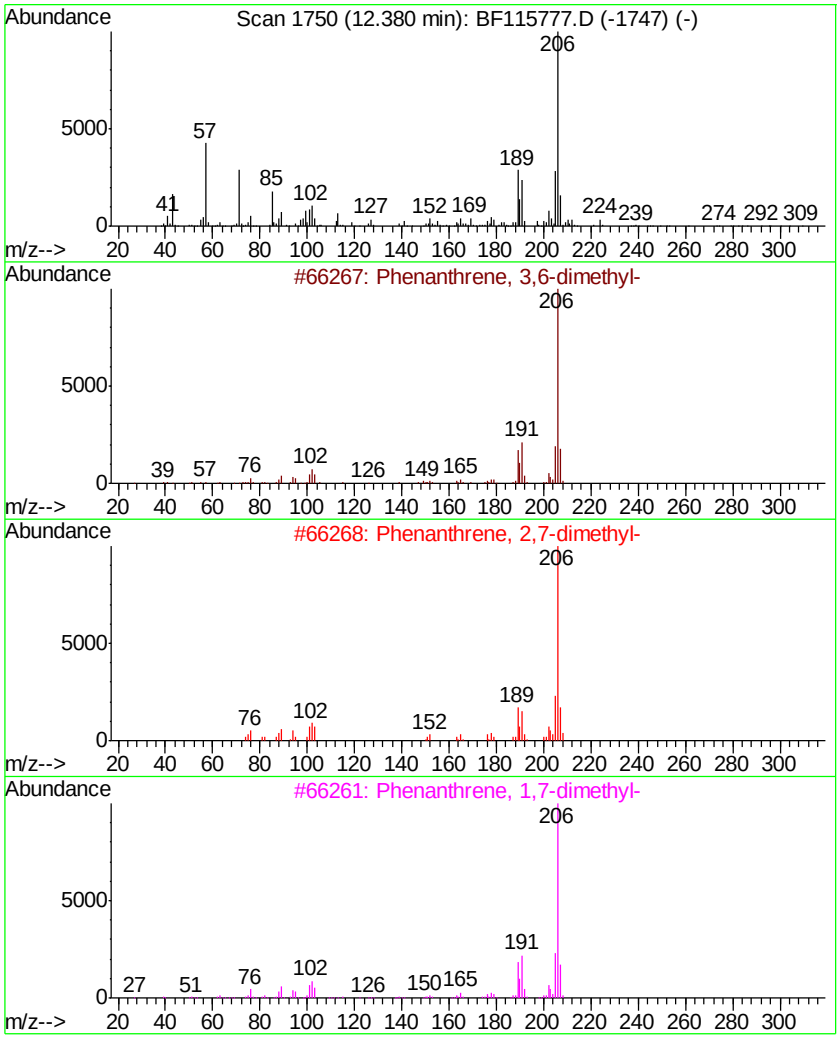
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

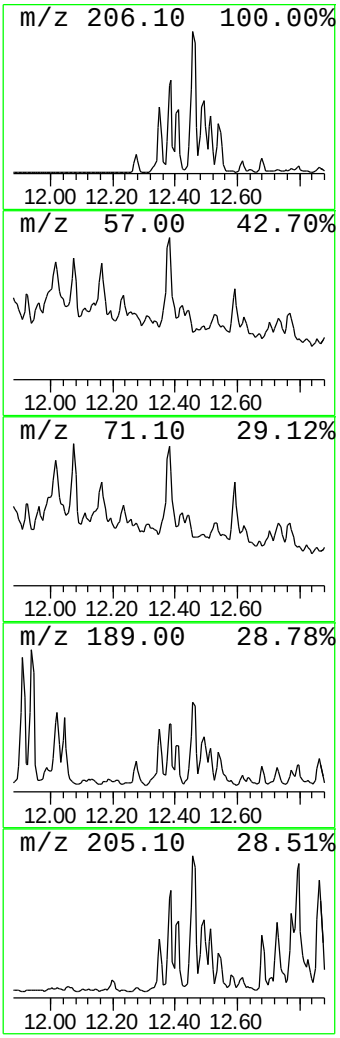
****

Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	26.10 ng	1242500	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	68
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
Data File : BF115777.D
Acq On : 26 Jul 2019 00:00
Operator : HP/JU
Sample : K3961-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10-A

