LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083451.D
Acq On : 3 Dec 2015 8:56
Operator : UM/IZ
Sample : G4582-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

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-BF113015.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	4.910	280	282	285	rBV	169773	220167	3.27%	0.283%
2	5.127	299	301	309	rBV	113014	184002	2.73%	0.237%
3	6.213	394	396	400	rVV	178280	239044	3.55%	0.308%
4	6.316	403	405	407	rVV	189758	223367	3.32%	0.287%
5	6.362	407	409	413	rVB2	135210	186583	2.77%	0.240%
6	6.533	422	424	426	rBV	790818	800367	11.89%	1.030%
7	6.693	436	438	439	rBV	210640	228364	3.39%	0.294%
8	6.716	439	440	443	rVB	720408	641931	9.54%	0.826%
9	7.116	465	475	478	rBV3	137492	505980	7.52%	0.651%
10	7.356	494	496	498	rVB	149777	193772	2.88%	0.249%
11	7.459	503	505	507	rBV	140636	210834	3.13%	0.271%
12	7.573	513	515	517	rBV3	190982	256825	3.82%	0.330%
13	7.607	517	518	521	rVV2	147456	158386	2.35%	0.204%
14	7.733	525	529	531	rBV4	116480	212813	3.16%	0.274%
15	7.859	535	540	542	rVV	4109322	6729392	100.00%	8.657%
16	7.916	543	545	548	rVB2	470497	457424	6.80%	0.588%
17	8.042	554	556	558	rVB2	201373	200284	2.98%	0.258%
18	8.133	561	564	565	rBV3	146306	218335	3.24%	0.281%
19	8.202	568	570	571	rBV	153159	193092	2.87%	0.248%
20	8.225	571	572	574	rVB2	125338	163590	2.43%	0.210%
21	8.282	574	577	580	rBV	626250	1132095	16.82%	1.456%
22	8.339	580	582	584	rVB2	122943	157105	2.33%	0.202%
23	8.373	584	585	589	rBV3	166080	328888	4.89%	0.423%
24	8.442	589	591	593	rBV3	146428	287698	4.28%	0.370%
25	8.499	594	596	597	rVV2	219068	276296	4.11%	0.355%
26	8.545	597	600	601	rVB	1267327	1387621	20.62%	1.785%
27	8.568	601	602	605	rBV3	71921	182575	2.71%	0.235%
28	8.636	606	608	611	rVB	1235303	1208801	17.96%	1.555%
29	8.750	613	618	619	rBV3	247350	551570	8.20%	0.710%
30	8.819	622	624	625	rBV	176179	228679	3.40%	0.294%
31	8.876	625	629	630	rVV	1085155	1297815	19.29%	1.670%
32	8.910	630	632	633	rVB	211452	255451	3.80%	0.329%
33	9.002	638	640	643	rBV3	659021	1118909	16.63%	1.439%
34	9.093	646	648	652	rVB2	336708	752527	11.18%	0.968%

LSC Area Percent Report

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Data File : BF083451.D
Acq On : 3 Dec 2015 8:56
Operator : UM/IZ
Sample : G4582-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

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-BF113015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.173	652	655	656	rBV	388155	670912	9.97%	0.863%
36	9.208	656	658	659	rBV2	143834	269096	4.00%	0.346%
37	9.242	659	661	662	rBV	427577	427612	6.35%	0.550%
38	9.322	666	668	670	rBV	1036525	1475427	21.93%	1.898%
39	9.436	676	678	679	rVB	696286	602652	8.96%	0.775%
40	9.539	685	687	688	rBV	210596	365939	5.44%	0.471%
41	9.573	688	690	691	rVV2	1478147	1660884	24.68%	2.137%
42	9.608	691	693	695	rVV	2628376	2416429	35.91%	3.108%
43	9.676	697	699	703	rVB3	194087	370899	5.51%	0.477%
44	9.790	704	709	713	rBV4	387811	1276929	18.98%	1.643%
45	9.859	713	715	716	rVB	574857	649911	9.66%	0.836%
46	9.893	716	718	721	rBV3	244342	412876	6.14%	0.531%
47	9.973	724	725	727	rBV2	325874	412564	6.13%	0.531%
48	10.031	727	730	732	rBV3	274534	563208	8.37%	0.725%
49	10.122	736	738	739	rBV	832701	804510	11.96%	1.035%
50	10.248	747	749	751	rVV	1431146	1918313	28.51%	2.468%
51	10.293	751	753	755	rVB3	211425	314791	4.68%	0.405%
52	10.362	755	759	761	rVB3	538806	869939	12.93%	1.119%
53	10.522	771	773	776	rVB	2033837	2957017	43.94%	3.804%
54	10.716	789	790	792	rVB2	297928	320022	4.76%	0.412%
55	11.036	816	818	821	rVB	1694068	2063304	30.66%	2.654%
56	11.116	822	825	826	rBV	868415	1328274	19.74%	1.709%
57	11.151	826	828	831	rVV	2477597	3722652	55.32%	4.789%
58	11.196	831	832	835	rVB	906077	1137429	16.90%	1.463%
59	11.459	853	855	857	rBV2	492299	709897	10.55%	0.913%
60	11.722	876	878	879	rBV	333558	326290	4.85%	0.420%
61	11.756	879	881	884	rVB	507743	624816	9.28%	0.804%
62	11.814	884	886	888	rBV	187878	226444	3.36%	0.291%
63	11.859	888	890	891	rBV	877579	1119947	16.64%	1.441%
64	12.099	909	911	919	rVB2	378837	947634	14.08%	1.219%
65	12.431	937	940	942	rBV2	276903	577757	8.59%	0.743%
66	12.488	942	945	946	rVB	152338	238651	3.55%	0.307%
67	12.648	956	959	961	rVB	1950685	2238839	33.27%	2.880%
68	12.774	968	970	974	rVB	588937	783822	11.65%	1.008%
69	12.842	974	976	978	rBV	98917	158963	2.36%	0.204%
70	12.957	984	986	989	rVB	2154976	3301639	49.06%	4.247%
71	13.014	989	991	994	rVB4	80870	159812	2.37%	0.206%

LSC Area Percent Report

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Data File : BF083451.D
Acq On : 3 Dec 2015 8:56
Operator : UM/IZ
Sample : G4582-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

