LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001036.D
Acq On : 12 Nov 2019 01:08
Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

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_P\METHODS\8270-BP110619.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	6.146	680	690	694	rBV	13549555	23130227	17.22%	1.032%
2	6.287	707	714	716	rBV	6510561	9406748	7.00%	0.420%
3	6.658	766	777	794	rBV2	8118100	15013650	11.18%	0.670%
4	7.693	943	953	956	rBV	16245049	29036209	21.62%	1.295%
5	7.734	956	960	963	rVV	11080528	12868479	9.58%	0.574%
6	7.793	963	970	973	rVV	5864264	7104656	5.29%	0.317%
7	7.916	985	991	995	rBV	5111988	5993388	4.46%	0.267%
8	8.146	1022	1030	1037	rVV3	12339105	22081800	16.44%	0.985%
9	8.493	1078	1089	1094	rBV3	4097702	10431586	7.77%	0.465%
10	8.587	1094	1105	1110	rVB2	2375046	7153252	5.33%	0.319%
11	8.734	1110	1130	1133	rVB	24166684	94425662	70.30%	4.212%
12	8.804	1138	1142	1146	rBV	8513714	9719606	7.24%	0.434%
13	8.916	1156	1161	1165	rBV2	7498477	9199667	6.85%	0.410%
14	9.252	1208	1218	1222	rVV2	7224979	10405493	7.75%	0.464%
15	9.916	1325	1331	1335	rVB	9560213	13518500	10.06%	0.603%
16	10.034	1341	1351	1356	rBV3	6633425	17564133	13.08%	0.784%
17	10.093	1356	1361	1369	rVV	8873510	21524935	16.02%	0.960%
18	10.546	1412	1438	1440	rVV3	23201381	130684389	97.29%	5.830%
19	11.504	1591	1601	1609	rVB5	1988543	6437911	4.79%	0.287%
20	11.634	1609	1623	1626	rVB	21832386	63240738	47.08%	2.821%
21	11.798	1635	1651	1653	rVV	21313704	59228083	44.09%	2.642%
22	12.363	1738	1747	1751	rVB	10031944	15400489	11.47%	0.687%
23	12.463	1759	1764	1768	rVV3	4691244	8595494	6.40%	0.383%
24	12.528	1768	1775	1781	rVV	13707550	29726650	22.13%	1.326%
25	12.651	1785	1796	1797	rVV2	16370530	39867049	29.68%	1.778%
26	12.792	1807	1820	1823	rVV2	18061355	60927196	45.36%	2.718%
27	12.834	1823	1827	1830	rVV2	19912127	30170874	22.46%	1.346%
28	12.869	1830	1833	1838	rVV	6571244	6979340	5.20%	0.311%
29	12.963	1838	1849	1852	rVV	13192113	31448314	23.41%	1.403%
30	13.092	1863	1871	1877	rVB3	17390559	33956771	25.28%	1.515%
31	13.287	1899	1904	1906	rBV4	3993921	5976984	4.45%	0.267%
32	13.322	1906	1910	1912	rVV	12076677	15071177	11.22%	0.672%
33	13.387	1913	1921	1926	rVB4	17403498	39780505	29.62%	1.775%
34	13.504	1934	1941	1947	rBV2	8498670	19757852	14.71%	0.881%

LSC Area Percent Report

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Misc :
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Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

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
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Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.645	1960	1965	1968	rBV2	11246166	21074432	15.69%	0.940%
36	13.734	1973	1980	1983	rBV	12226734	19182169	14.28%	0.856%
37	13.851	1990	2000	2004	rBV3	10884476	24895892	18.53%	1.111%
38	13.898	2004	2008	2017	rVB	10008326	16369166	12.19%	0.730%
39	14.004	2017	2026	2028	rBV2	8143294	21065188	15.68%	0.940%
40	14.157	2048	2052	2056	rVB2	6203597	8293874	6.17%	0.370%
41	14.198	2056	2059	2060	rBV	6592240	6392467	4.76%	0.285%
42	14.251	2061	2068	2071	rVV3	16638253	40744154	30.33%	1.818%
43	14.410	2090	2095	2098	rBV2	4597891	7124688	5.30%	0.318%
44	14.492	2103	2109	2111	rBV3	9294547	14145145	10.53%	0.631%
45	14.516	2111	2113	2117	rVB2	6440231	7342922	5.47%	0.328%
46	14.586	2118	2125	2127	rBV	9106542	15835805	11.79%	0.706%
47	14.610	2127	2129	2137	rVB3	7147224	15720690	11.70%	0.701%
48	14.687	2137	2142	2151	rVB4	4933966	8482629	6.32%	0.378%
49	14.828	2162	2166	2171	rVB2	6080709	8147382	6.07%	0.363%
50	14.945	2180	2186	2190	rVB3	3891377	7582986	5.65%	0.338%
51	15.128	2206	2217	2220	rBV	12217115	31040407	23.11%	1.385%
52	15.175	2220	2225	2228	rVB	9823918	15005942	11.17%	0.669%
53	15.257	2234	2239	2242	rVB	8788681	12573963	9.36%	0.561%
54	15.334	2247	2252	2254	rBV3	4136752	7000788	5.21%	0.312%
55	15.428	2264	2268	2275	rVB4	4954263	8447991	6.29%	0.377%
56	15.563	2285	2291	2295	rVB	13480400	23770034	17.70%	1.060%
57	15.839	2315	2338	2339	rBV	25129645	134321881	100.00%	5.992%
58	15.886	2339	2346	2348	rVV	18220171	36051101	26.84%	1.608%
59	15.910	2348	2350	2354	rVB3	6003549	7022422	5.23%	0.313%
60	15.951	2354	2357	2364	rBV2	3682982	6939488	5.17%	0.310%
61	16.181	2391	2396	2398	rBV	5641013	8026875	5.98%	0.358%
62	16.222	2398	2403	2407	rVB2	8621811	14098188	10.50%	0.629%
63	16.339	2419	2423	2428	rVB	8708397	14074959	10.48%	0.628%
64	16.404	2428	2434	2439	rBV2	3602002	6145588	4.58%	0.274%
65	16.486	2439	2448	2452	rBV	16239357	47630956	35.46%	2.125%
66	16.545	2452	2458	2461	rVB	19775309	38584089	28.73%	1.721%
67	16.616	2461	2470	2471	rBV	7825086	18122599	13.49%	0.808%
68	16.663	2472	2478	2482	rVV2	19986647	50300080	37.45%	2.244%
69	16.704	2482	2485	2488	rVB	17600131	21972763	16.36%	0.980%
70	16.904	2512	2519	2522	rBV	11542547	20012580	14.90%	0.893%
71	17.098	2549	2552	2556	rVV3	5038799	7578369	5.64%	0.338%

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Instrument : BNA_P
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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
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Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.145	2556	2560	2562	rVV	6544236	8802816	6.55%	0.393%
73	17.257	2571	2579	2583	rBV2	11928706	27971387	20.82%	1.248%
74	17.310	2583	2588	2590	rVV	11551354	20902162	15.56%	0.932%
75	17.333	2590	2592	2595	rVV	6624770	6738413	5.02%	0.301%
76	17.386	2595	2601	2607	rVB2	7746318	16353187	12.17%	0.730%
77	17.492	2608	2619	2624	rBV2	21709245	57711411	42.97%	2.574%
78	17.551	2624	2629	2631	rBV	4452296	6577012	4.90%	0.293%
79	17.604	2634	2638	2641	rVB	9748925	13467215	10.03%	0.601%
80	17.822	2660	2675	2678	rBV2	22356332	78203287	58.22%	3.489%
81	18.075	2711	2718	2722	rBV	9477849	17035475	12.68%	0.760%
82	18.192	2730	2738	2739	rBV3	6926772	14109350	10.50%	0.629%
83	18.233	2741	2745	2747	rVV	12382381	19346785	14.40%	0.863%
84	18.322	2753	2760	2763	rVV	11523848	22482171	16.74%	1.003%
85	18.369	2763	2768	2771	rVV2	11211823	17575637	13.08%	0.784%
86	18.480	2782	2787	2790	rVV	8747355	14072182	10.48%	0.628%
87	18.527	2790	2795	2799	rVB	11830624	16974089	12.64%	0.757%
88	18.704	2820	2825	2829	rBV	3161645	5940589	4.42%	0.265%
89	18.851	2845	2850	2854	rBV	3690511	8038485	5.98%	0.359%
90	19.016	2874	2878	2881	rVV2	5971461	9365686	6.97%	0.418%
91	19.063	2881	2886	2889	rVV	7484469	11910404	8.87%	0.531%
92	19.351	2927	2935	2939	rBV	13875172	37590586	27.99%	1.677%
93	19.410	2939	2945	2949	rVB2	16373822	30749214	22.89%	1.372%
94	19.857	3015	3021	3024	rVV	8600211	15125808	11.26%	0.675%
95	19.892	3024	3027	3031	rVB	5797070	6409412	4.77%	0.286%
96	20.039	3049	3052	3055	rVB	7866407	8537035	6.36%	0.381%
97	20.663	3149	3158	3161	rBV	8289862	21651722	16.12%	0.966%
98	21.010	3210	3217	3222	rVB	5755736	10556660	7.86%	0.471%
99	21.104	3222	3233	3235	rBV	9690968	21526533	16.03%	0.960%
100	22.851	3522	3530	3536	rVB2	3617419	9014551	6.71%	0.402%

