LSC Area Percent Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083824.D
Acq On : 15 Dec 2015 17:55
Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

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:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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	3.321	100	108	111	rBV2	215020	652111	16.26%	0.462%
2	3.493	120	123	126	rVV	526258	992372	24.74%	0.702%
3	3.675	134	139	143	rVV	387839	713242	17.78%	0.505%
4	3.893	154	158	161	rVV	259505	451415	11.25%	0.320%
5	5.093	259	263	266	rBV	539526	749913	18.70%	0.531%
6	5.516	297	300	302	rVB	2229161	2393878	59.68%	1.695%
7	5.733	316	319	327	rBV	1764015	2746583	68.47%	1.944%
8	6.544	387	390	392	rVV	1990866	2579505	64.31%	1.826%
9	6.624	395	397	399	rVV	450345	619819	15.45%	0.439%
10	6.670	399	401	404	rVB	1962871	2371219	59.11%	1.679%
11	6.750	405	408	410	rBV	2642521	4011238	100.00%	2.839%
12	6.784	410	411	417	rVV	1885713	1931215	48.15%	1.367%
13	6.899	420	421	423	rVB	473568	547104	13.64%	0.387%
14	7.059	433	435	437	rBV	1796438	1827002	45.55%	1.293%
15	7.173	442	445	448	rBV	2055268	2482599	61.89%	1.757%
16	7.413	464	466	468	rBV2	641407	605625	15.10%	0.429%
17	7.470	468	471	474	rVB2	1506357	2665899	66.46%	1.887%
18	7.527	474	476	478	rBV	1163506	1662753	41.45%	1.177%
19	7.573	478	480	482	rVB	1027645	947587	23.62%	0.671%
20	7.676	487	489	491	rBV	516151	689958	17.20%	0.488%
21	7.767	494	497	502	rVB2	2302722	3295698	82.16%	2.333%
22	7.950	509	513	514	rBV	1789590	2491130	62.10%	1.763%
23	7.996	514	517	518	rVV	2531295	2755349	68.69%	1.950%
24	8.064	521	523	525	rVB3	383506	497816	12.41%	0.352%
25	8.190	531	534	535	rBV	833763	773940	19.29%	0.548%
26	8.407	551	553	557	rBV	1892356	2376763	59.25%	1.682%
27	8.476	557	559	561	rBV	2629409	3274370	81.63%	2.318%
28	8.647	570	574	577	rBV	625197	1220039	30.42%	0.864%
29	8.704	577	579	581	rVB2	427638	665910	16.60%	0.471%
30	8.899	594	596	599	rVB2	1704102	2040515	50.87%	1.444%
31	8.967	599	602	604	rBV	1158405	1095222	27.30%	0.775%
32	9.002	604	605	607	rVB2	883376	909482	22.67%	0.644%
33	9.082	609	612	615	rBV2	711340	1115206	27.80%	0.789%
34	9.184	619	621	623	rVB	903041	1079085	26.90%	0.764%

LSC Area Percent Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083824.D
Acq On : 15 Dec 2015 17:55
Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

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:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.242	623	626	627	rBV3	396057	665702	16.60%	0.471%
36	9.265	627	628	631	rVB	2256986	2802159	69.86%	1.984%
37	9.390	638	639	641	rBV2	601475	700633	17.47%	0.496%
38	9.482	644	647	648	rVB2	421180	604243	15.06%	0.428%
39	9.505	648	649	651	rBV	313448	554594	13.83%	0.393%
40	9.562	651	654	656	rVB3	547746	1034397	25.79%	0.732%
41	9.665	659	663	665	rVB4	771573	1186079	29.57%	0.840%
42	9.745	665	670	674	rBV4	651556	1641760	40.93%	1.162%
43	9.802	674	675	677	rVB	1050820	1308893	32.63%	0.927%
44	9.882	681	682	684	rBV2	357841	474045	11.82%	0.336%
45	9.950	686	688	689	rBV	555762	658343	16.41%	0.466%
46	10.145	703	705	707	rVB	431334	595278	14.84%	0.421%
47	10.282	713	717	720	rBV2	737642	1787329	44.56%	1.265%
48	10.350	720	723	726	rBV3	342308	831539	20.73%	0.589%
49	10.442	729	731	734	rBV2	521738	889955	22.19%	0.630%
50	10.556	738	741	744	rBV3	310731	756439	18.86%	0.535%
51	10.602	744	745	747	rVB2	502862	491269	12.25%	0.348%
52	10.739	754	757	758	rVB3	1377412	1900638	47.38%	1.345%
53	10.853	765	767	770	rBV2	468382	750850	18.72%	0.532%
54	10.956	773	776	779	rBV2	347048	743777	18.54%	0.527%
55	11.036	781	783	789	rBV4	563405	1221807	30.46%	0.865%
56	11.128	789	791	792	rVB	568870	563671	14.05%	0.399%
57	11.196	792	797	798	rBV3	314893	745141	18.58%	0.527%
58	11.368	810	812	814	rVB	1569832	1504373	37.50%	1.065%
59	11.425	815	817	819	rBV	491467	957612	23.87%	0.678%
60	11.505	822	824	826	rVB	1184247	946911	23.61%	0.670%
61	11.550	826	828	834	rBV2	1482328	3003096	74.87%	2.126%
62	11.676	837	839	841	rBV	2254904	2384738	59.45%	1.688%
63	11.733	842	844	845	rBV	1046304	869432	21.67%	0.615%
64	11.790	848	849	851	rVB	1354308	1009899	25.18%	0.715%
65	11.848	851	854	855	rVB	2106180	2240377	55.85%	1.586%
66	11.950	860	863	866	rBV2	2135818	3638747	90.71%	2.576%
67	12.008	866	868	870	rBV2	1071458	1458987	36.37%	1.033%
68	12.053	870	872	876	rBV4	1487707	2854698	71.17%	2.021%
69	12.111	876	877	879	rVB	1345879	1009811	25.17%	0.715%
70	12.168	879	882	883	rBV3	343674	630843	15.73%	0.447%
71	12.202	883	885	892	rVB2	1221285	3121269	77.81%	2.209%

LSC Area Percent Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083824.D
Acq On : 15 Dec 2015 17:55
Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

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:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.305	892	894	895	rBV2	381466	645621	16.10%	0.457%
73	12.339	895	897	898	rVB2	584222	481020	11.99%	0.341%
74	12.431	903	905	907	rVB2	691019	1065038	26.55%	0.754%
75	12.499	907	911	912	rBV2	1229173	2544080	63.42%	1.801%
76	12.522	912	913	917	rVB2	976913	1518773	37.86%	1.075%
77	12.579	917	918	923	rVB4	1002274	1650060	41.14%	1.168%
78	12.659	923	925	929	rBV	2228330	2770975	69.08%	1.962%
79	12.888	942	945	947	rVB	2634701	3624758	90.37%	2.566%
80	12.933	947	949	951	rVB2	371546	520511	12.98%	0.368%
81	13.025	955	957	960	rVB	1467510	2276817	56.76%	1.612%
82	13.093	961	963	967	rVB2	766566	1192462	29.73%	0.844%
83	13.208	969	973	975	rVB	1332282	2051964	51.16%	1.453%
84	13.276	975	979	980	rBV	813846	1215727	30.31%	0.861%
85	13.311	980	982	984	rVV	1027689	919759	22.93%	0.651%
86	13.402	988	990	991	rBV	832062	707127	17.63%	0.501%
87	13.436	991	993	994	rVB	617687	688534	17.17%	0.487%
88	13.608	1006	1008	1013	rVB3	354510	777613	19.39%	0.550%
89	13.688	1013	1015	1016	rBV2	290811	476772	11.89%	0.337%
90	13.814	1024	1026	1028	rBV3	282793	614527	15.32%	0.435%
91	14.065	1045	1048	1050	rBV2	1737334	3032751	75.61%	2.147%
92	14.099	1050	1051	1055	rVV	1775069	1652858	41.21%	1.170%
93	14.214	1059	1061	1066	rVB4	265004	646485	16.12%	0.458%
94	14.454	1080	1082	1084	rVV	880801	1319752	32.90%	0.934%
95	14.488	1084	1085	1087	rVV	683581	655623	16.34%	0.464%
96	14.545	1087	1090	1092	rVV3	361721	920128	22.94%	0.651%
97	14.579	1092	1093	1097	rVV2	453519	769501	19.18%	0.545%
98	15.105	1135	1139	1142	rBV	540761	1225978	30.56%	0.868%
99	15.391	1162	1164	1167	rVB	478143	584867	14.58%	0.414%
100	15.459	1167	1170	1172	rVB	600324	947172	23.61%	0.670%