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:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.197	1005	1007	1011	rVB	204715	311300	4.63%	0.400%
73	13.277	1011	1014	1019	rVV3	221914	441541	6.56%	0.568%
74	13.402	1022	1025	1026	rVV2	192890	373063	5.54%	0.480%
75	13.437	1026	1028	1032	rVB	409339	582053	8.65%	0.749%
76	13.539	1034	1037	1039	rVV	271424	439442	6.53%	0.565%
77	13.585	1039	1041	1043	rVB	281894	329040	4.89%	0.423%
78	13.711	1050	1052	1054	rVB	258610	378470	5.62%	0.487%
79	13.757	1054	1056	1061	rVB	224087	339560	5.05%	0.437%
80	14.339	1104	1107	1109	rBV3	129262	265835	3.95%	0.342%
81	14.397	1109	1112	1113	rVV2	174395	360569	5.36%	0.464%
82	14.420	1113	1114	1116	rVB	247259	207887	3.09%	0.267%
83	14.728	1137	1141	1143	rBV2	1189727	2768213	41.14%	3.561%
84	14.774	1143	1145	1147	rVV	910067	1148250	17.06%	1.477%
85	14.957	1158	1161	1164	rVB	330962	462030	6.87%	0.594%
86	15.345	1191	1195	1197	rVV	203967	404101	6.01%	0.520%
87	15.482	1205	1207	1209	rVV3	102518	198717	2.95%	0.256%
88	15.551	1209	1213	1215	rVB3	146565	350097	5.20%	0.450%
89	16.294	1274	1278	1284	rBV	763225	1998525	29.70%	2.571%
90	16.420	1287	1289	1292	rVB	200596	309694	4.60%	0.398%
91	16.660	1306	1310	1312	rVB	592412	982982	14.61%	1.265%
92	16.728	1312	1316	1319	rBV	1122997	1635878	24.31%	2.104%
93	16.797	1319	1322	1324	rBV	530235	800682	11.90%	1.030%
94	17.368	1369	1372	1378	rVB3	164262	341168	5.07%	0.439%
95	18.031	1427	1430	1436	rBV2	111799	299661	4.45%	0.385%
96	18.180	1439	1443	1447	rVB2	388202	764537	11.36%	0.984%
97	18.546	1472	1475	1483	rVB	361871	755551	11.23%	0.972%
98	18.751	1490	1493	1497	rBV	94616	205442	3.05%	0.264%
99	20.443	1637	1641	1647	rVB	78081	245141	3.64%	0.315%
100	21.426	1724	1727	1733	rVB2	69878	220222	3.27%	0.283%

Sum of corrected areas: 77736333

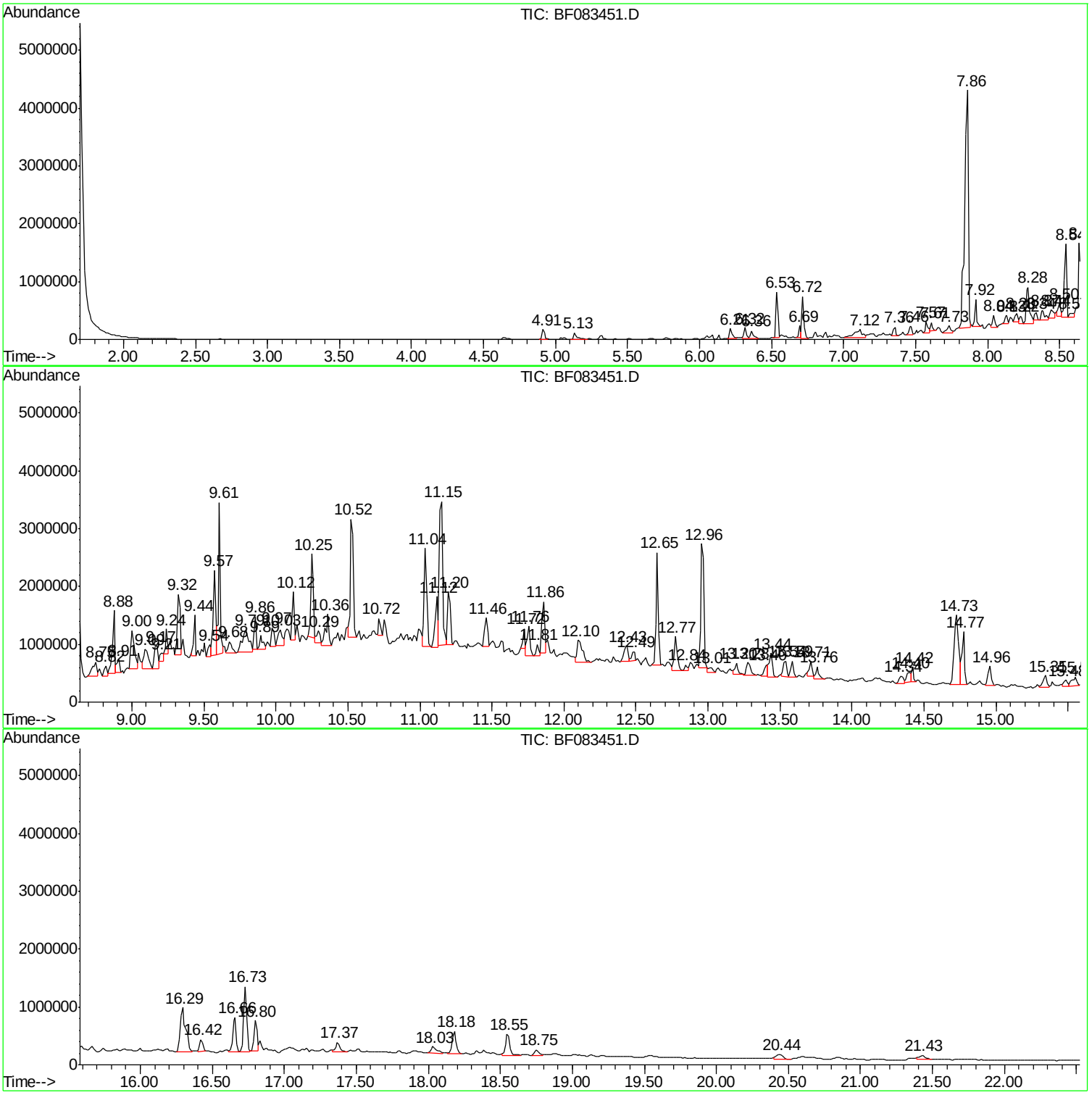
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083451.D
Acq On : 3 Dec 2015 8:56
Operator : UM/IZ
Sample : G4582-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083451.D
Acq On : 3 Dec 2015 8:56
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Sample : G4582-13 20X
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Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