Sum of corrected areas: 2241687723

LSC Report - Integrated Chromatogram

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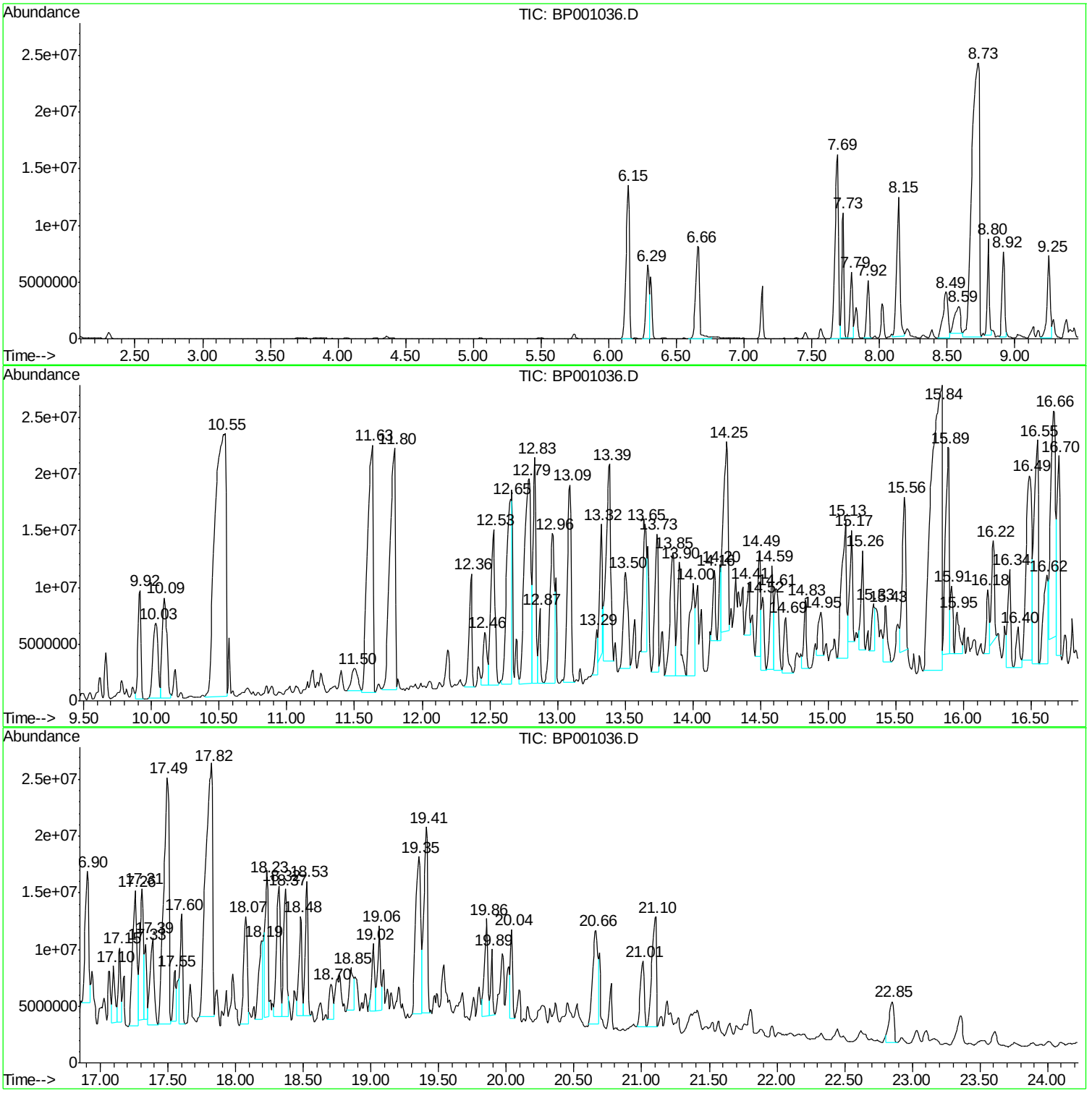
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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 P\DATA\BP111119\
Data File : BP001036.D
Acq On : 12 Nov 2019 01:08
Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

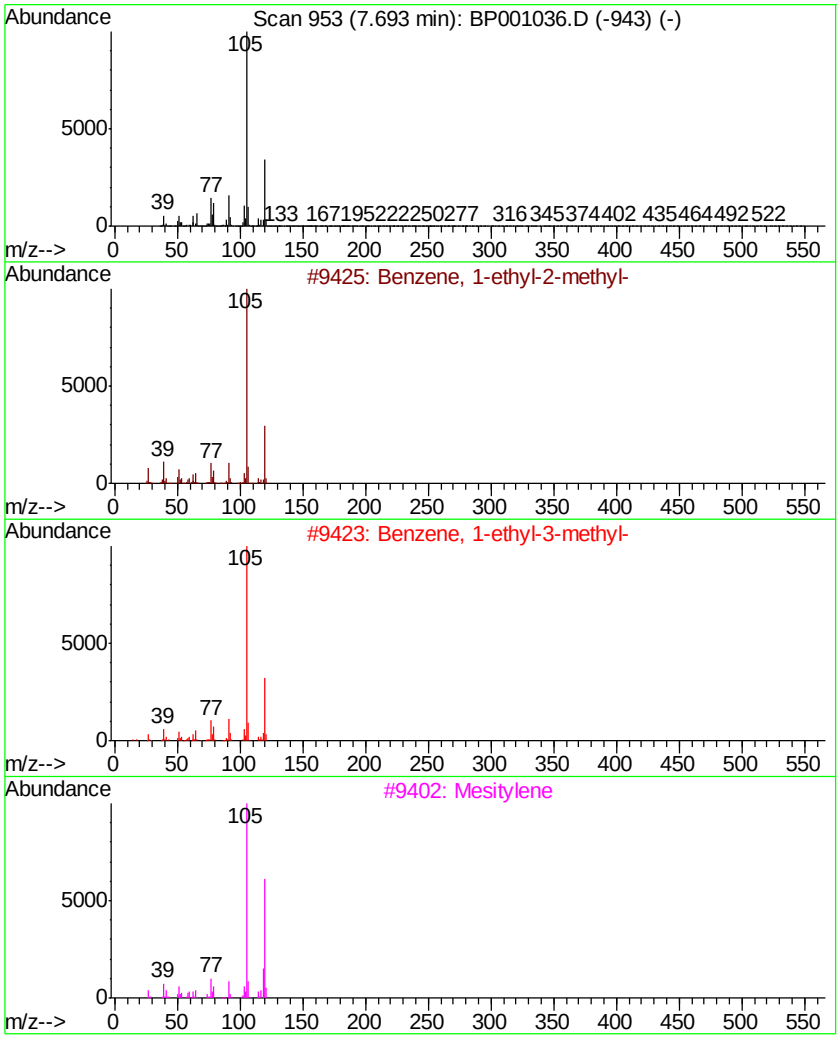
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

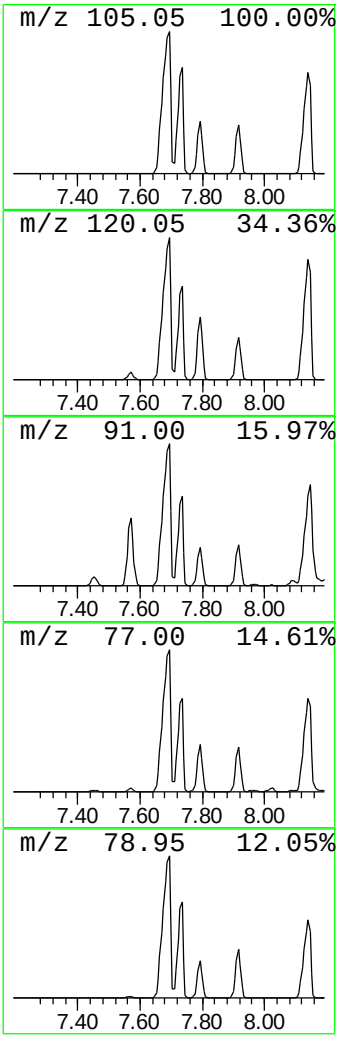
****

Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	55.67 ng	29036200	1,4-Dichlorobenzene-d4	8.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Library Search Compound Report

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

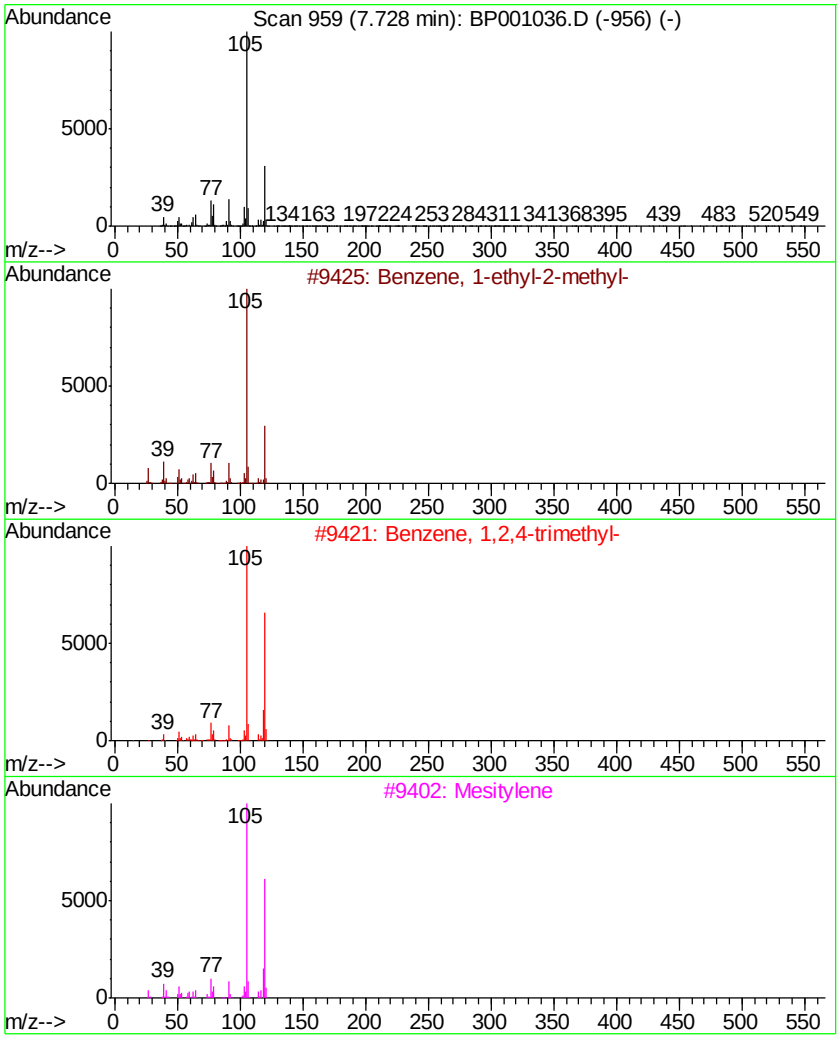
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