Sum of corrected areas: 141268149

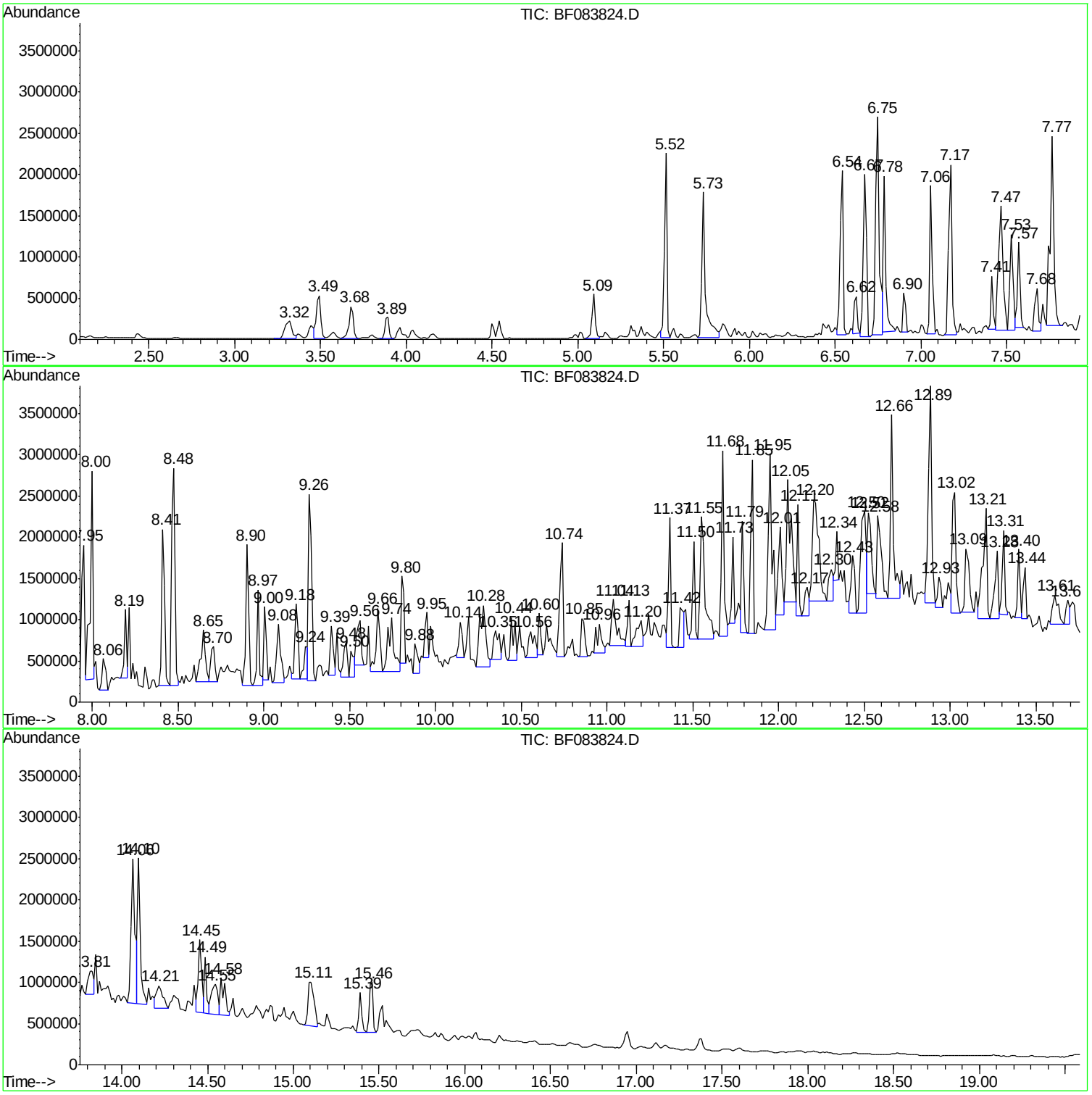
LSC Report - Integrated Chromatogram

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083824.D
Acq On : 15 Dec 2015 17:55
Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083824.D
Acq On : 15 Dec 2015 17:55
Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

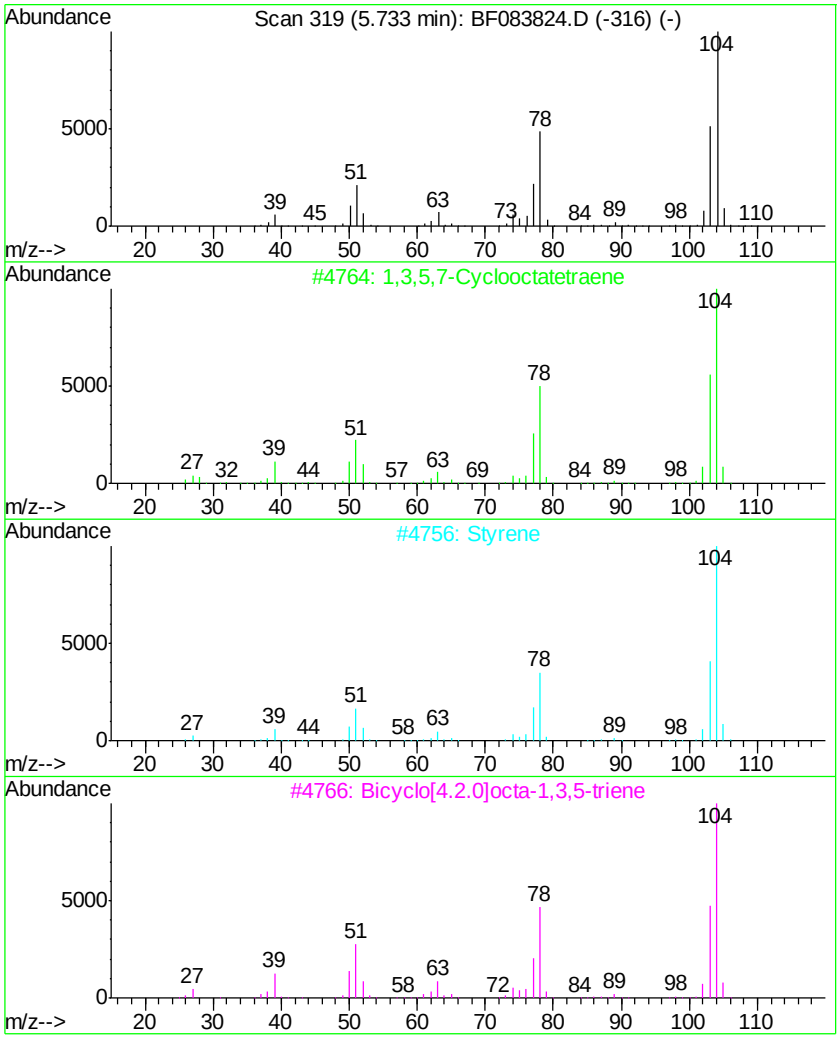
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

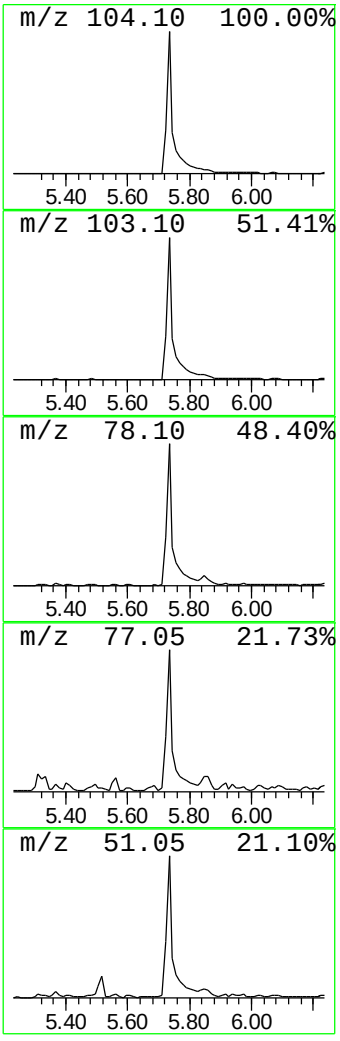
****

Peak Number 1 1,3,5,7-Cyclooctatetraene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	100.40 ng	2746580	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	97
2	Styrene	104	C8H8	000100-42-5	97
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	94
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	72
5	4-Pyridinecarbonitrile	104	C6H4N2	000100-48-1	23





Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083824.D
Acq On : 15 Dec 2015 17:55
Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

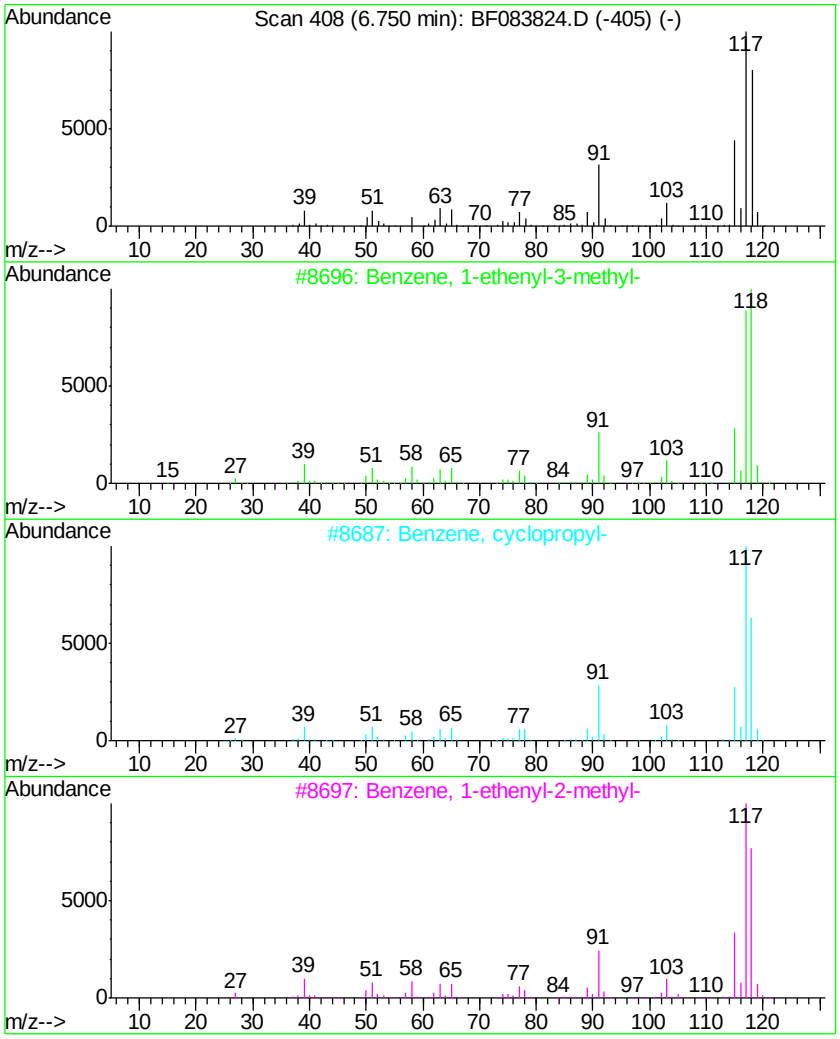
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

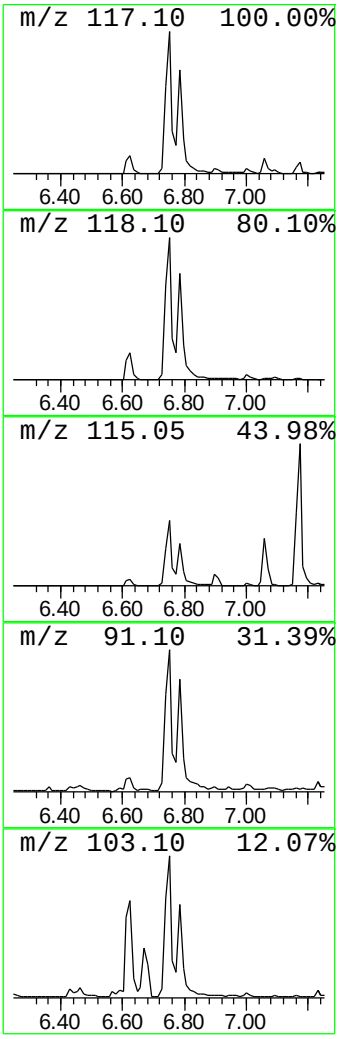
****

Peak Number 3 Benzene, 1-ethenyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	146.64 ng	4011240	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91