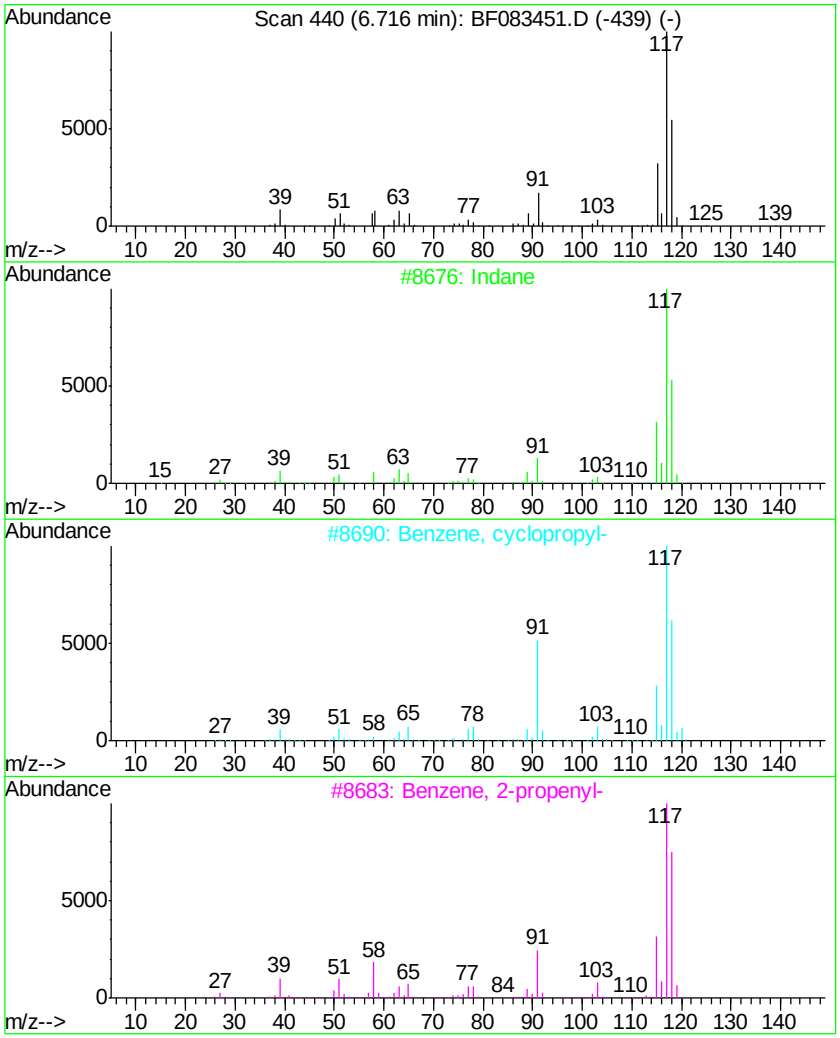
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

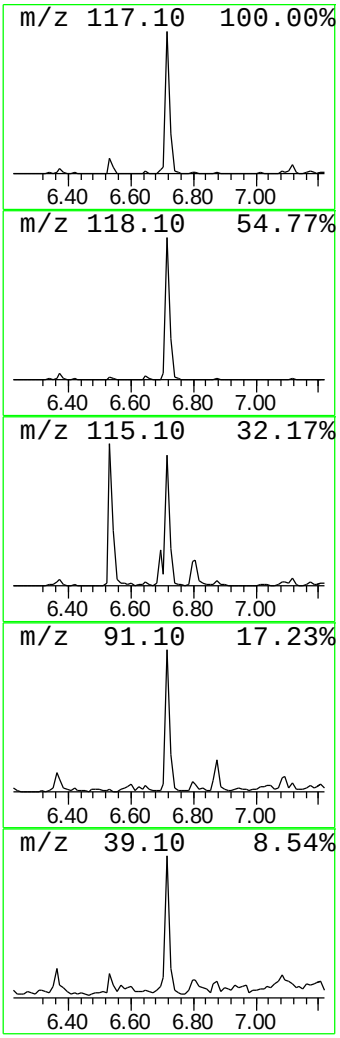
****

Peak Number 1 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	16.04 ng	641931	1,4-Dichlorobenzene-d4	6.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
5	Deltacyclene	118	C9H10	007785-10-6	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083451.D
Acq On : 3 Dec 2015 8:56
Operator : UM/IZ
Sample : G4582-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

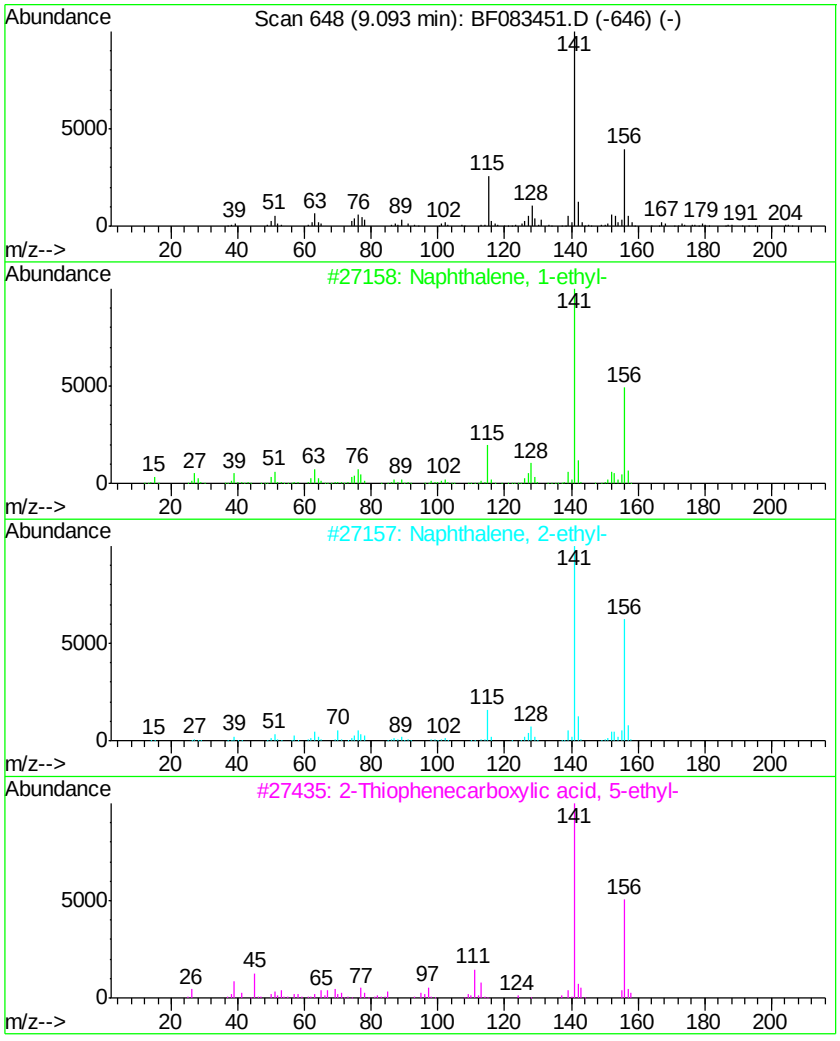
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

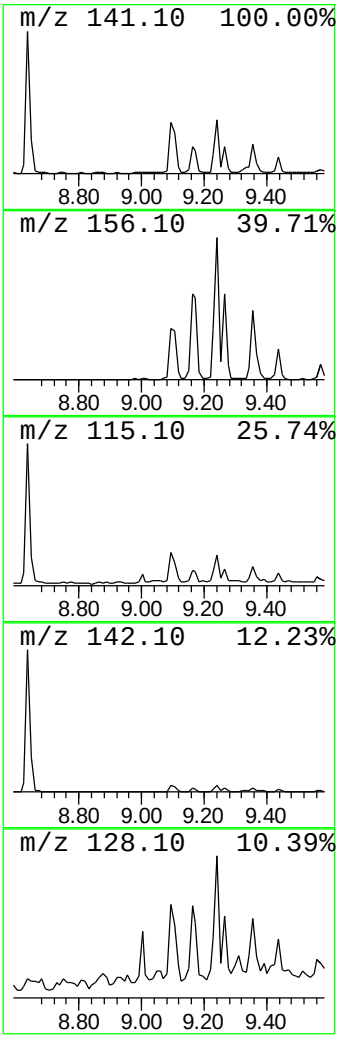
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	9.06 ng	752527	Acenaphthene-d10	9.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
4	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	59
5	Naphthalene, 1-(2-methylpropyl)-	184	C14H16	016727-91-6	50