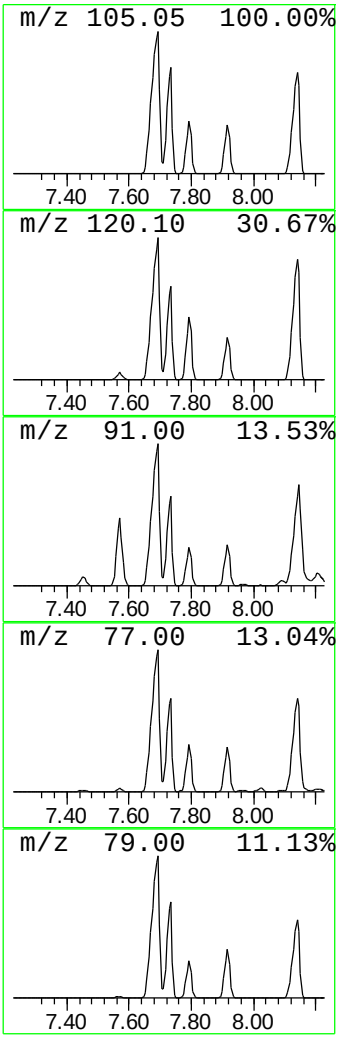
****

Peak Number 4 Benzene, 1,2,4-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	24.67 ng	12868500	1,4-Dichlorobenzene-d4	8.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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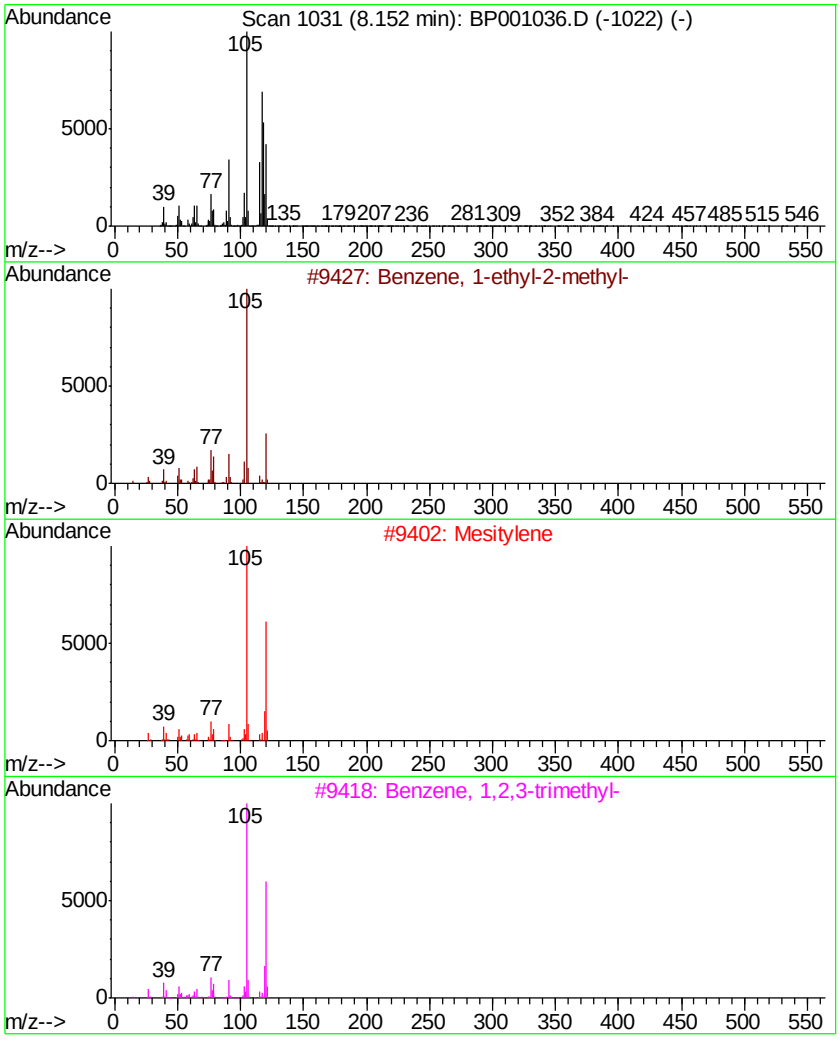
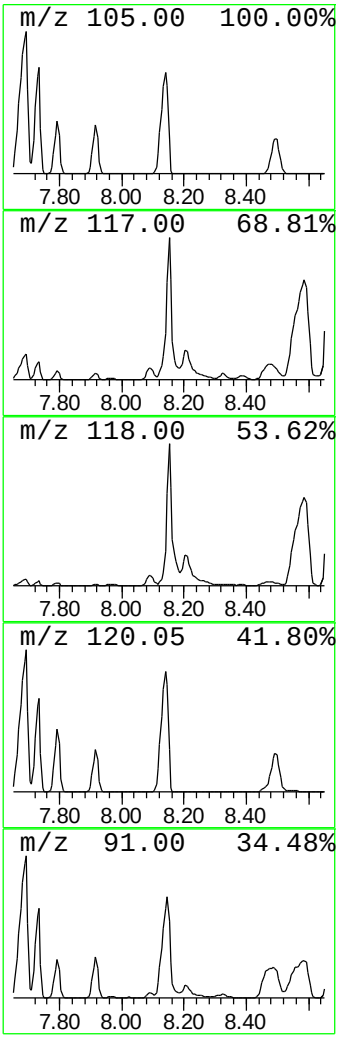
Peak Number 5 Mesitylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	42.34 ng	22081800	1,4-Dichlorobenzene-d4	8.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2	Mesitylene	120	C9H12	000108-67-8	76
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	76
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	72
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

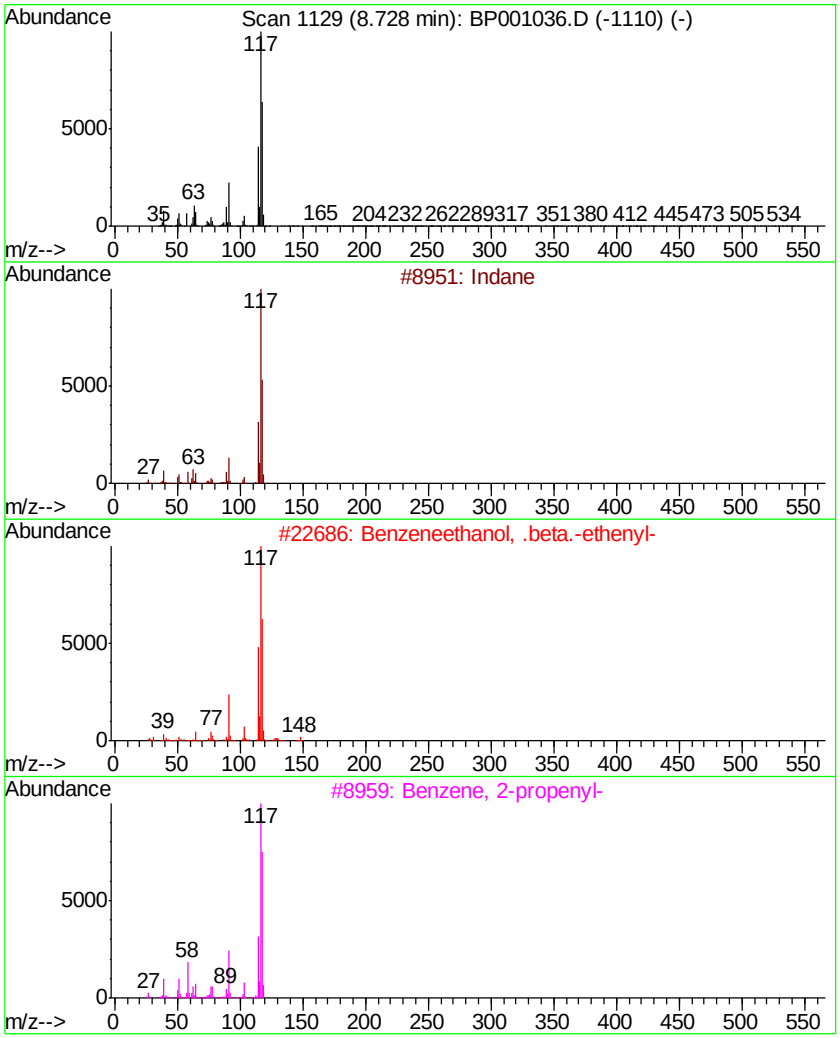
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