Library Search Compound Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083824.D
Acq On : 15 Dec 2015 17:55
Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

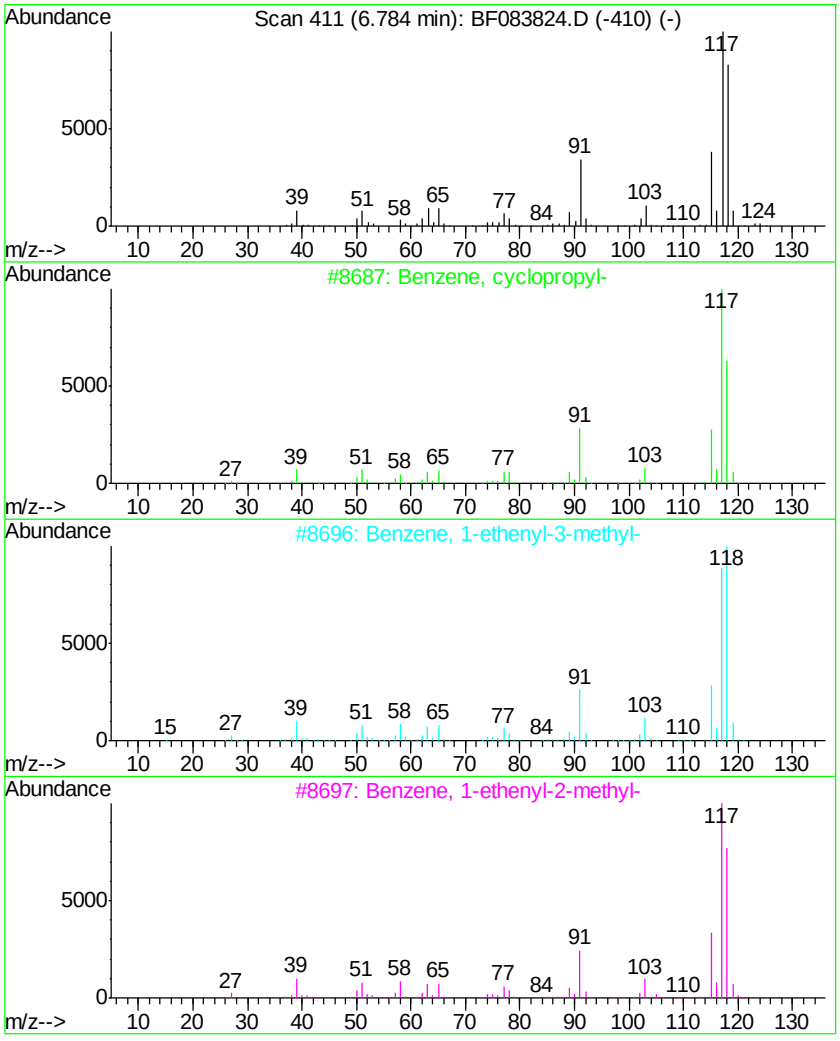
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

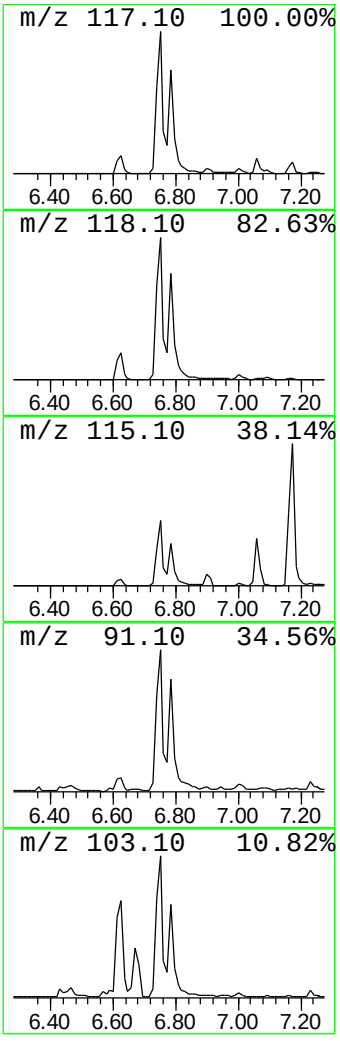
****

Peak Number 4 Benzene, cyclopropyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	70.60 ng	1931220	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	90





Library Search Compound Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083824.D
Acq On : 15 Dec 2015 17:55
Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

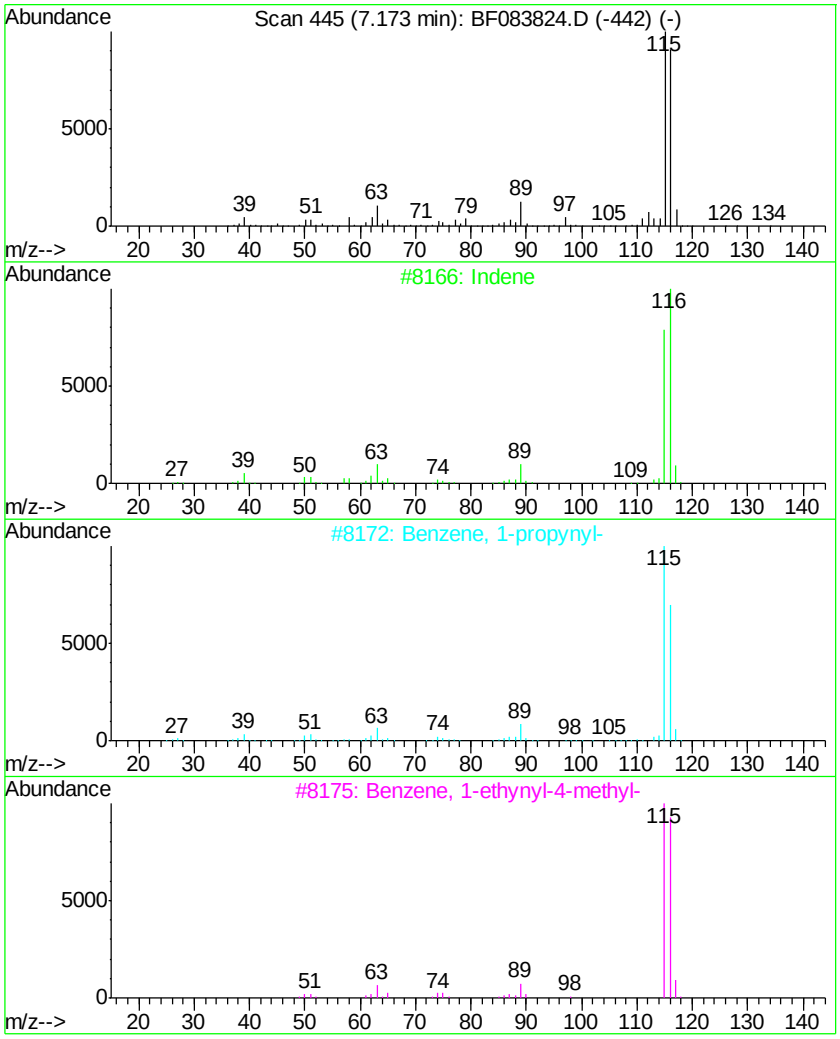
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

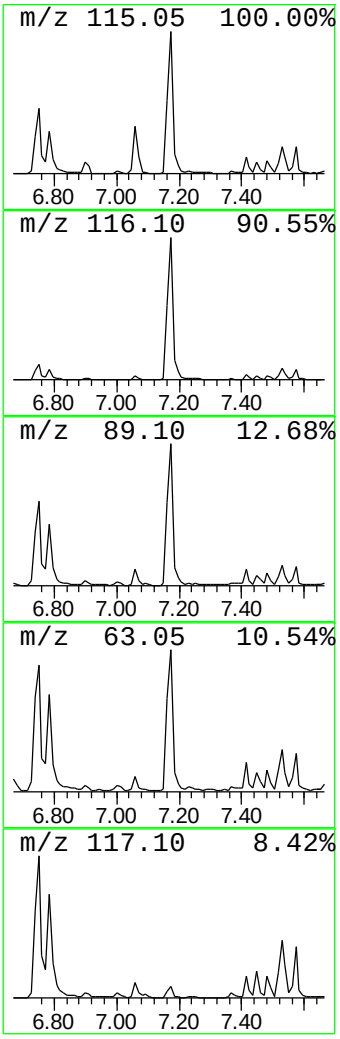
****

Peak Number 6 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	90.75 ng	2482600	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	87
4	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	86
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	78





Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
Data File : BF083824.D
Acq On : 15 Dec 2015 17:55
Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

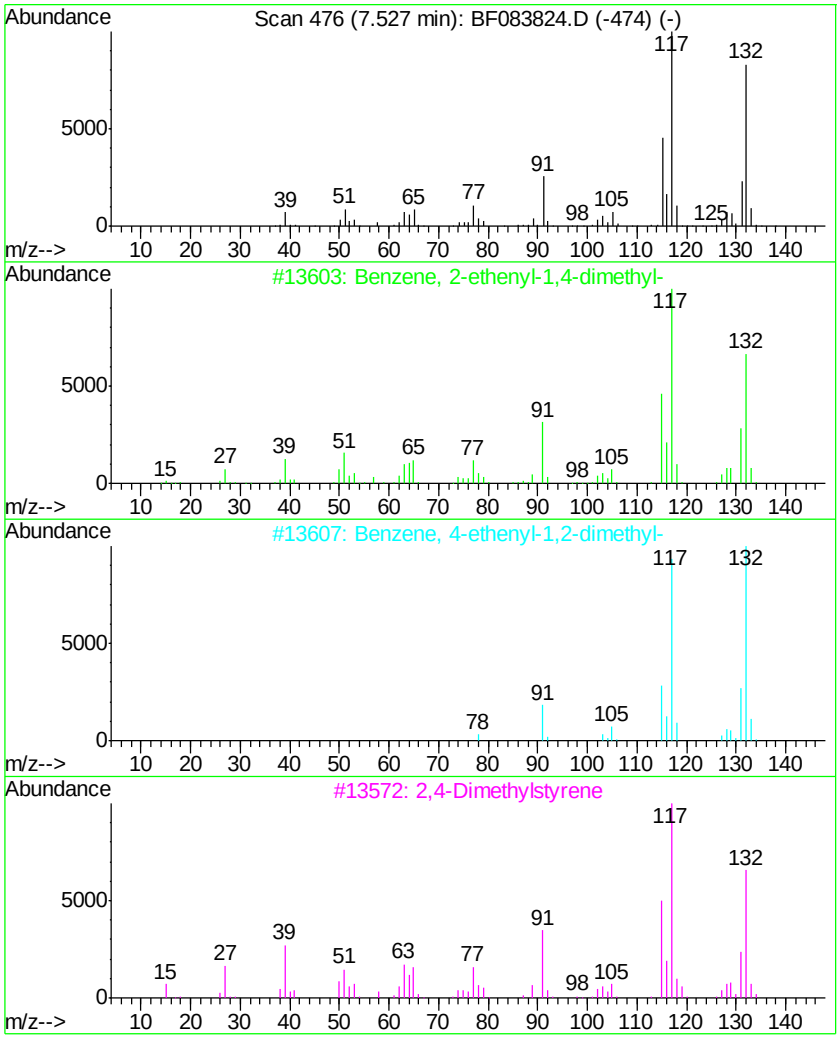
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