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Sample : G4582-13 20X
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ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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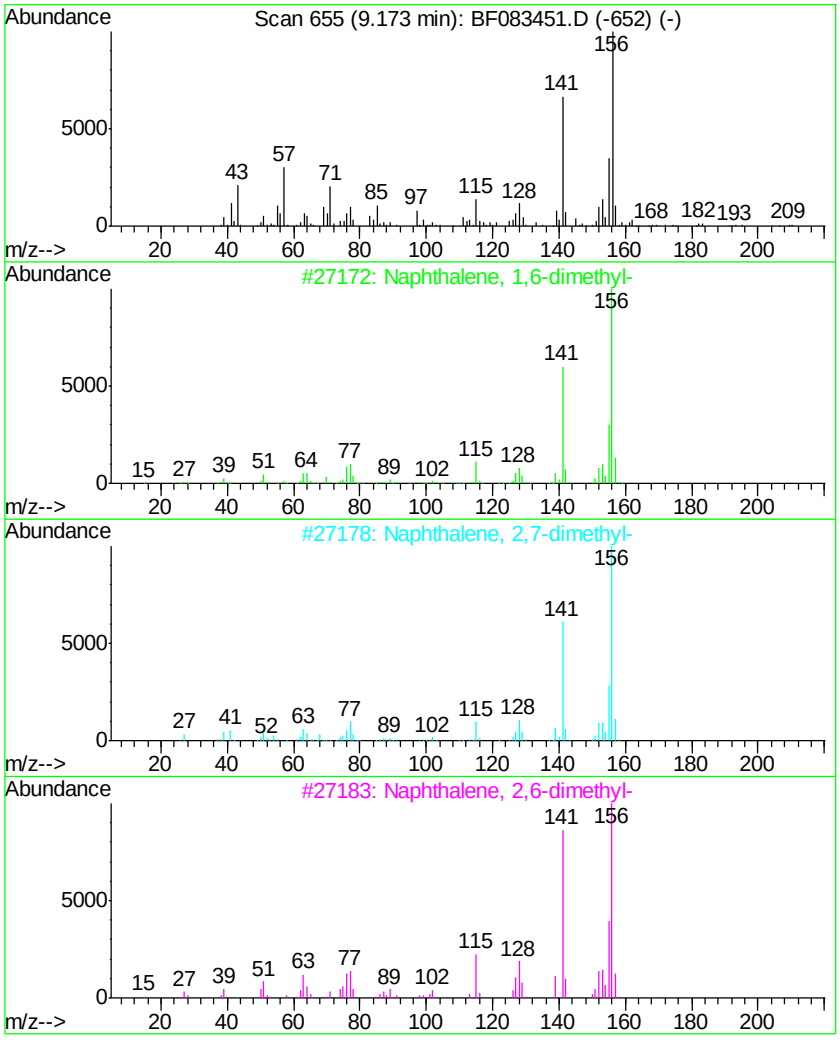
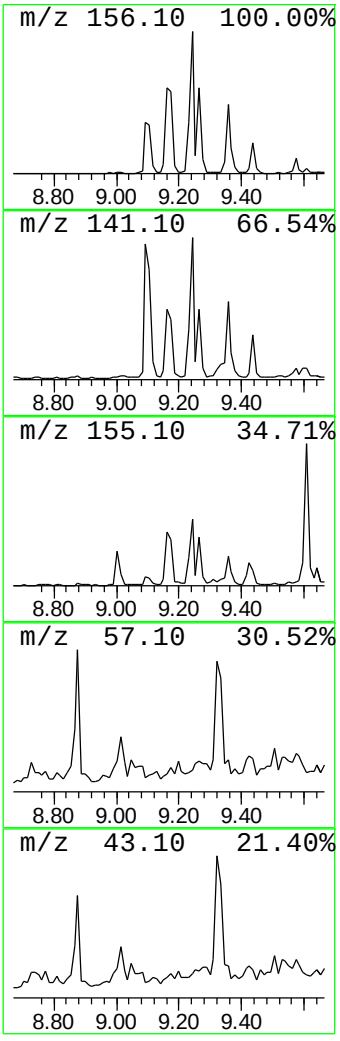
Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	8.08 ng	670912	Acenaphthene-d10	9.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083451.D
Acq On : 3 Dec 2015 8:56
Operator : UM/IZ
Sample : G4582-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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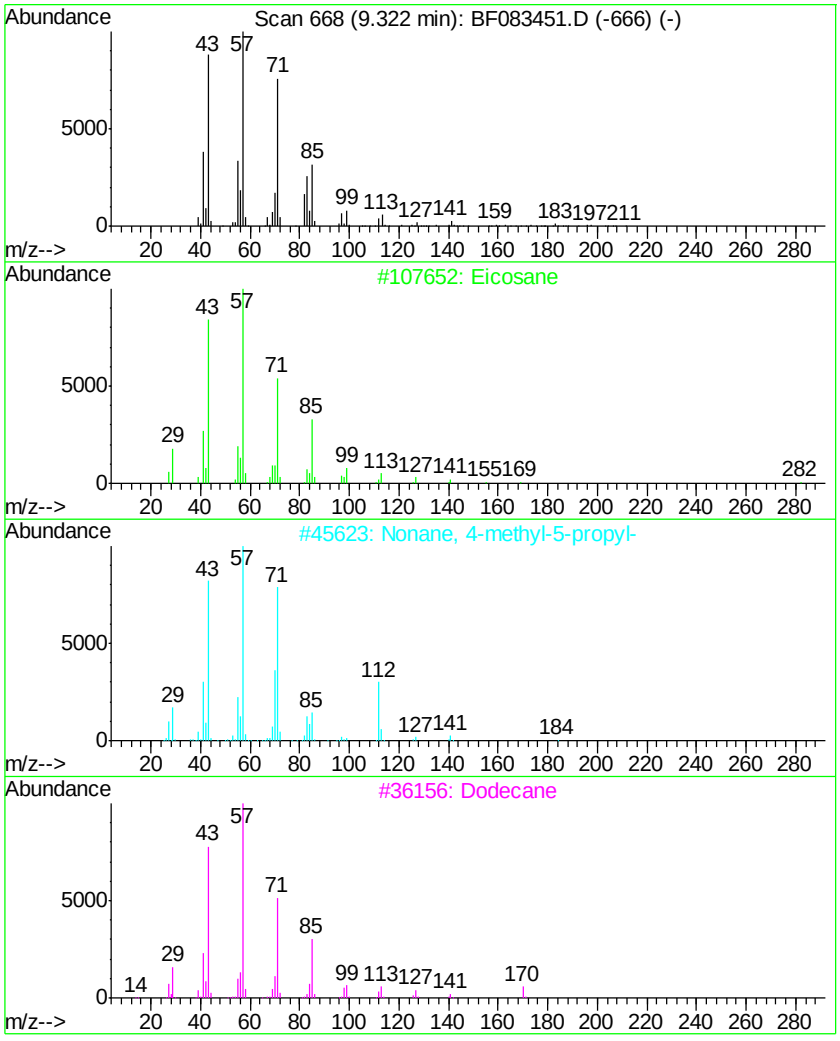
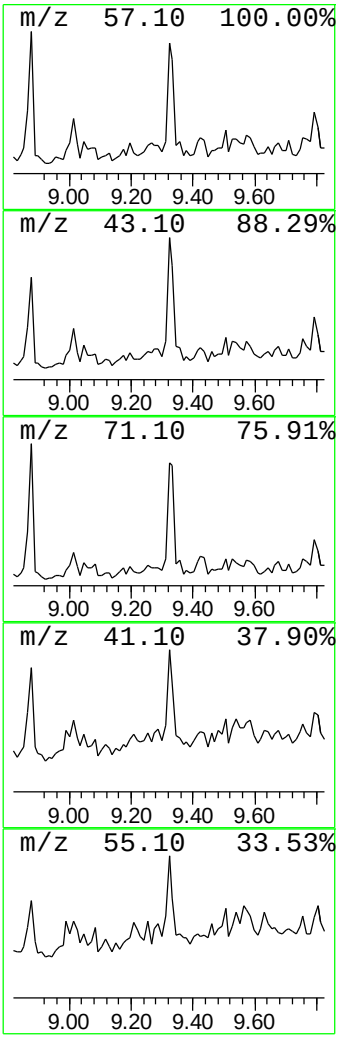
Peak Number 4 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	17.77 ng	1475430	Acenaphthene-d10	9.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	80
2	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	76
3	Dodecane	170	C12H26	000112-40-3	72
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	59
5	Pentadecane	212	C15H32	000629-62-9	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083451.D
Acq On : 3 Dec 2015 8:56
Operator : UM/IZ