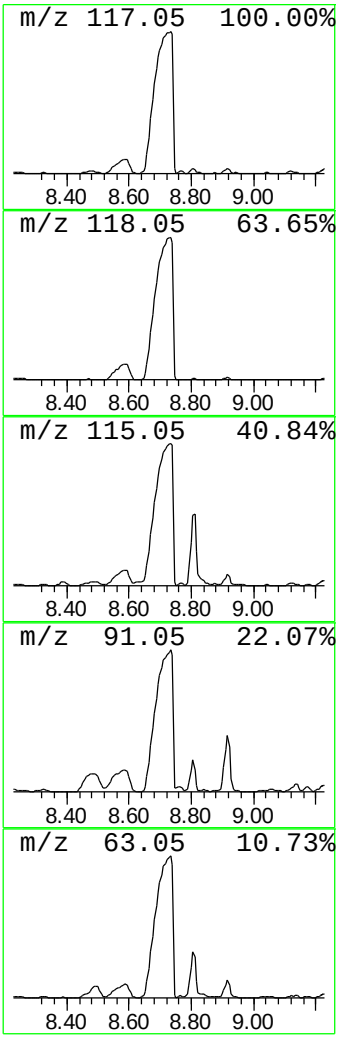
****

Peak Number 6 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	181.04 ng	94425700	1,4-Dichlorobenzene-d4	8.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	78
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001036.D
Acq On : 12 Nov 2019 01:08
Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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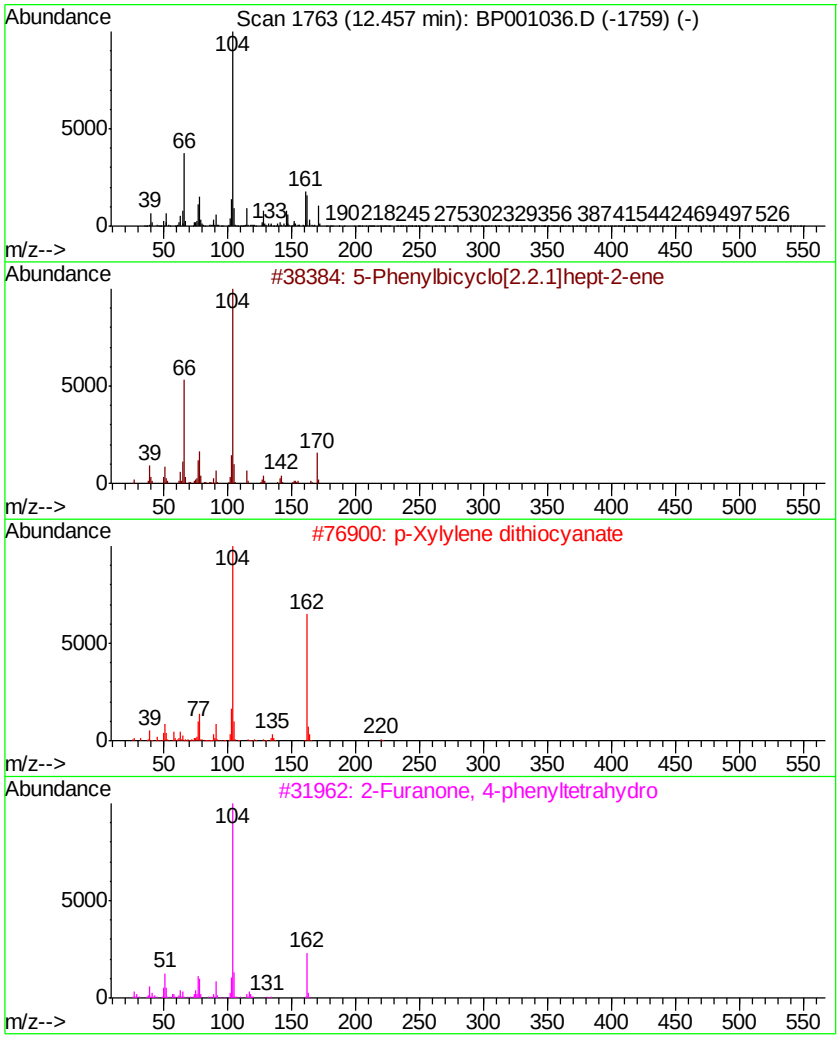
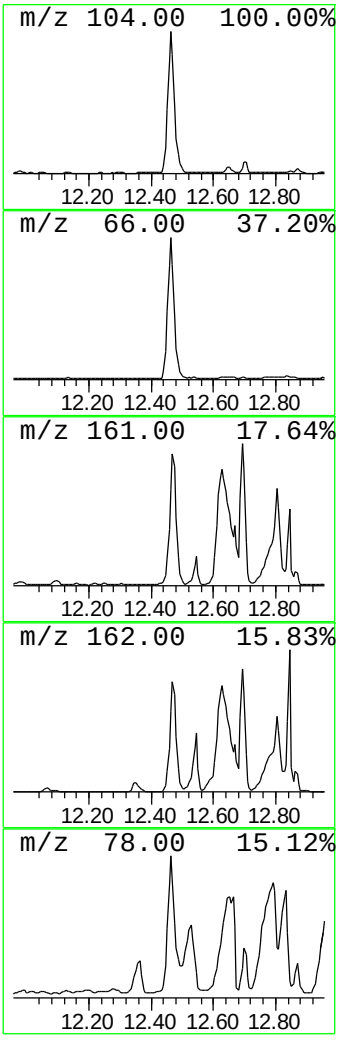
Peak Number 7 5-Phenylbicyclo[2.2.1]hept-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	28.76 ng	8595490	Acenaphthene-d10	13.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Phenylbicyclo[2.2.1]hept-2-ene	170	C13H14	006143-30-2	89
2	p-Xylylene dithiocyanate	220	C10H8N2S2	001014-99-9	46
3	2-Furanone, 4-phenyltetrahydro	162	C10H10O2	1000197-38-4	35
4	2-Pyrrolidinone, 4-phenyl-	161	C10H11NO	001198-97-6	35
5	2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001036.D
Acq On : 12 Nov 2019 01:08
Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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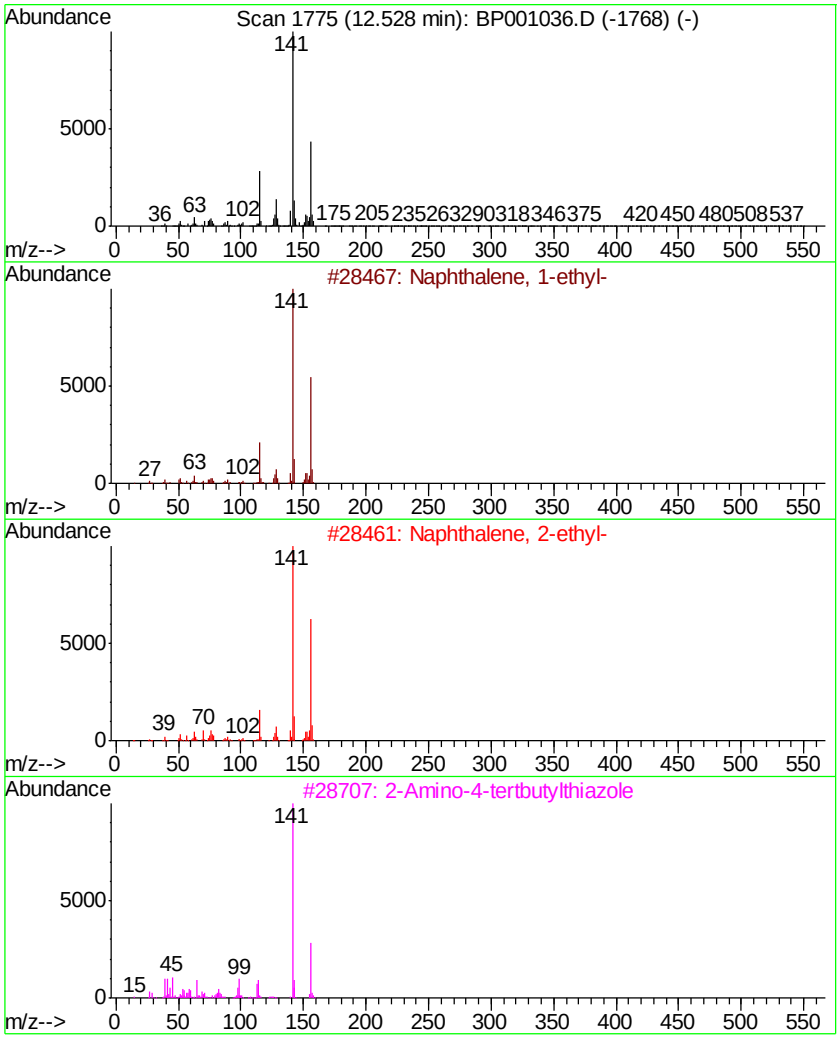
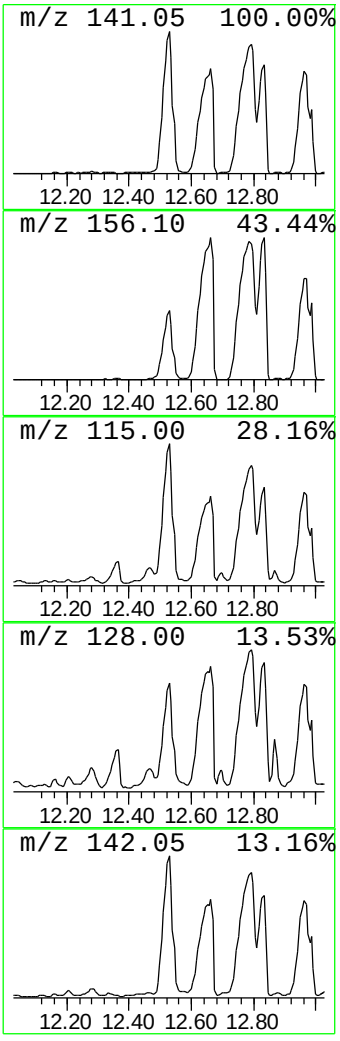
Peak Number 8 Naphthalene, 1-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	99.47 ng	29726700	Acenaphthene-d10	13.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59
4	2',5'-Difluoroacetophenone	156	C8H6F2O	001979-36-8	53
5	Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	53





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Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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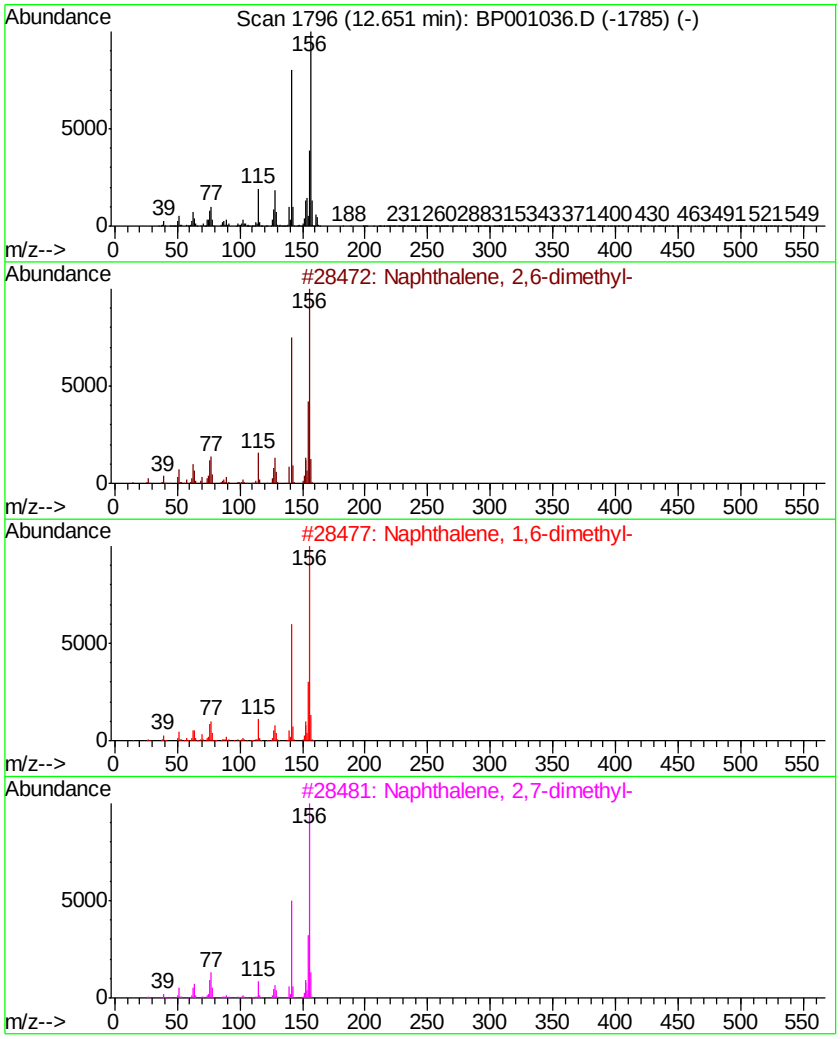
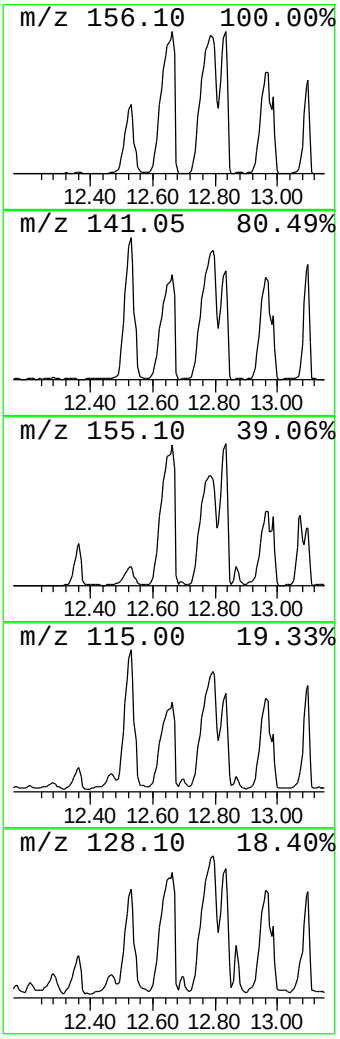
Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	133.40 ng	39867000	Acenaphthene-d10	13.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