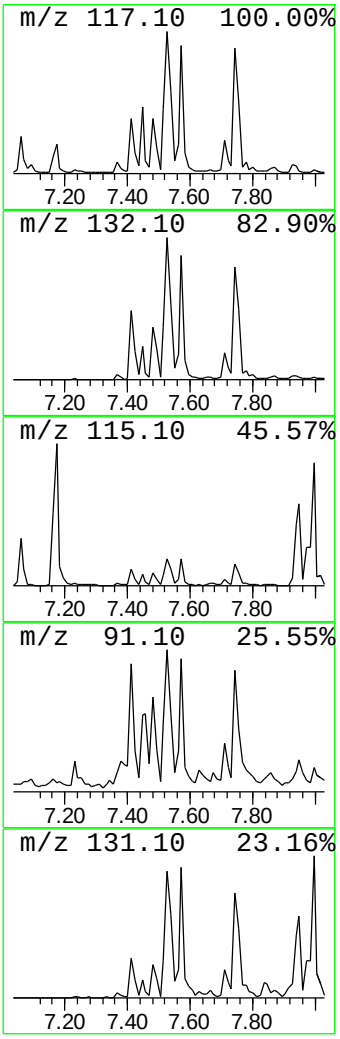
****

Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	60.78 ng	1662750	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	96
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	95





Library Search Compound Report

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Data File : BF083824.D
Acq On : 15 Dec 2015 17:55
Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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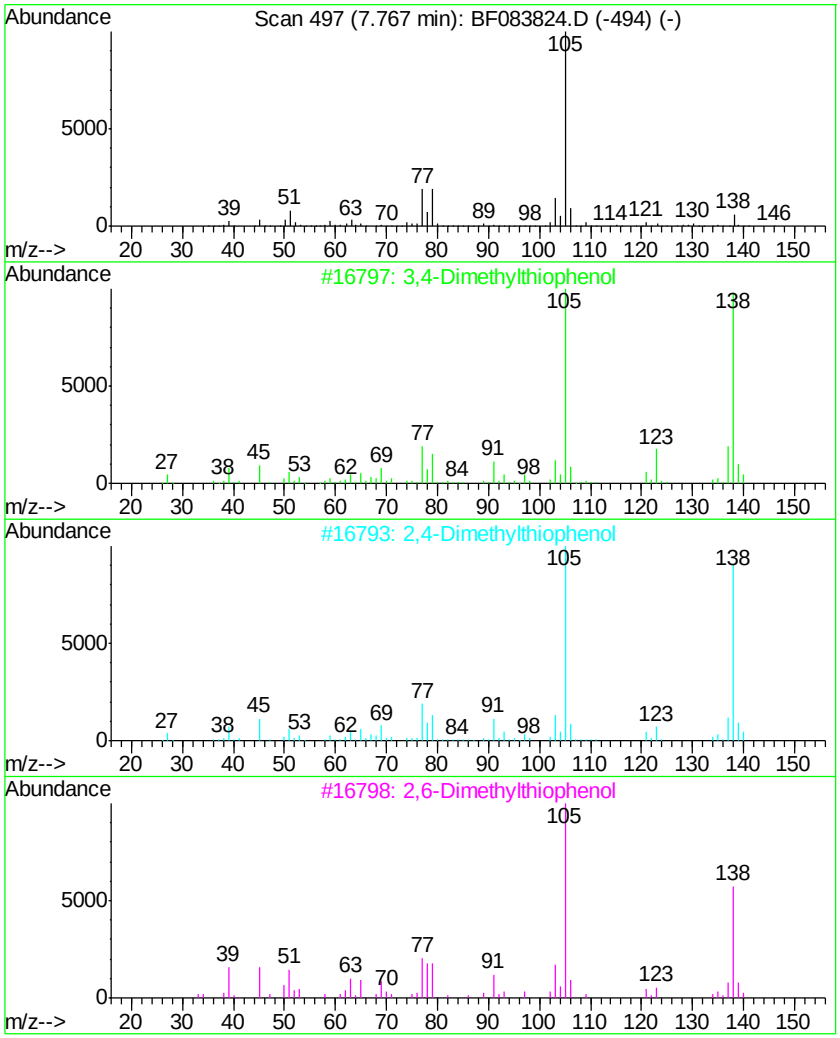
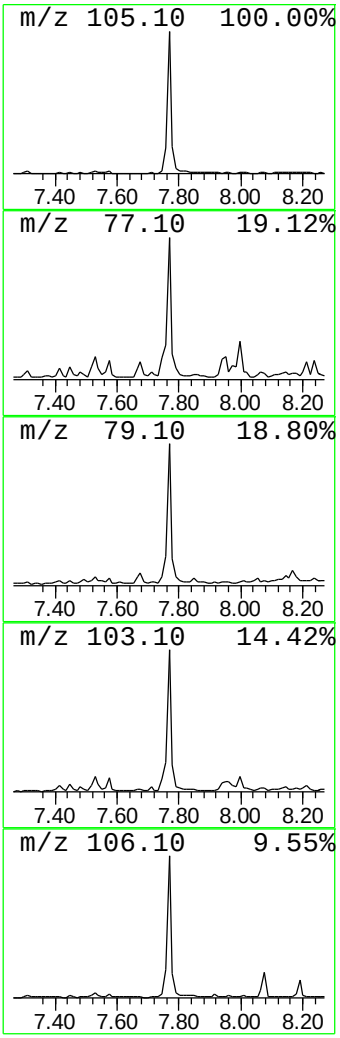
Peak Number 8 3,4-Dimethylthiophenol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	85.17 ng	3295700	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylthiophenol	138	C8H10S	018800-53-8	78
2	2,4-Dimethylthiophenol	138	C8H10S	013616-82-5	78
3	2,6-Dimethylthiophenol	138	C8H10S	000118-72-9	78
4	3,5-Dimethylthiophenol	138	C8H10S	038360-81-5	72
5	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	72





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Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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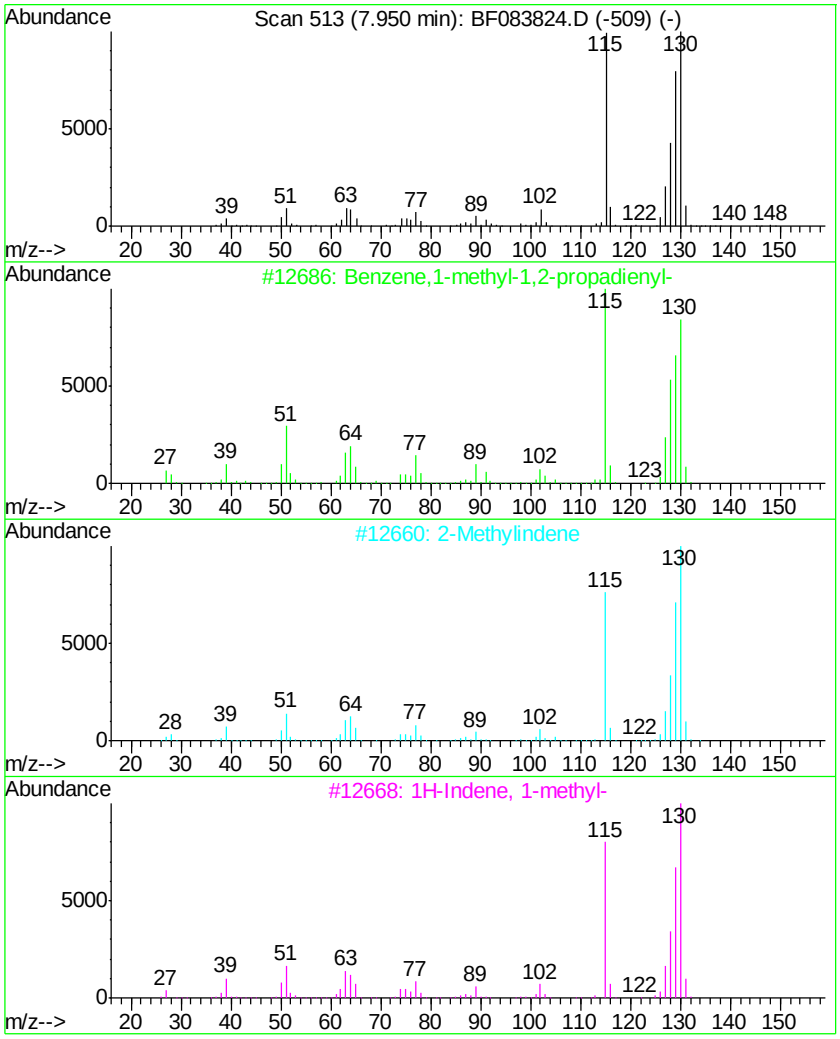
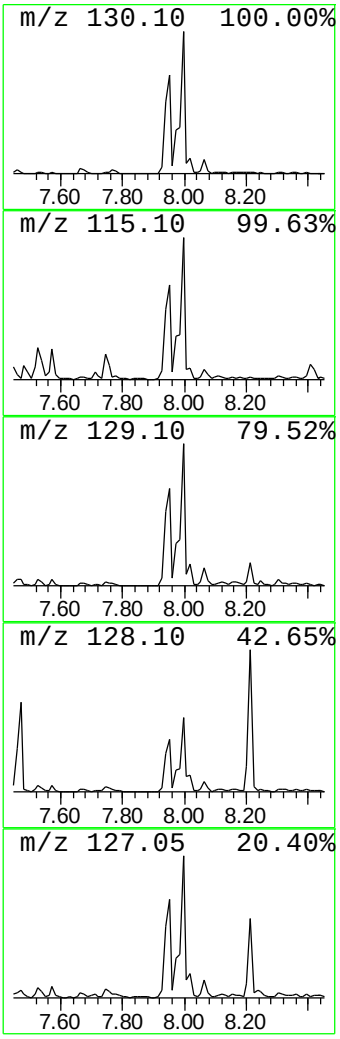
Peak Number 9 Benzene,1-methyl-1,2-propad... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	64.38 ng	2491130	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
2	2-Methylindene	130	C10H10	002177-47-1	94
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	91
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	91
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	91