Sample : G4582-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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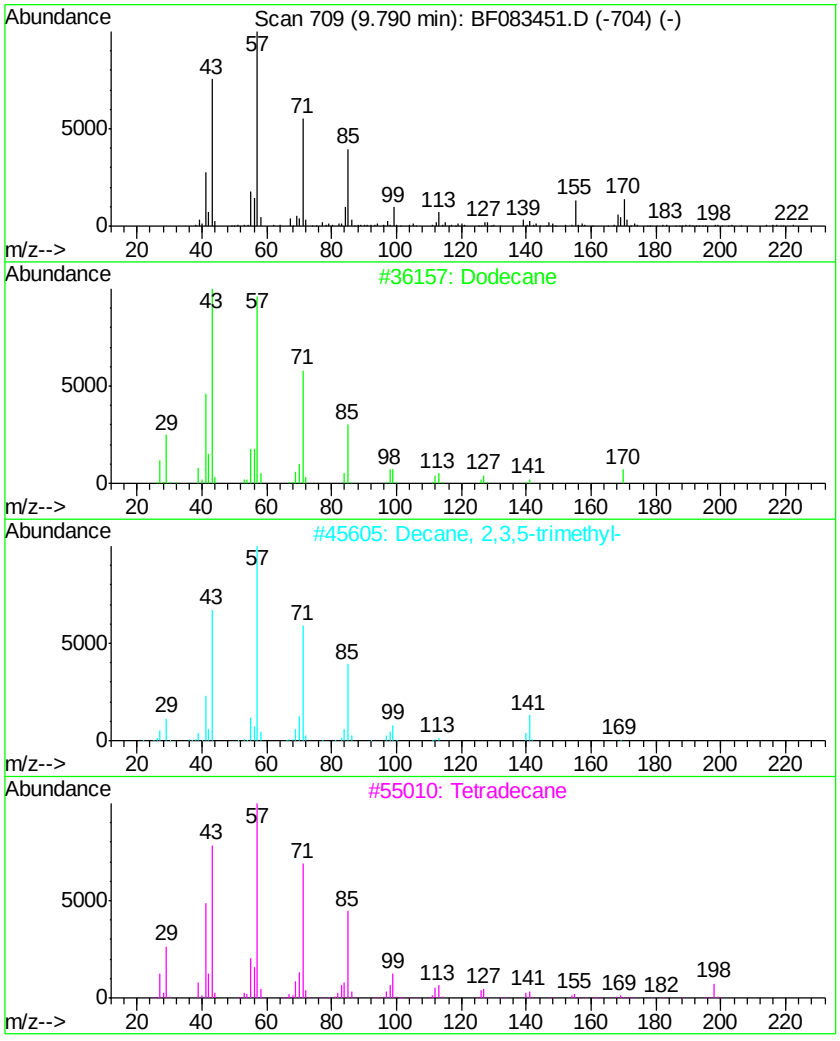
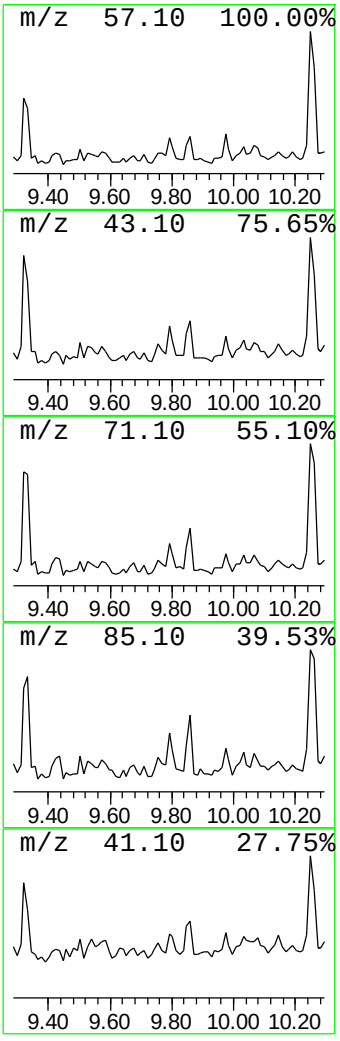
Peak Number 5 Dodecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	15.38 ng	1276930	Acenaphthene-d10	9.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	80
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64
3	Tetradecane	198	C14H30	000629-59-4	64
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	59
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083451.D
Acq On : 3 Dec 2015 8:56
Operator : UM/IZ
Sample : G4582-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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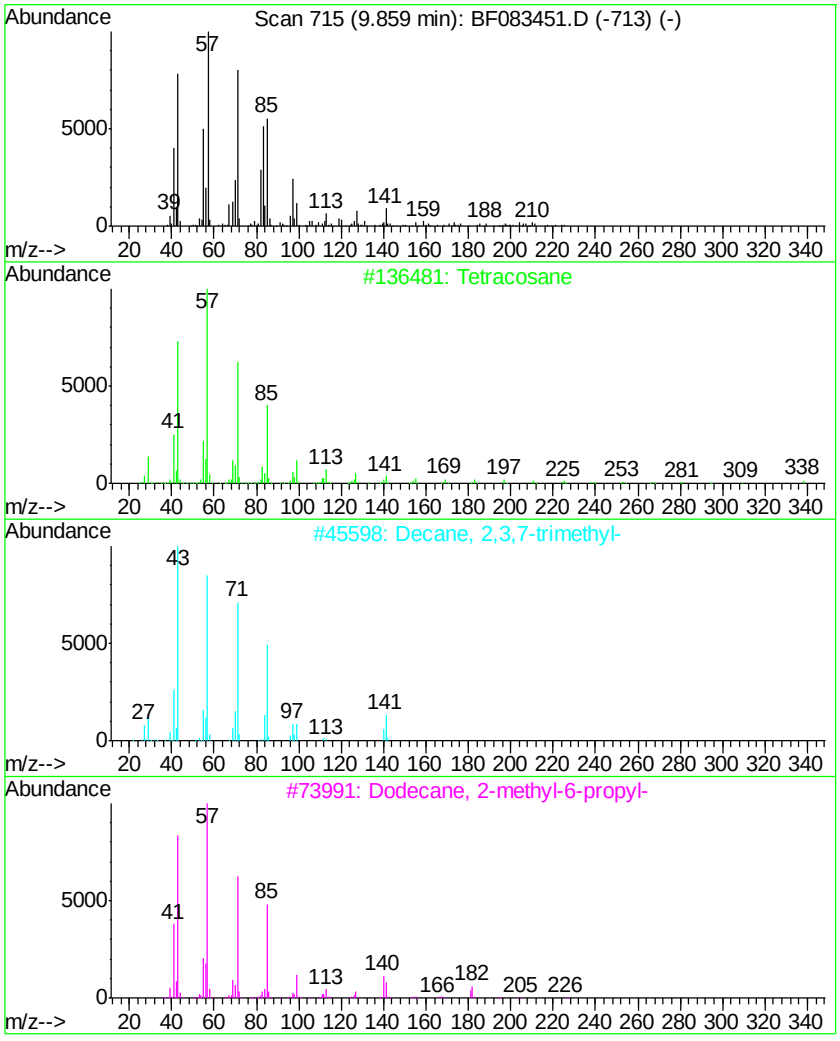
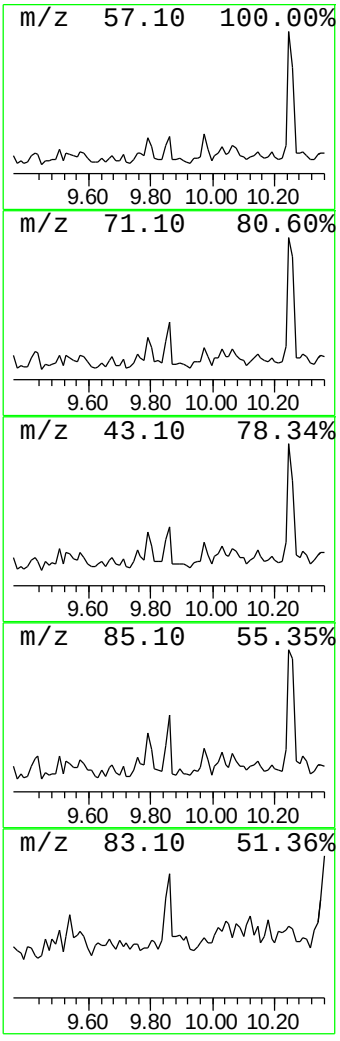
Peak Number 6 Tetracosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	7.83 ng	649911	Acenaphthene-d10	9.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	52
2	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	50
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	47
4	Octacosane	394	C28H58	000630-02-4	46
5	Eicosane	282	C20H42	000112-95-8	46