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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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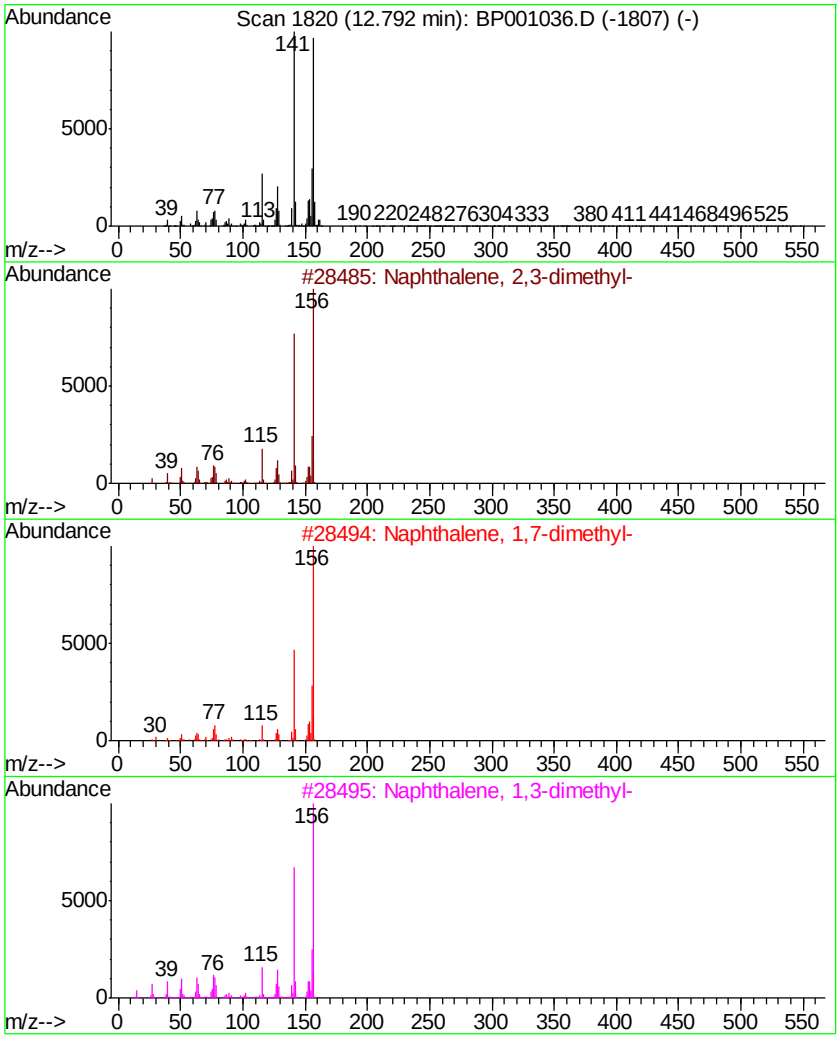
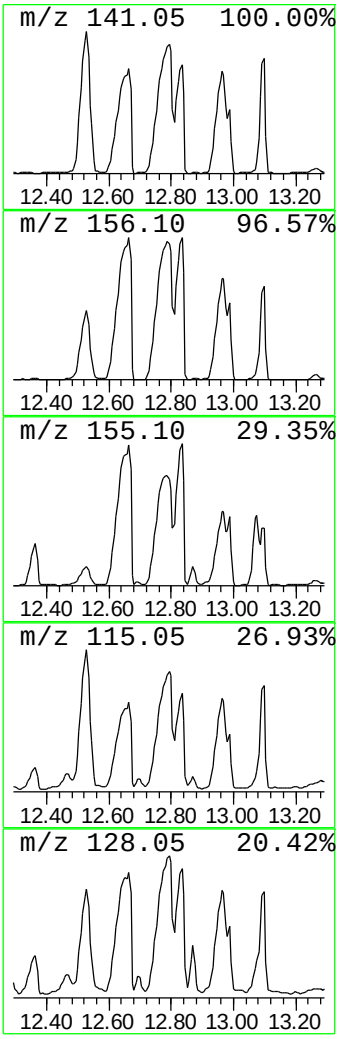
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	203.87 ng	60927200	Acenaphthene-d10	13.29

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





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Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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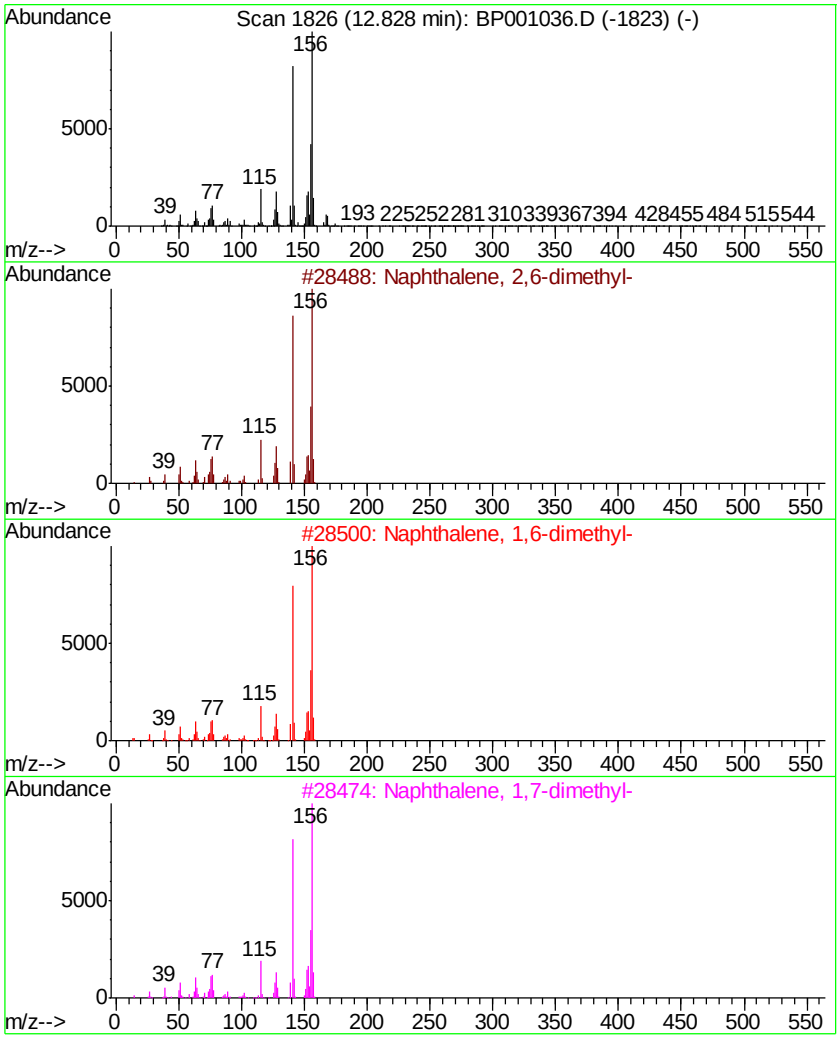
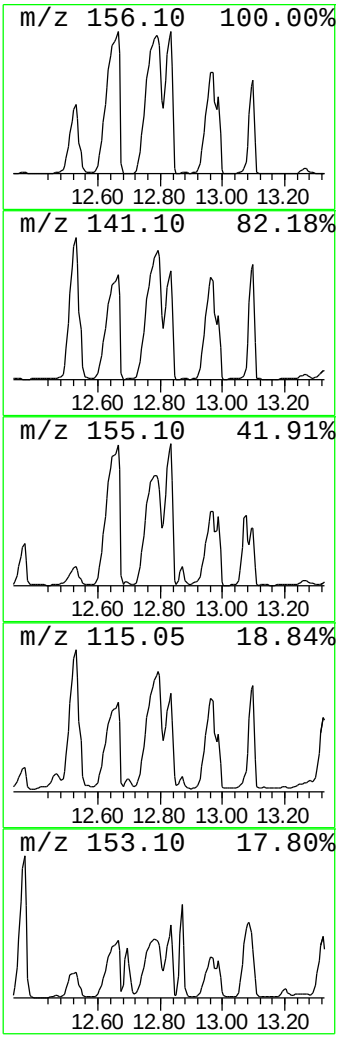
Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	100.96 ng	30170900	Acenaphthene-d10	13.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

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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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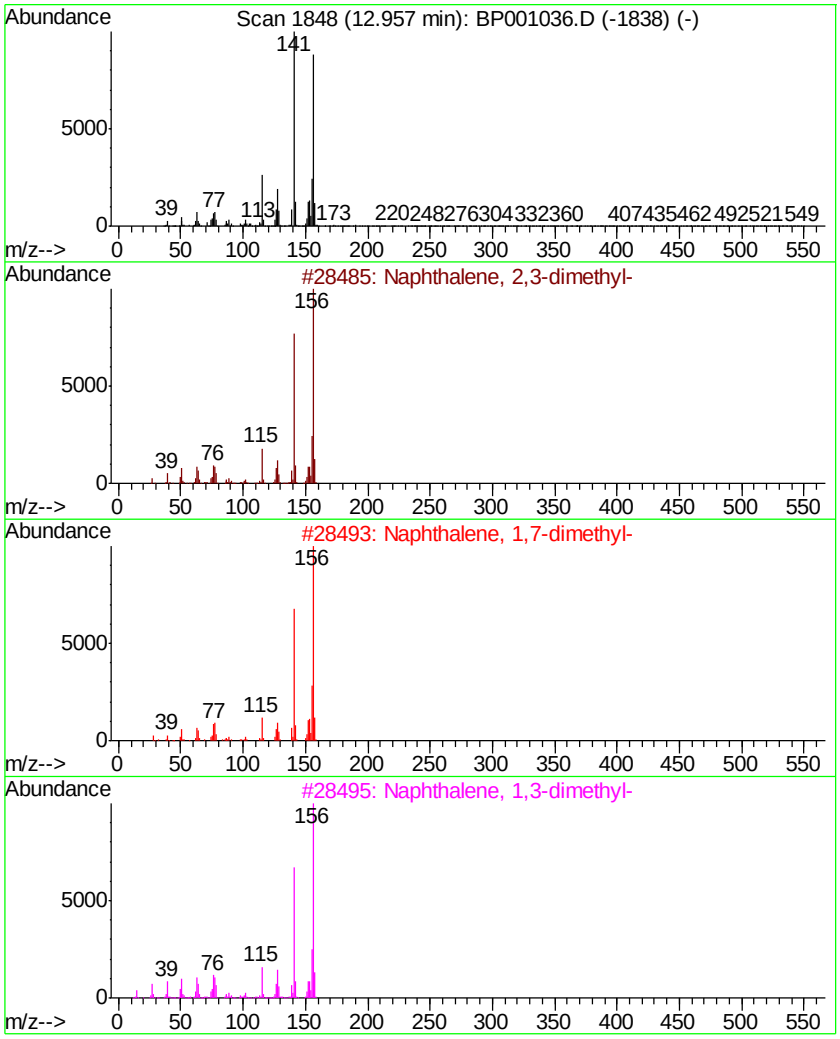
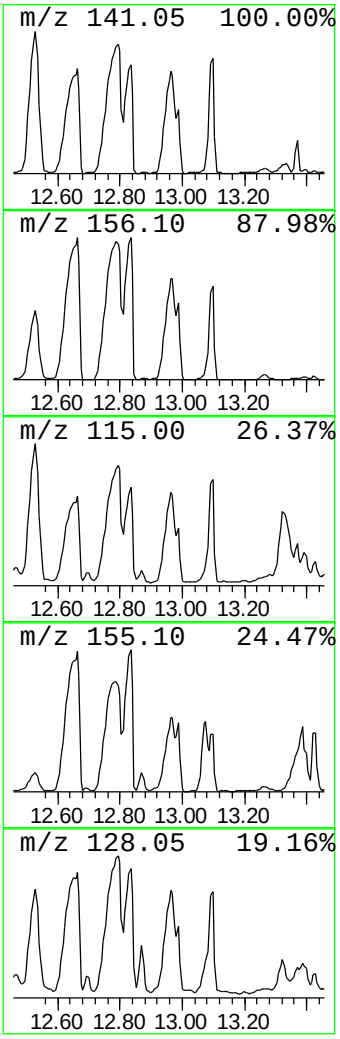
Peak Number 12 Naphthalene, 1,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	105.23 ng	31448300	Acenaphthene-d10	13.29