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Sample : G4739-13
Misc :
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ClientSampleId : K211-13-14

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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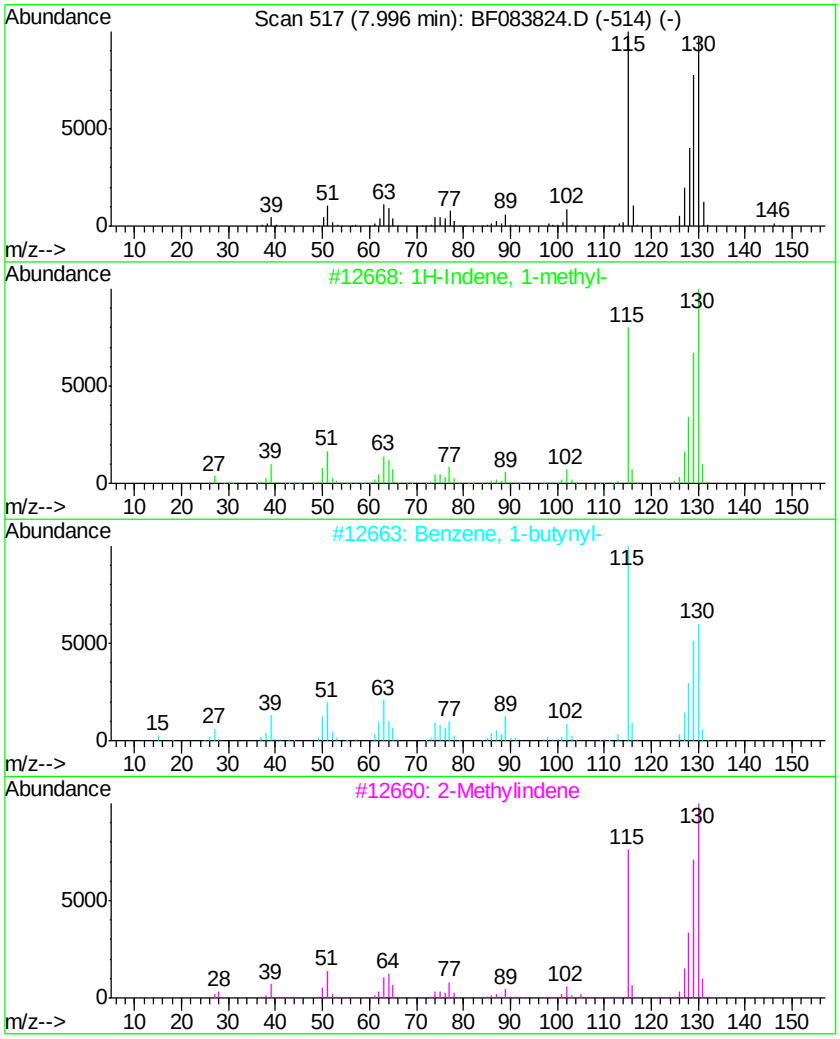
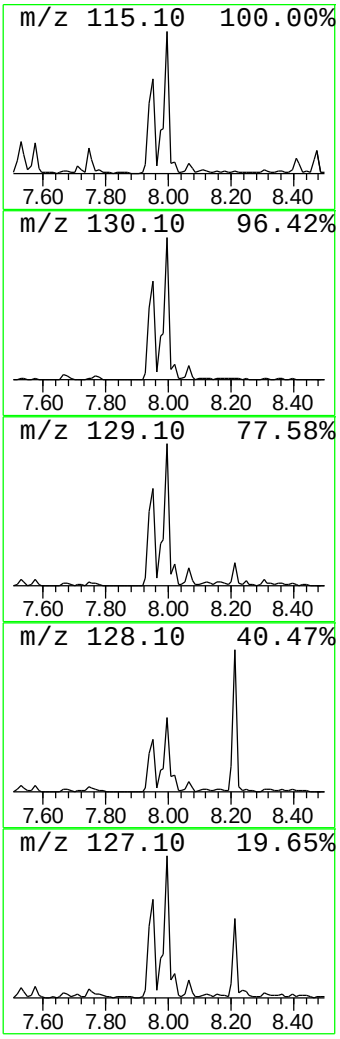
Peak Number 10 1H-Indene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	71.20 ng	2755350	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
3	2-Methylindene	130	C10H10	002177-47-1	94
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	91





Library Search Compound Report

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Acq On : 15 Dec 2015 17:55
Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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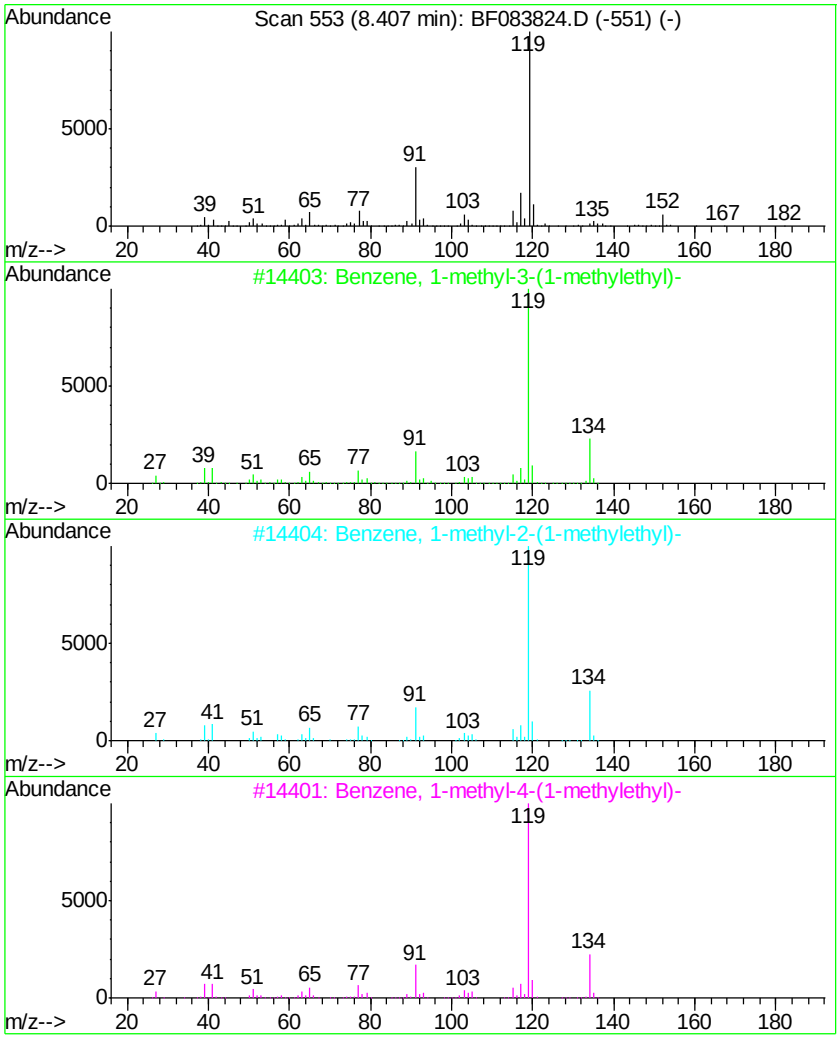
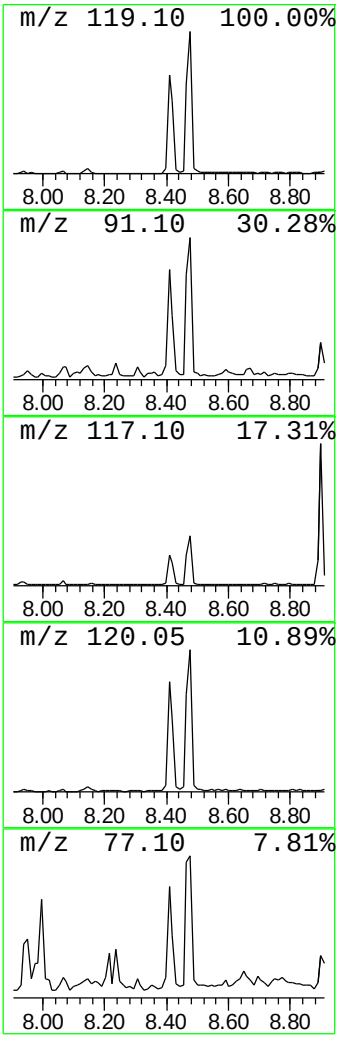
Peak Number 11 Benzene, 1-methyl-3-(1-meth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	61.42 ng	2376760	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	87
3	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	87
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	80
5	2,4,6-Trimethylbenzenethiol	152	C9H12S	001541-10-2	72