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Operator : UM/IZ
Sample : G4582-13 20X
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ClientSampleId : SB-P3WC-08(0-8)

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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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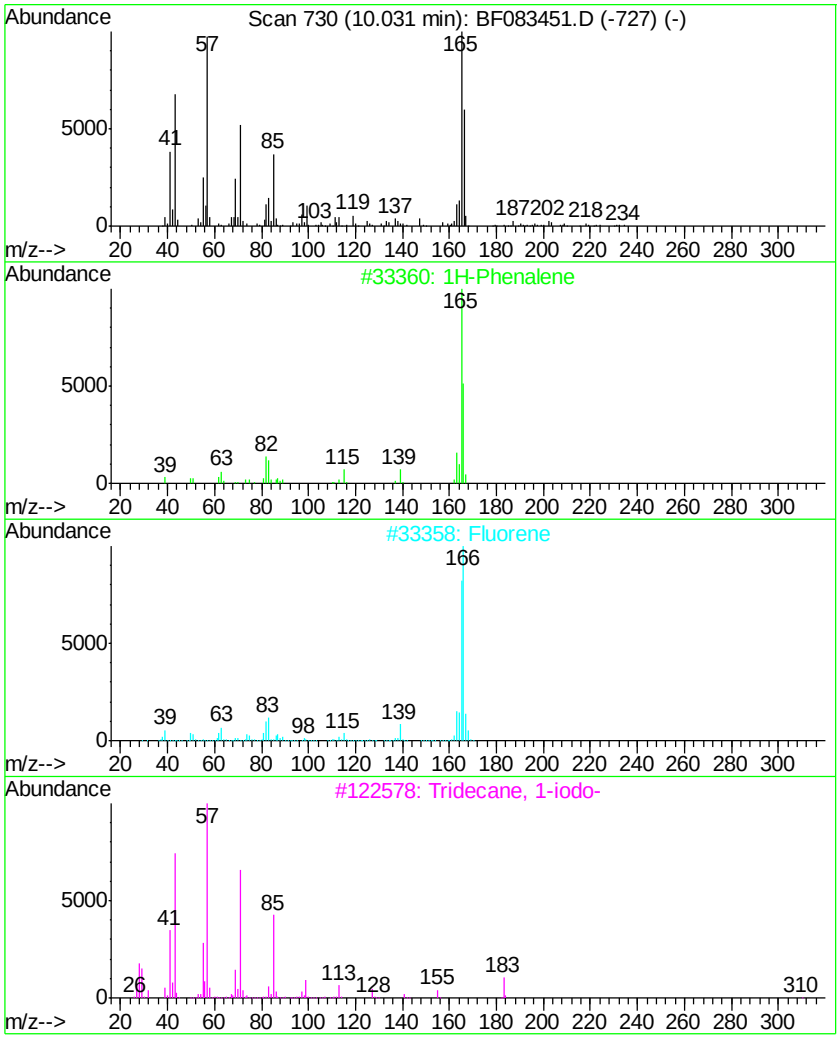
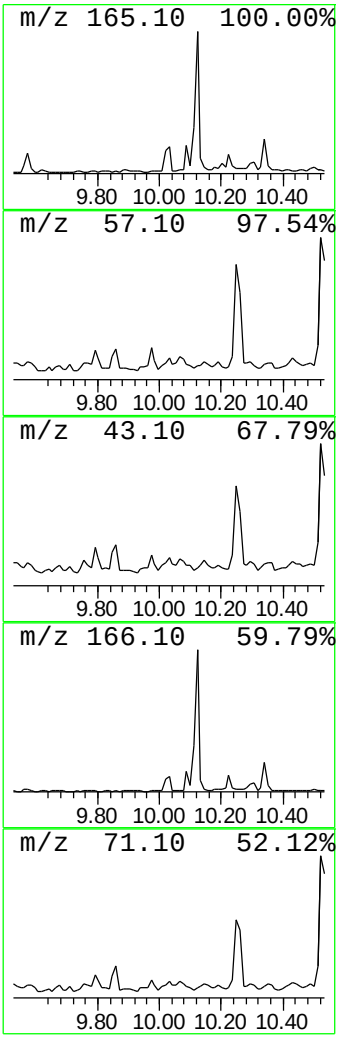
Peak Number 7 unknown10.03 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	6.78 ng	563208	Acenaphthene-d10	9.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	46
2	Fluorene	166	C13H10	000086-73-7	38
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	25
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	22
5	Nonacosane	408	C29H60	000630-03-5	22