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





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Acq On : 12 Nov 2019 01:08
Operator : JU
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
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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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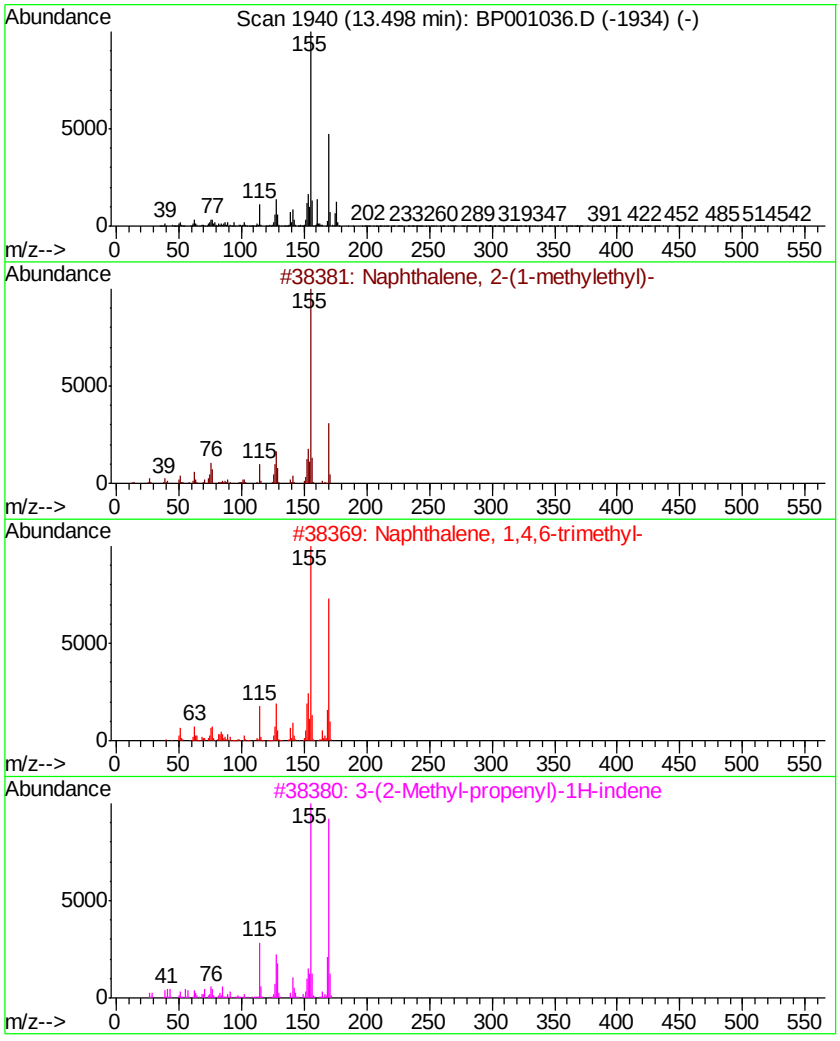
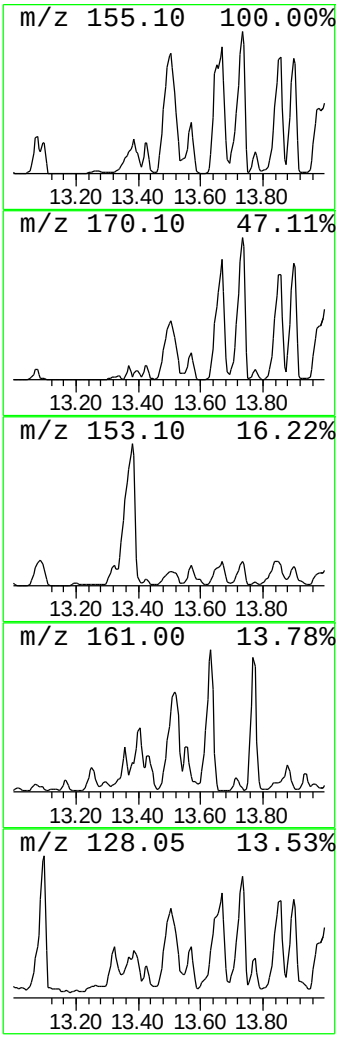
Peak Number 13 Naphthalene, 2-(1-methyleth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	66.11 ng	19757900	Acenaphthene-d10	13.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	78
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	64





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Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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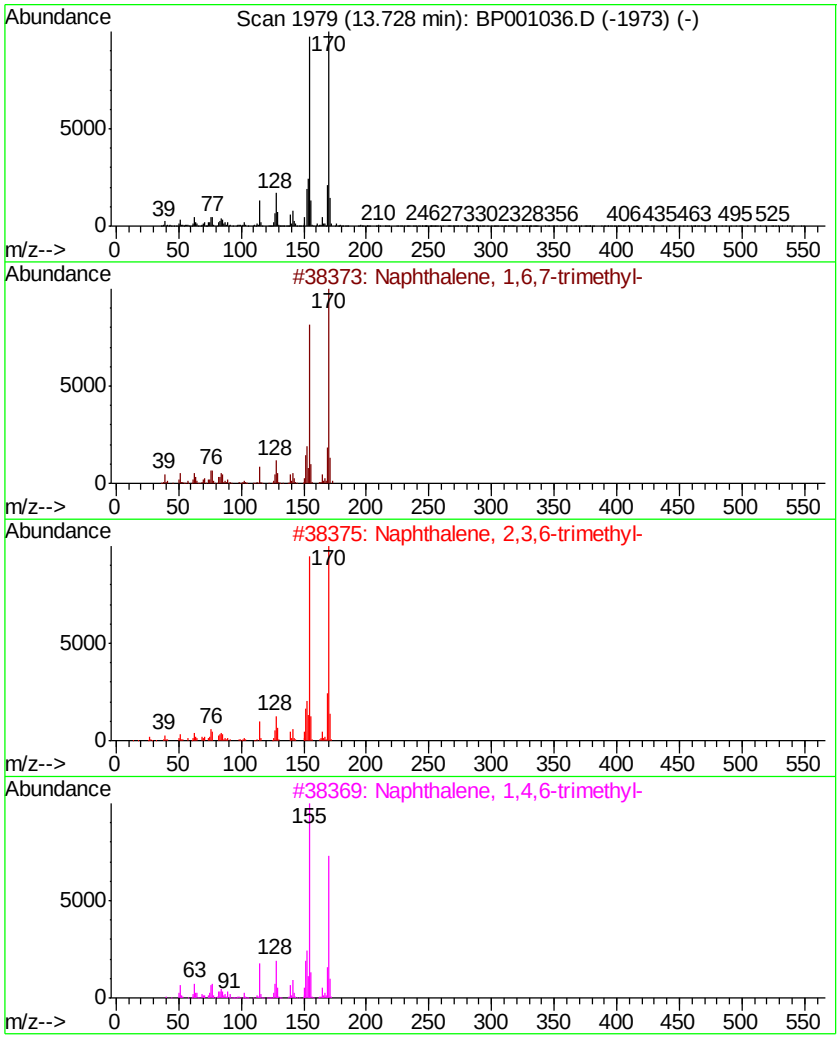
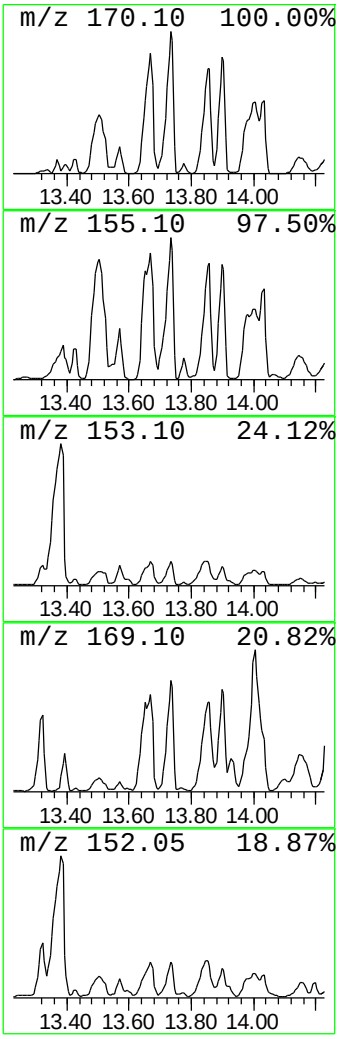
Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	64.19 ng	19182200	Acenaphthene-d10	13.29

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	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
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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Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