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Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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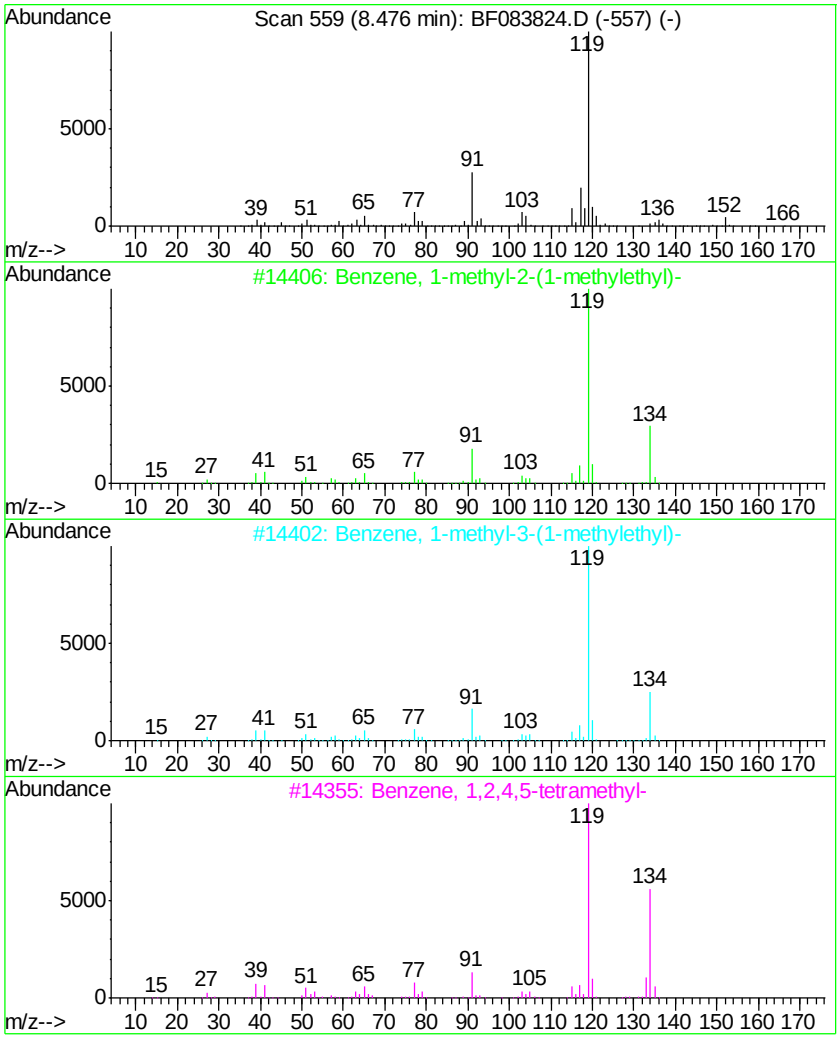
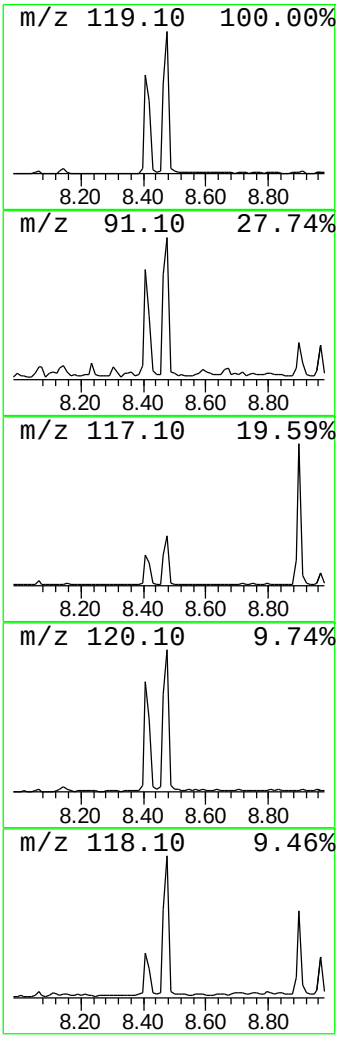
Peak Number 12 Benzene, 1-methyl-2-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	84.62 ng	3274370	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	76
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	59





Library Search Compound Report

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Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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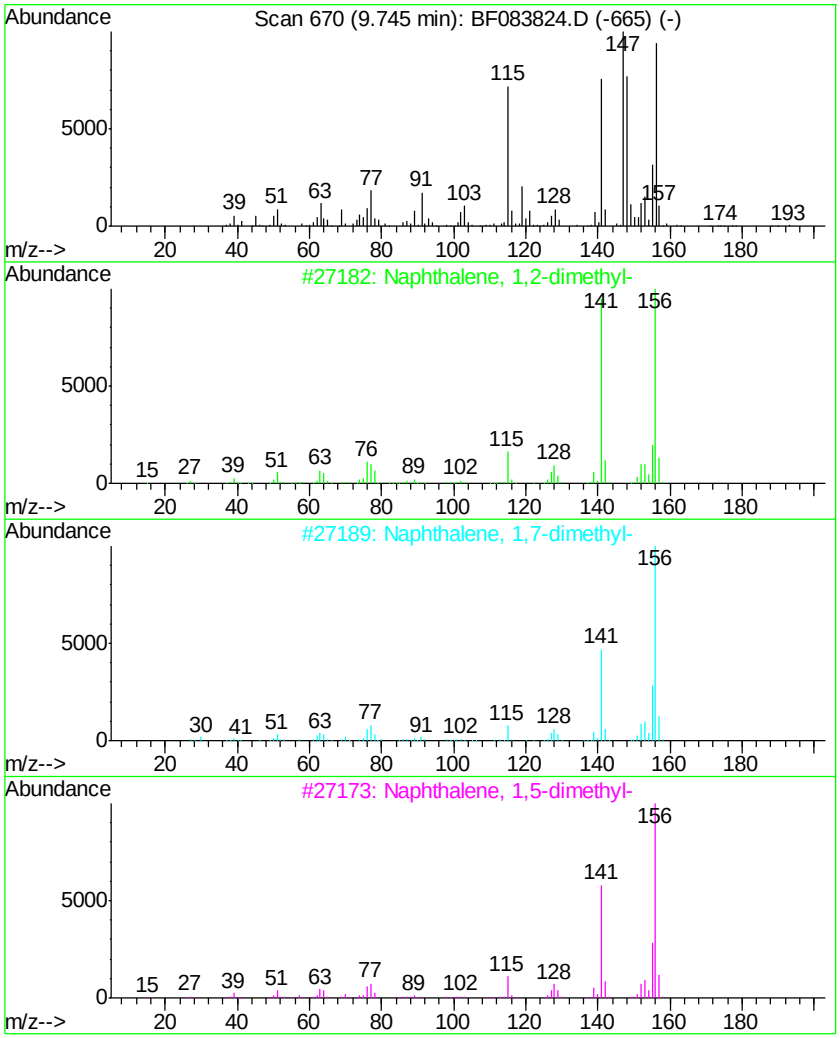
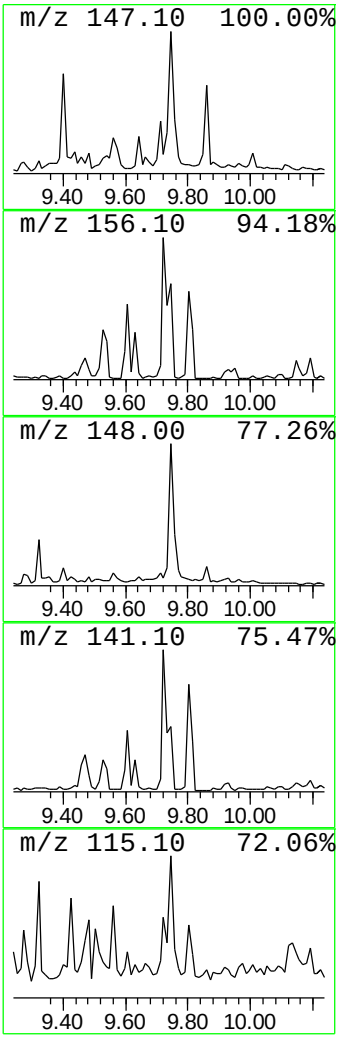
Peak Number 13 Naphthalene, 1,2-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	49.88 ng	1641760	Acenaphthene-d10	9.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	86
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	78
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	70
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	50
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	46





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Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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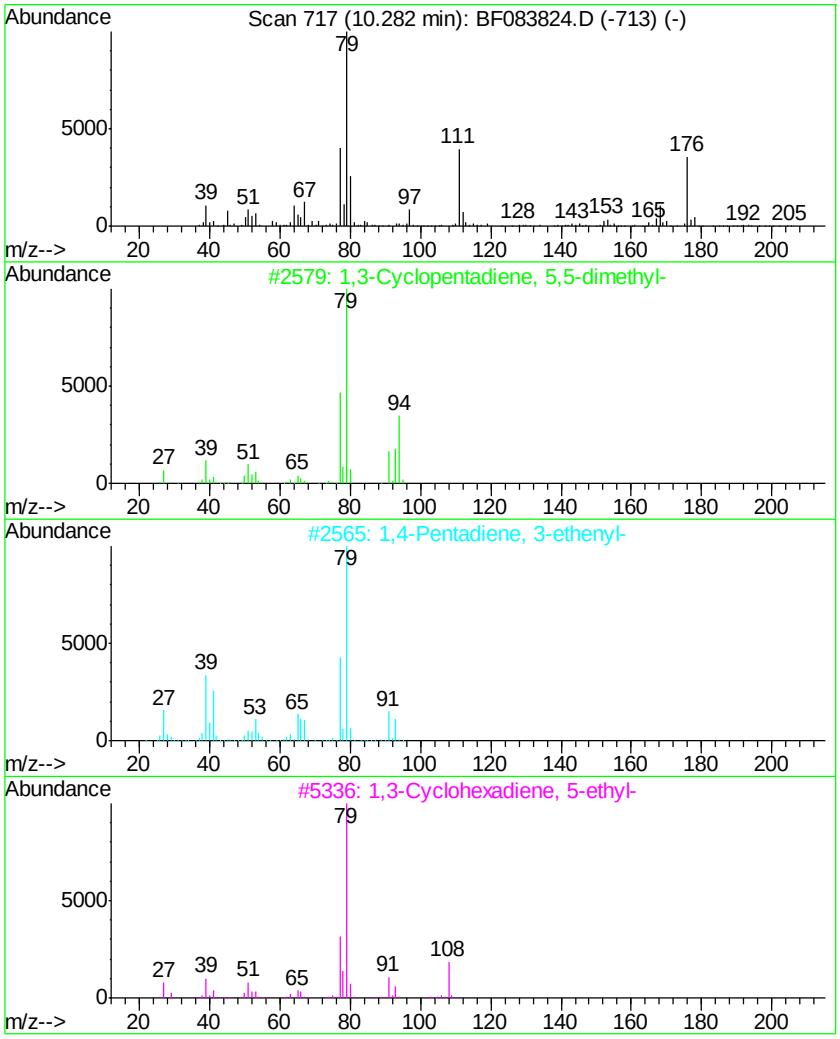
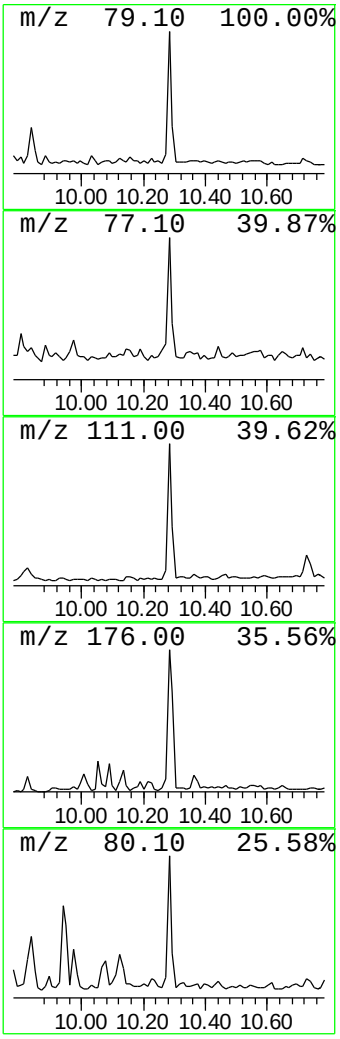
Peak Number 14 unknown10.28 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	54.30 ng	1787330	Acenaphthene-d10	9.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 5,5-dimethyl-	94	C7H10	004125-18-2	38
2	1,4-Pentadiene, 3-ethenyl-	94	C7H10	026456-63-3	32
3	1,3-Cyclohexadiene, 5-ethyl-	108	C8H12	040085-08-3	32
4	3-Thiatricyclo[3.1.1.0(2,4)]heptane	112	C6H8S	1000221-37-0	27
5	Tricyclo[4.1.0.0(2,7)]heptane	94	C7H10	000287-13-8	23