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

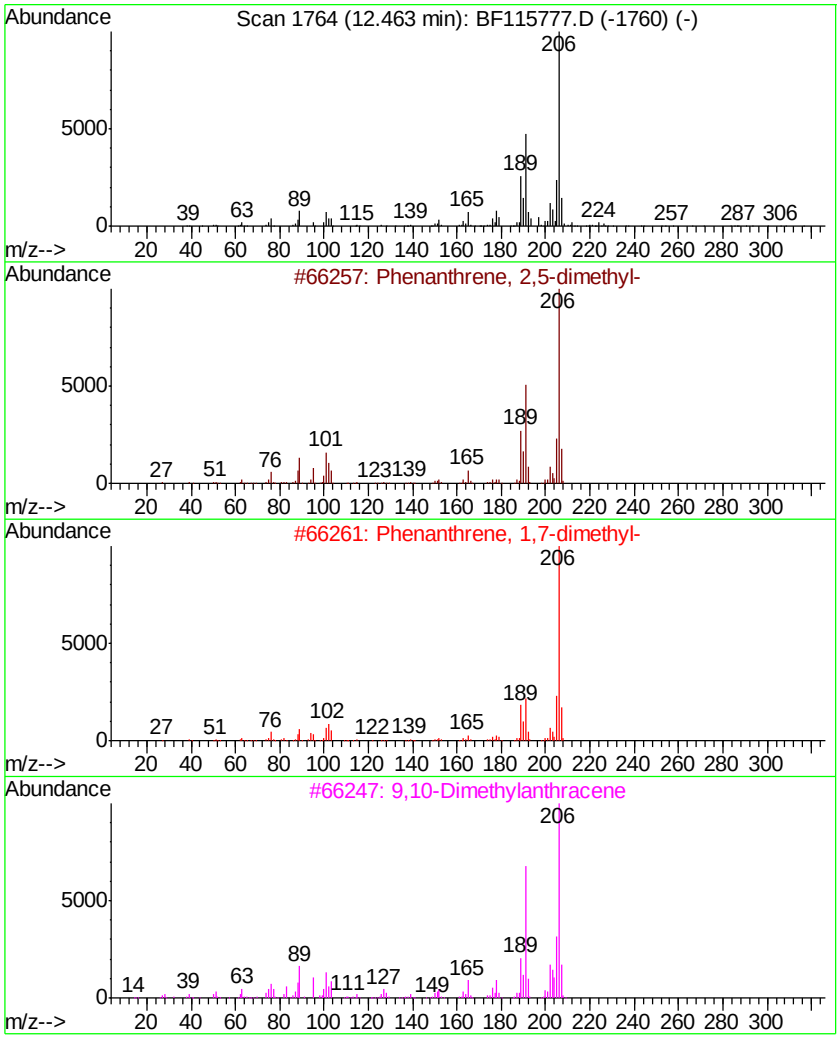
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

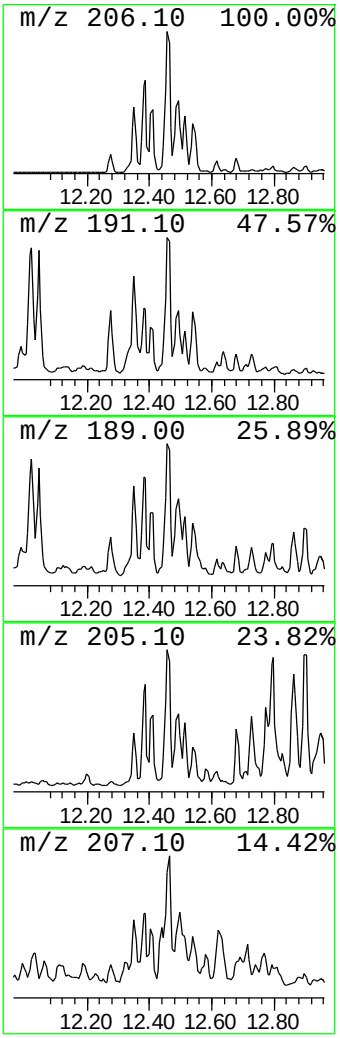
****

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	30.50 ng	1452260	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072519\
Data File : BF115777.D
Acq On : 26 Jul 2019 00:00
Operator : HP/JU
Sample : K3961-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-10-A

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.65	6.65	69.6	ng	4568950	1	6.87	1312950	20.0
Ethanone, 1-(2,5-...	7.52	34.4	ng	2257340	1	6.87	1312950	20.0
Naphthalene, 1,2,...	8.36	25.3	ng	3122550	2	8.16	2466500	20.0
Cyclohexane, hexyl-	8.46	32.6	ng	4022060	2	8.16	2466500	20.0
Octane, 2,6-dimet...	8.59	38.2	ng	4713320	2	8.16	2466500	20.0
Naphthalene, 1,2,...	8.67	31.7	ng	3907920	2	8.16	2466500	20.0
Naphthalene, 1,5-...	9.52	39.8	ng	5361200	3	9.92	2696140	20.0
Naphthalene, 1,7-...	9.70	22.3	ng	3010700	3	9.92	2696140	20.0
Naphthalene, 2-(1...	10.03	25.7	ng	3466710	3	9.92	2696140	20.0
Naphthalene, 1,4,...	10.13	26.0	ng	3499120	3	9.92	2696140	20.0
Naphthalene, 1,6,...	10.25	22.2	ng	2996610	3	9.92	2696140	20.0
Tridecane, 5-propyl-	10.85	108.4	ng	5160200	4	11.41	952221	20.0
9H-Fluorene, 9-me...	11.05	45.5	ng	2165520	4	11.41	952221	20.0
Tridecane	11.31	95.5	ng	4546270	4	11.41	952221	20.0
Phenanthrene, 1-m...	11.91	25.7	ng	1225020	4	11.41	952221	20.0
Anthracene, 2-met...	11.94	35.1	ng	1669230	4	11.41	952221	20.0
Phenanthrene, 3,6...	12.38	26.1	ng	1242500	4	11.41	952221	20.0
Phenanthrene, 2,5...	12.46	30.5	ng	1452260	4	11.41	952221	20.0