Library Search Compound Report

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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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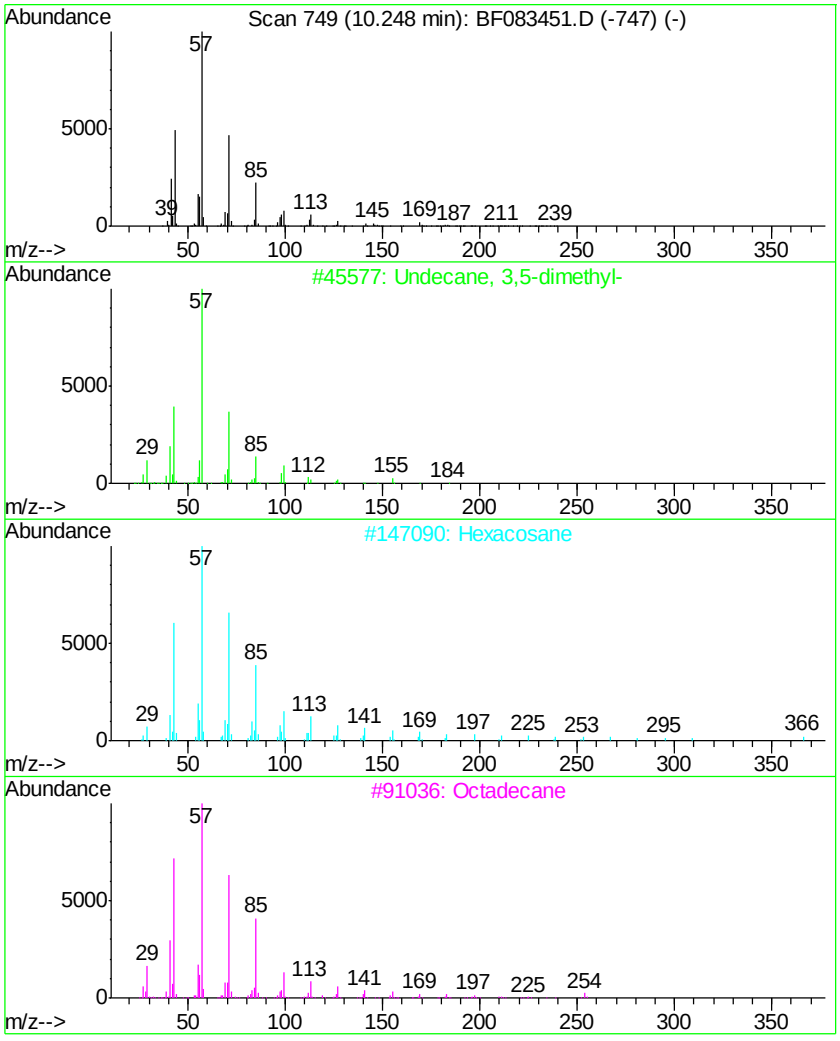
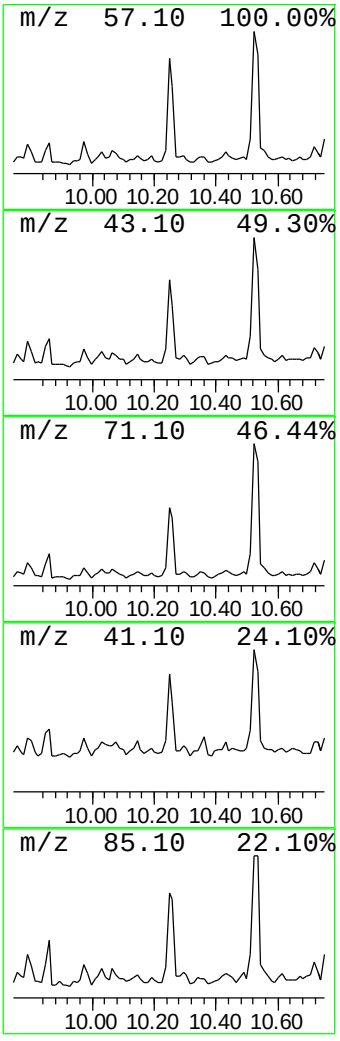
Peak Number 8 Undecane, 3,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	23.10 ng	1918310	Acenaphthene-d10	9.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	81
2	Hexacosane	366	C26H54	000630-01-3	78
3	Octadecane	254	C18H38	000593-45-3	78
4	Heneicosane	296	C21H44	000629-94-7	78
5	Tetracosane	338	C24H50	000646-31-1	72





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ClientSampleId : SB-P3WC-08(0-8)