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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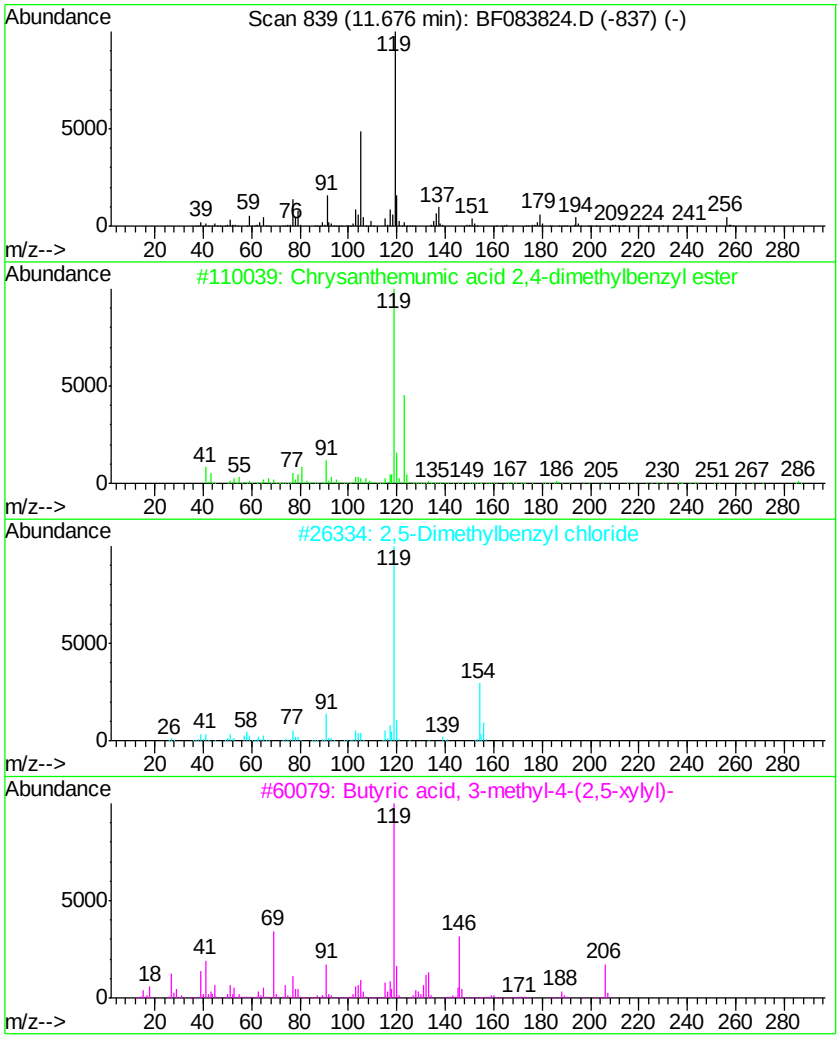
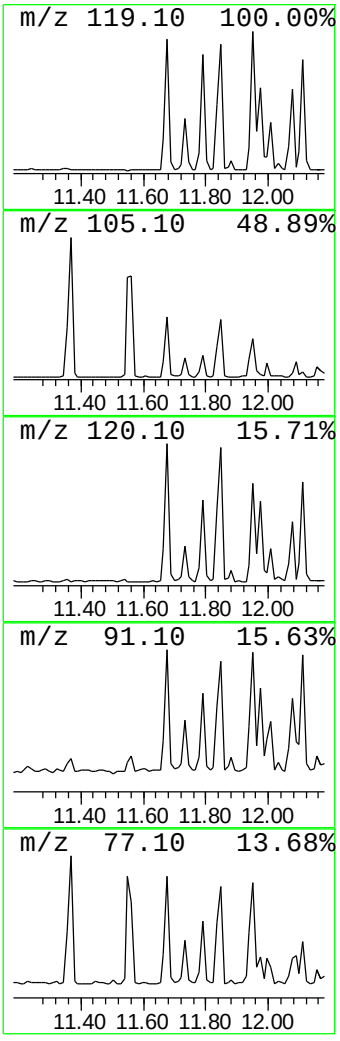
Peak Number 15 Chrysanthemumic acid 2,4-di... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	49.81 ng	2384740	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysanthemumic acid 2,4-dimethy...	286	C19H26O2	000070-38-2	59
2	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	59
3	Butyric acid, 3-methyl-4-(2,5-xy...	206	C13H18O2	030275-76-4	59
4	Benzoic acid, 2,5-dimethyl-, (2,...	268	C18H20O2	055000-48-1	53
5	2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	53





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Sample : G4739-13
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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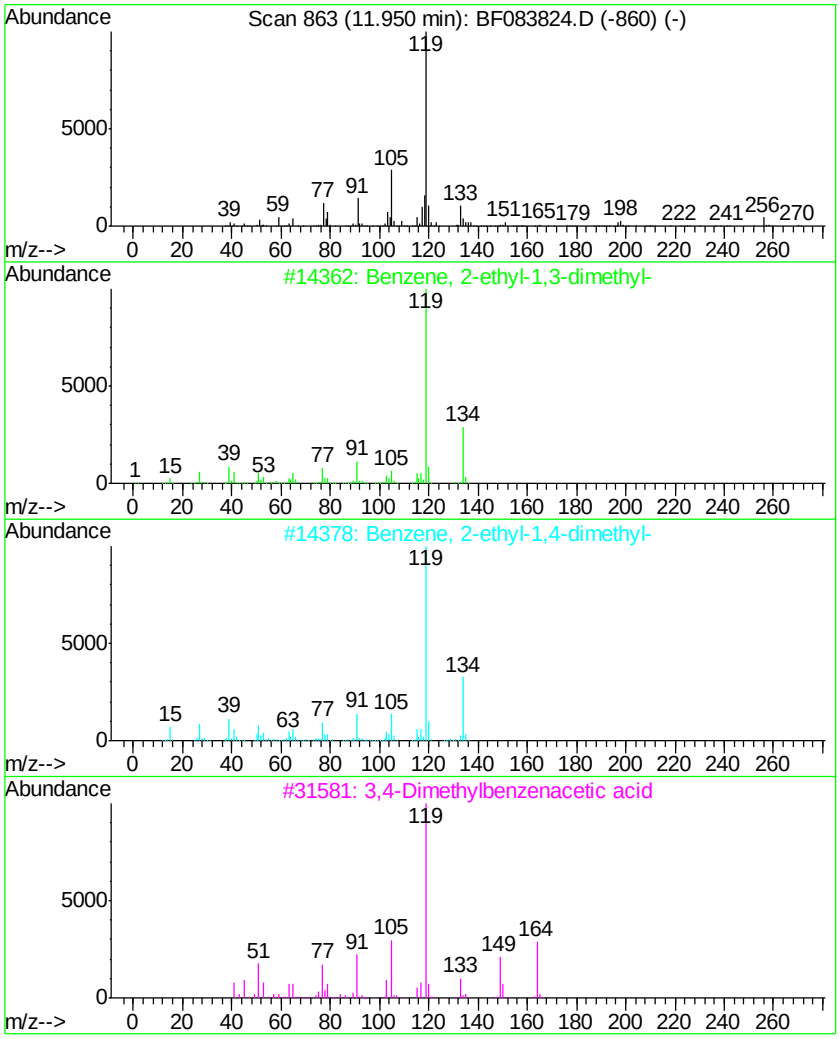
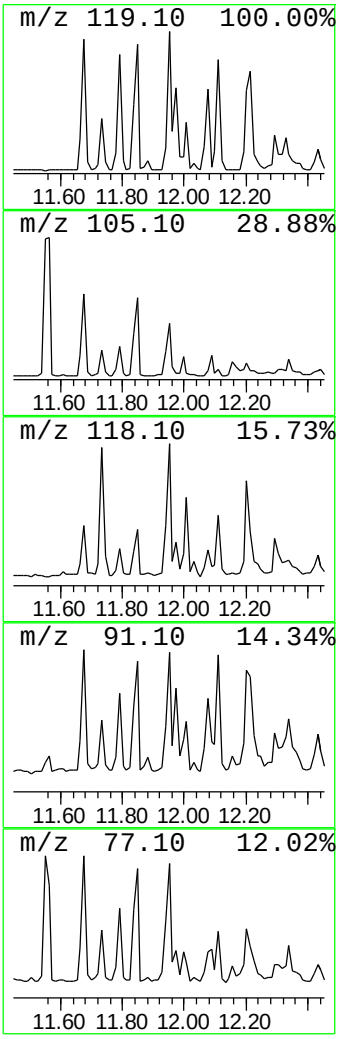
Peak Number 17 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	76.00 ng	3638750	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
3	3,4-Dimethylbenzenacetic acid	164	C10H12O2	017283-16-8	64
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	64
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64