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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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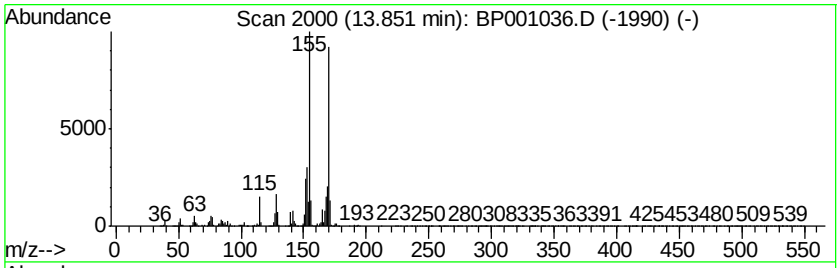
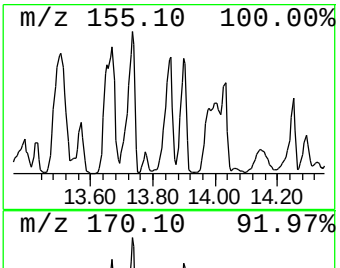
Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	83.31 ng	24895900	Acenaphthene-d10	13.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	98
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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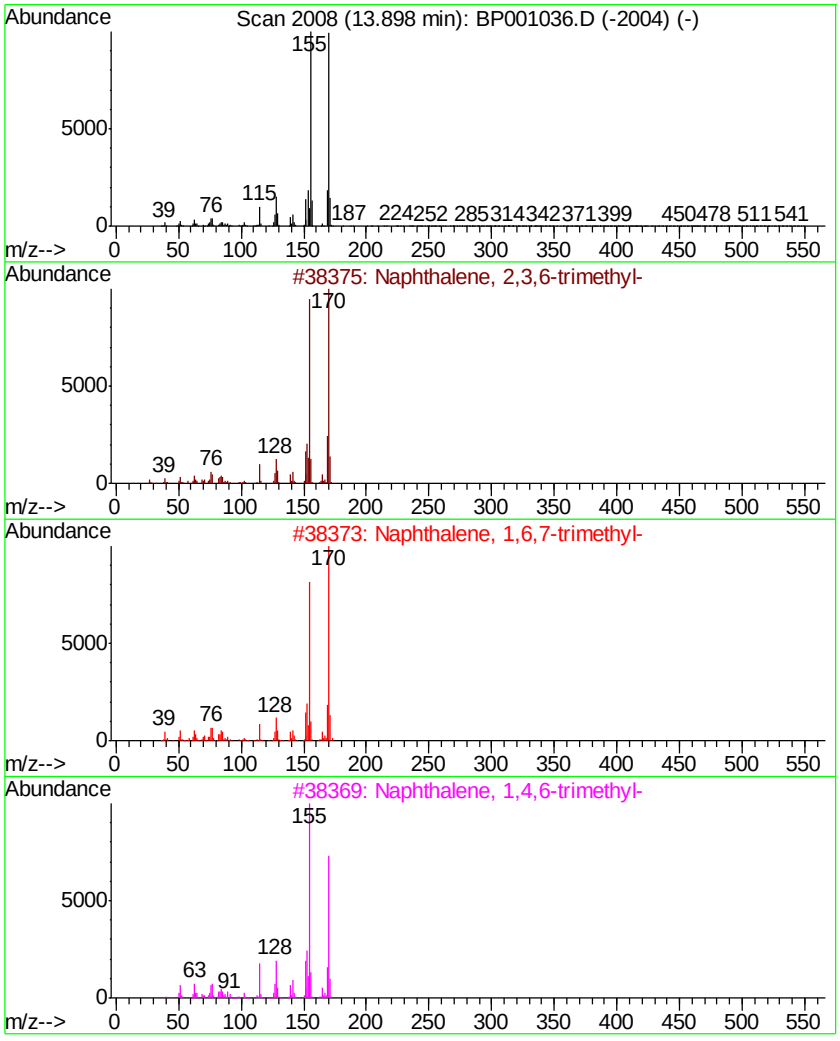
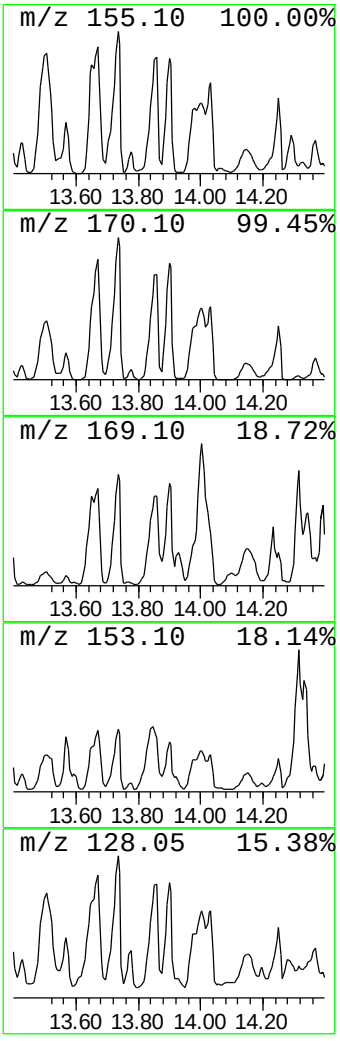
Peak Number 16 Naphthalene, 1,4,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	54.77 ng	16369200	Acenaphthene-d10	13.29

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, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	86





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

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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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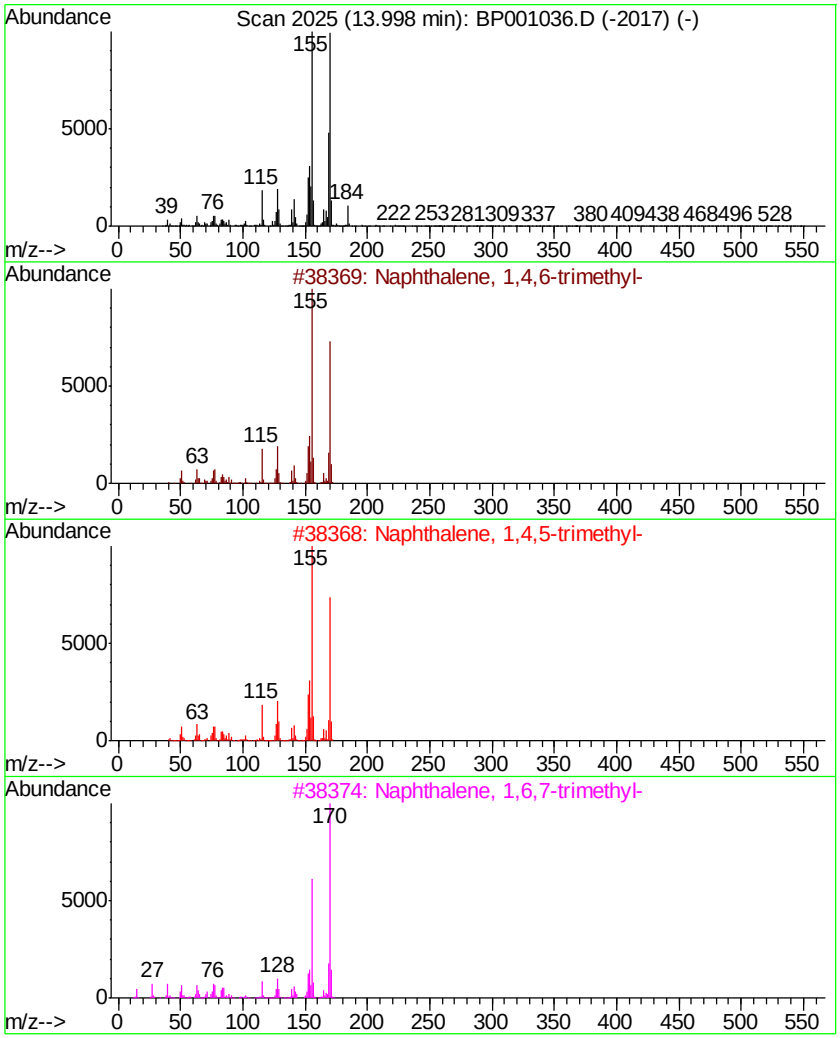
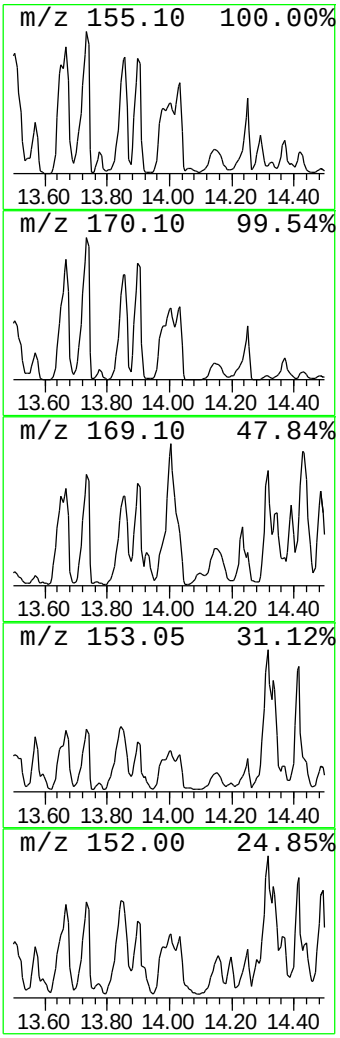
Peak Number 17 Naphthalene, 1,4,5-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	70.49 ng	21065200	Acenaphthene-d10	13.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	81
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

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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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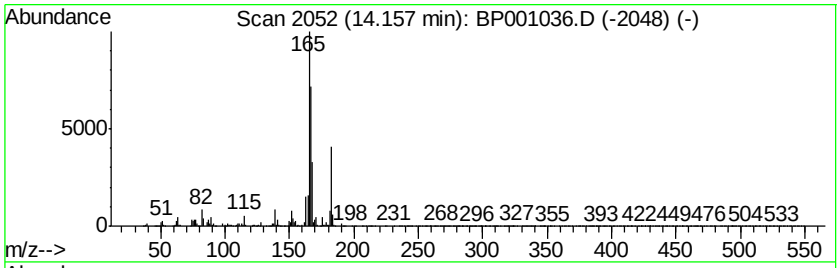
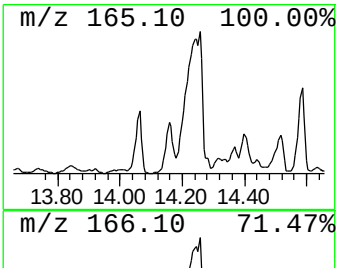
Peak Number 18 unknown14.16 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	27.75 ng	8293870	Acenaphthene-d10	13.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	47
2	Fluorene	166	C13H10	000086-73-7	41
3	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	40
4	3,4-Dimethoxy-benzoic acid (1-bi...	374	C23H22N2O3	1000294-73-7	35
5	3-(2,5-Dimethyl-3-thienyl)acryla...	181	C9H11NOS	257946-39-7	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001036.D
Acq On : 12 Nov 2019 01:08
Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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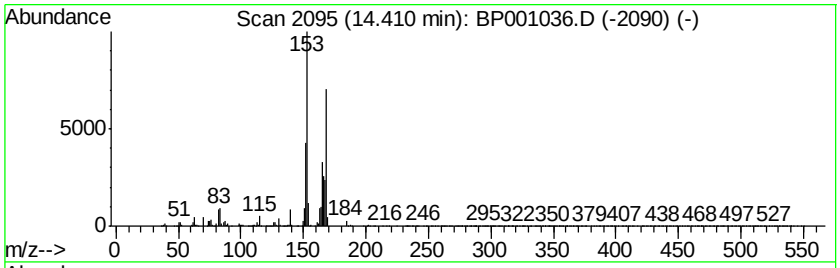
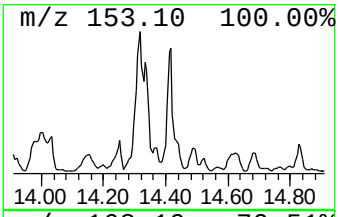
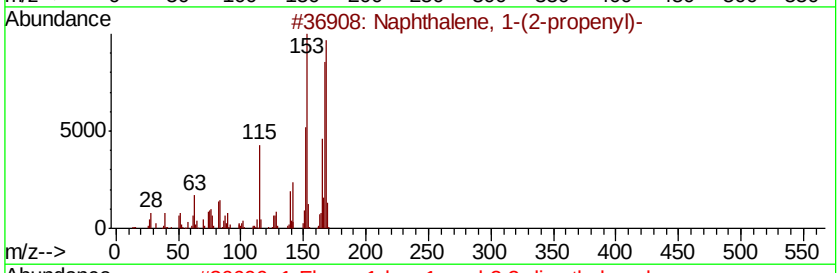
Peak Number 19 unknown14.41 Concentration Rank 20