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Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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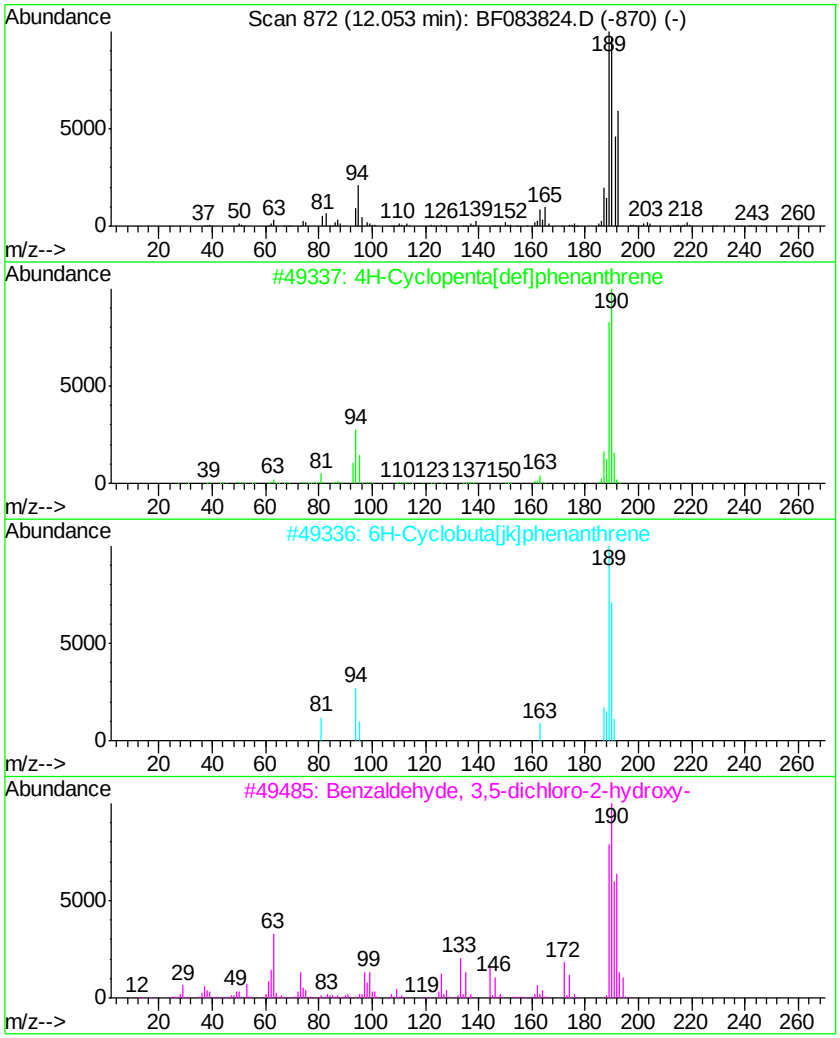
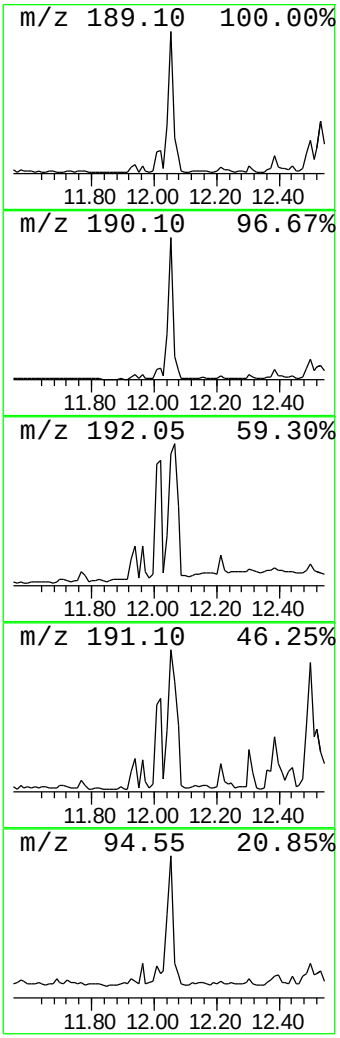
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	59.62 ng	2854700	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	4-Cyano-4-hydroxy-3-methyl-2-phe...	216	C13H16N2O	1000216-11-7	14





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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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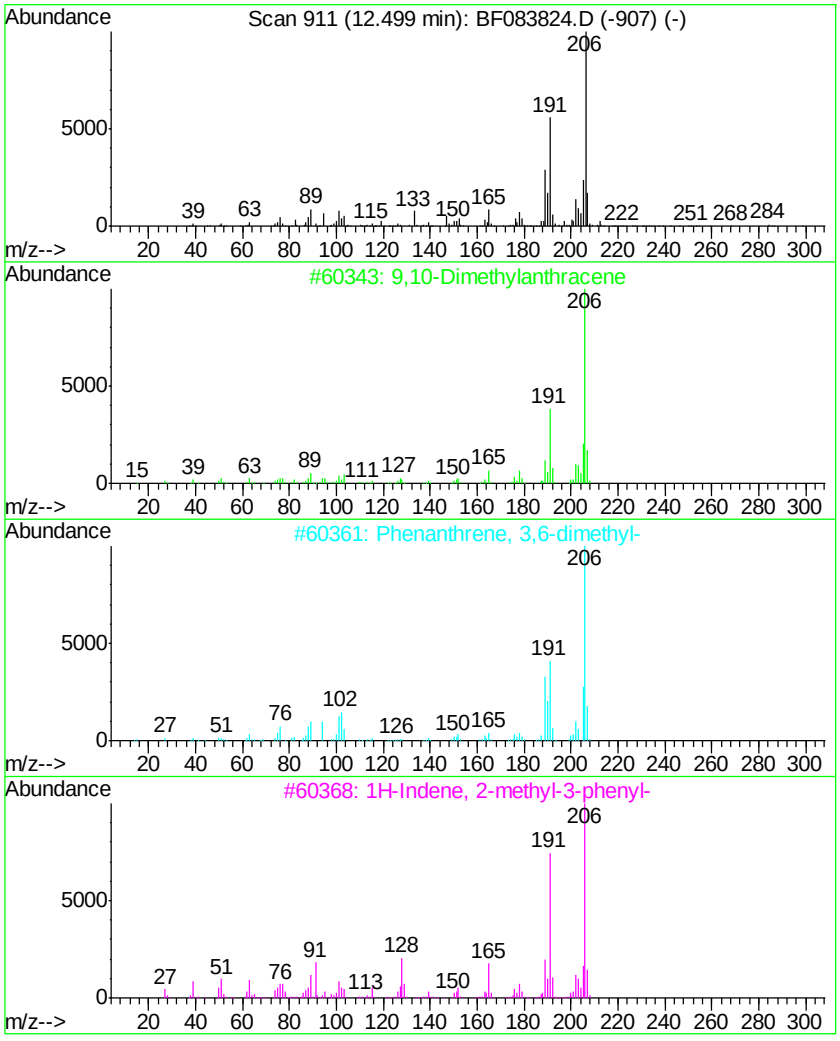
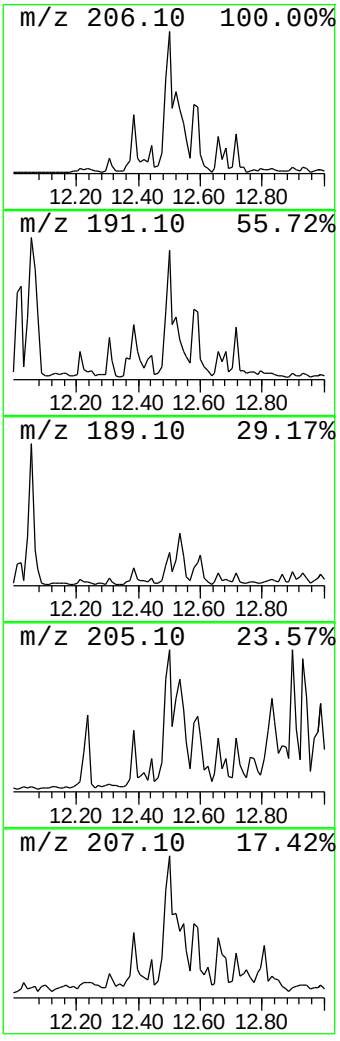
Peak Number 20 9,10-Dimethylanthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	53.13 ng	2544080	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Tentatively Identified Compound (LSC) summary

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Data File : BF083824.D
Acq On : 15 Dec 2015 17:55
Operator : UM/IZ
Sample : G4739-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K211-13-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1,3,5,7-Cycloocta...	5.73	100.4	ng	2746580	1	6.90	547104	20.0
Benzene, 1-etheny...	6.75	146.6	ng	4011240	1	6.90	547104	20.0
Benzene, cyclopro...	6.78	70.6	ng	1931220	1	6.90	547104	20.0
Indene	7.17	90.8	ng	2482600	1	6.90	547104	20.0
Benzene, 2-etheny...	7.53	60.8	ng	1662750	1	6.90	547104	20.0
3,4-Dimethylthiop...	7.77	85.2	ng	3295700	2	8.19	773940	20.0
Benzene,1-methyl-...	7.95	64.4	ng	2491130	2	8.19	773940	20.0
1H-Indene, 1-methyl-	8.00	71.2	ng	2755350	2	8.19	773940	20.0
Benzene, 1-methyl...	8.41	61.4	ng	2376760	2	8.19	773940	20.0
Benzene, 1-methyl...	8.48	84.6	ng	3274370	2	8.19	773940	20.0
Naphthalene, 1,2-...	9.74	49.9	ng	1641760	3	9.95	658343	20.0
unknown10.28	10.28	54.3	ng	1787330	3	9.95	658343	20.0
Chrysanthemumic a...	11.68	49.8	ng	2384740	4	11.44	957612	20.0
Benzene, 2-ethyl-...	11.95	76.0	ng	3638750	4	11.44	957612	20.0
4H-Cyclopenta[def...	12.05	59.6	ng	2854700	4	11.44	957612	20.0
9,10-Dimethylanth...	12.50	53.1	ng	2544080	4	11.44	957612	20.0