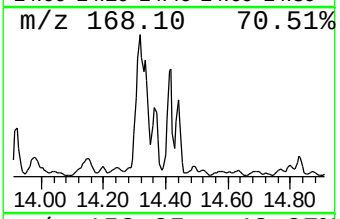
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	23.84 ng	7124690	Acenaphthene-d10	13.29

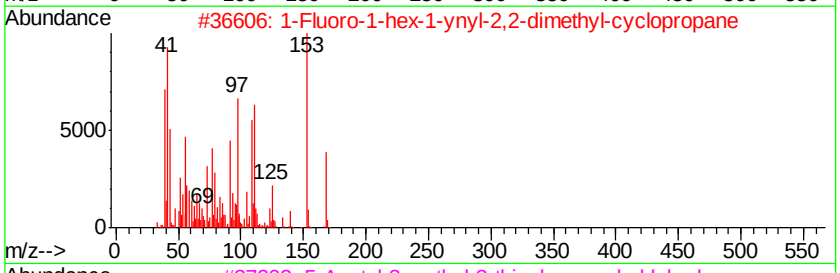
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
2	1-Fluoro-1-hex-1-ynyl-2,2-dimeth...	168	C11H17F	1000300-49-2	38
3	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	38
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	38
5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	32

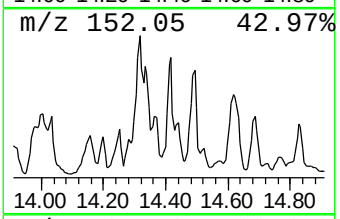


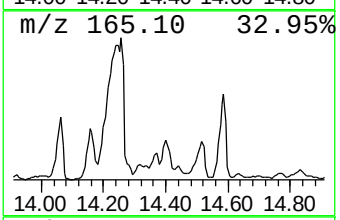


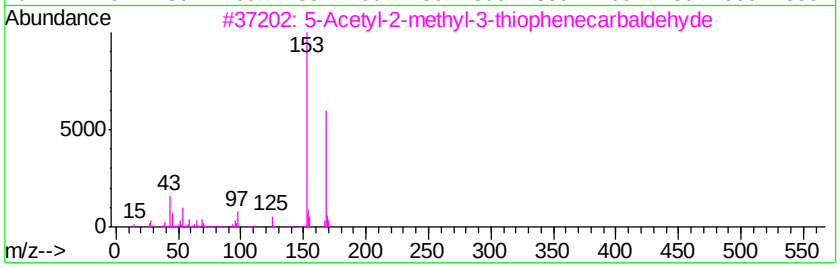


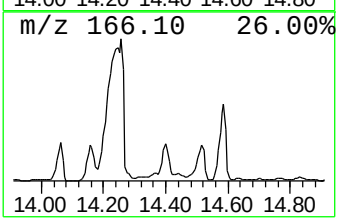












Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001036.D
Acq On : 12 Nov 2019 01:08
Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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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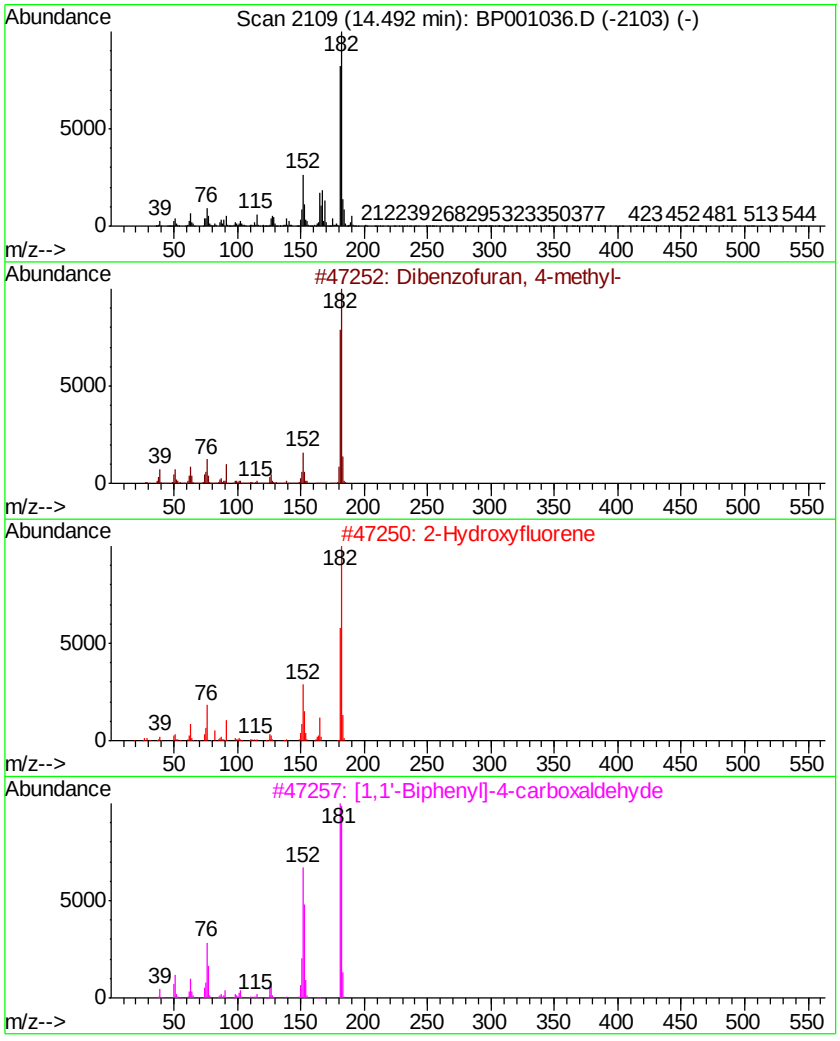
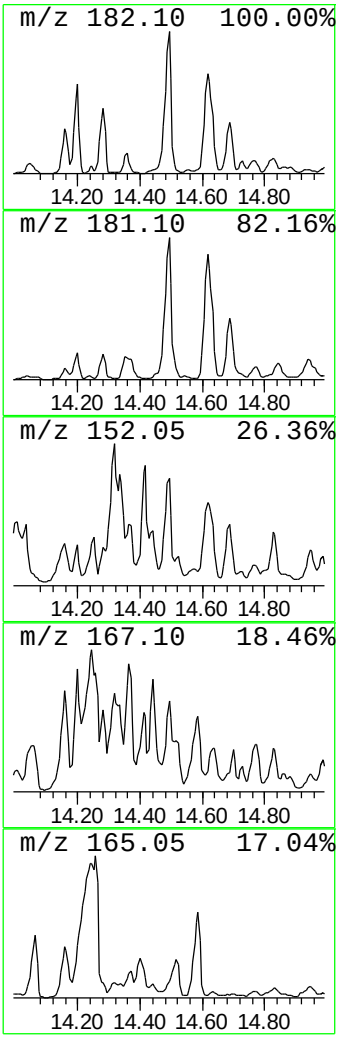
Peak Number 20 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	47.33 ng	14145100	Acenaphthene-d10	13.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
2	2-Hydroxyfluorene	182	C13H10O	002443-58-5	70
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	68
4	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	59
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP111119\
Data File : BP001036.D
Acq On : 12 Nov 2019 01:08
Operator : JU
Sample : K5777-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : AOC-7-MIDDLE-(10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110619.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
Benzene, 1-ethyl-...	7.69	55.7	ng	29036200	1	8.39	10431600	20.0
Benzene, 1,2,4-tr...	7.73	24.7	ng	12868500	1	8.39	10431600	20.0
Mesitylene	8.15	42.3	ng	22081800	1	8.39	10431600	20.0
Indane	8.73	181.0	ng	94425700	1	8.39	10431600	20.0
5-Phenylbicyclo[2...	12.46	28.8	ng	8595490	3	13.29	5976980	20.0
Naphthalene, 1-et...	12.53	99.5	ng	29726700	3	13.29	5976980	20.0
Naphthalene, 2,6-...	12.65	133.4	ng	39867000	3	13.29	5976980	20.0
Naphthalene, 2,3-...	12.79	203.9	ng	60927200	3	13.29	5976980	20.0
Naphthalene, 1,6-...	12.83	101.0	ng	30170900	3	13.29	5976980	20.0
Naphthalene, 1,7-...	12.96	105.2	ng	31448300	3	13.29	5976980	20.0
Naphthalene, 2-(1...	13.50	66.1	ng	19757900	3	13.29	5976980	20.0
Naphthalene, 1,6,...	13.73	64.2	ng	19182200	3	13.29	5976980	20.0
Naphthalene, 2,3,...	13.85	83.3	ng	24895900	3	13.29	5976980	20.0
Naphthalene, 1,4,...	13.90	54.8	ng	16369200	3	13.29	5976980	20.0
Naphthalene, 1,4,...	14.00	70.5	ng	21065200	3	13.29	5976980	20.0
unknown14.16	14.16	27.8	ng	8293870	3	13.29	5976980	20.0
unknown14.41	14.41	23.8	ng	7124690	3	13.29	5976980	20.0
Dibenzofuran, 4-m...	14.49	47.3	ng	14145100	3	13.29	5976980	20.0