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TIC Library : C:\DATABASE\NIST02.L
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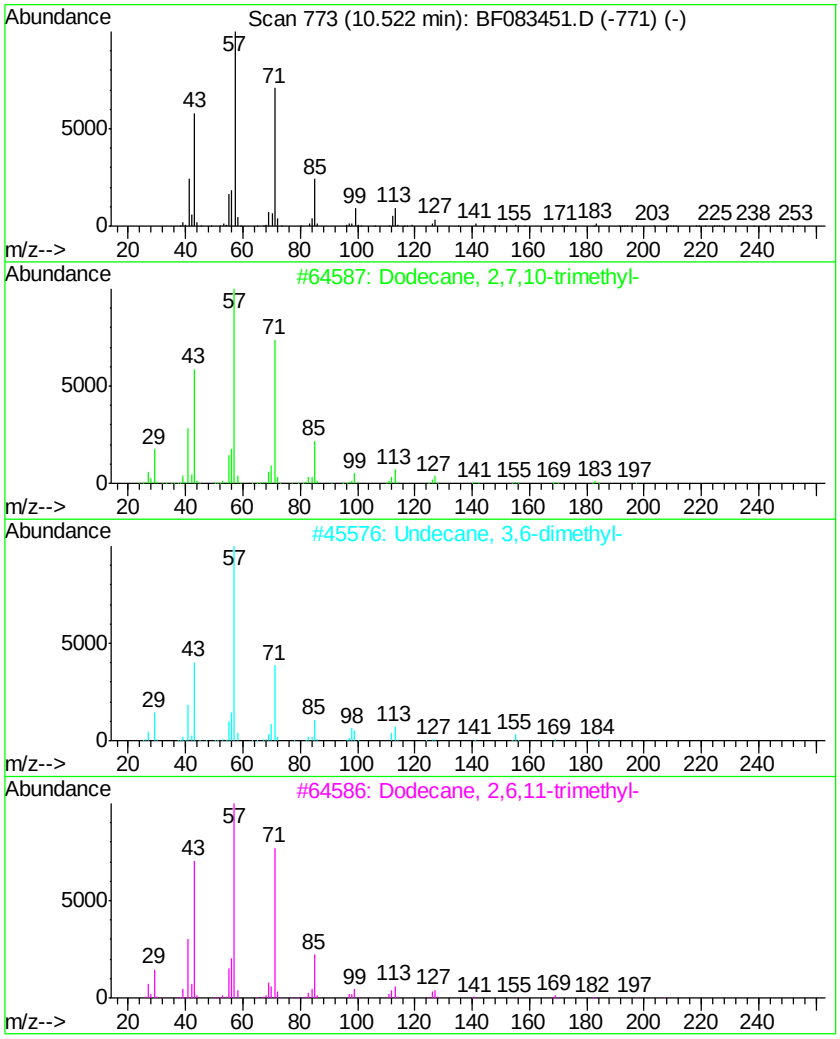
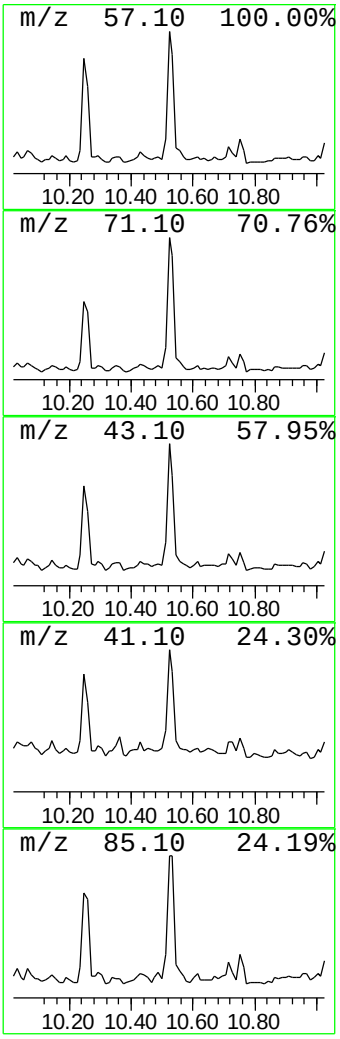
Peak Number 9 Dodecane, 2,7,10-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	44.52 ng	2957020	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	78
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78





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Sample : G4582-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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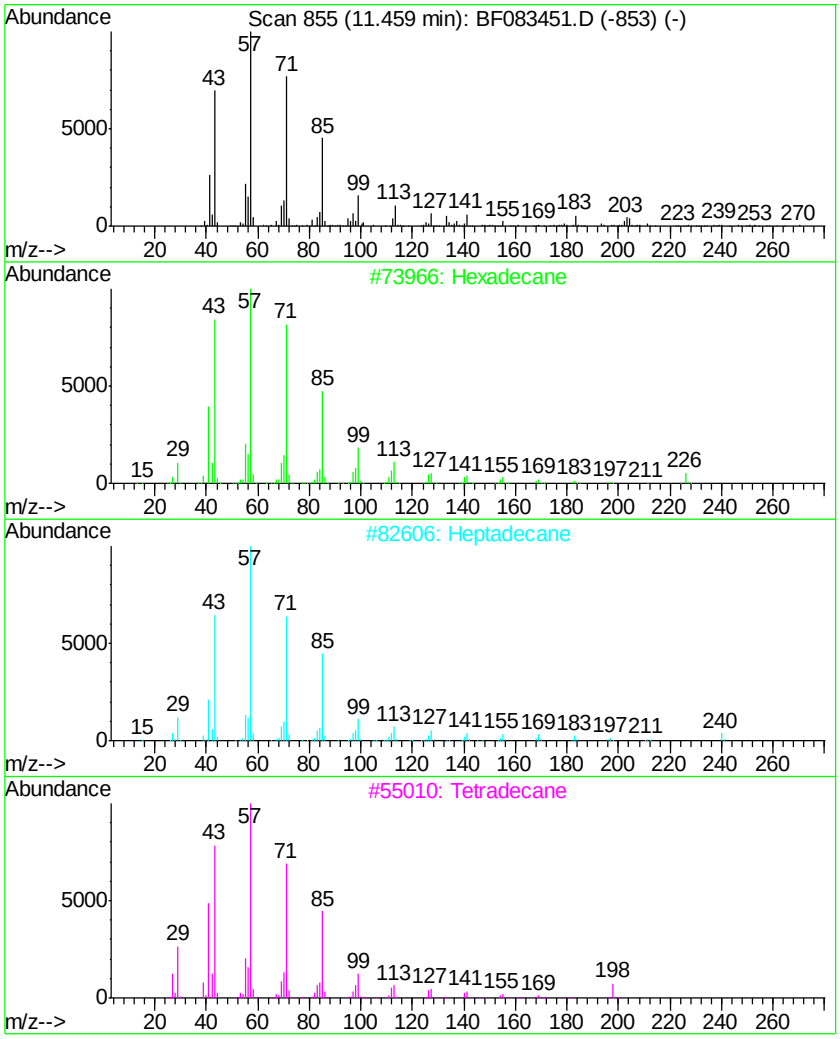
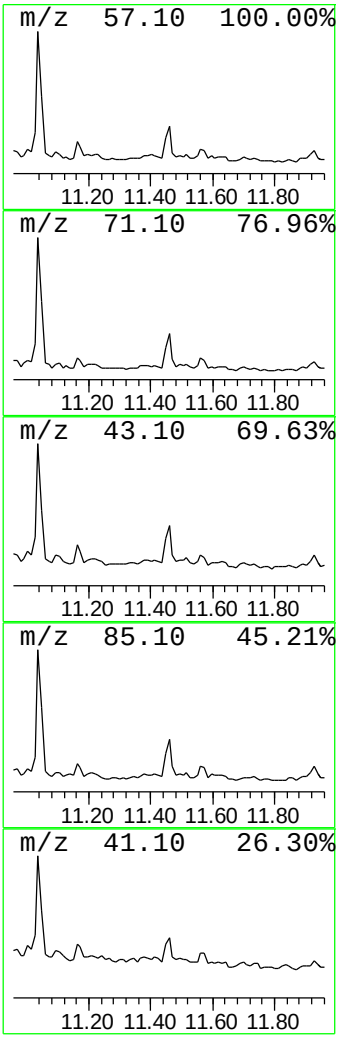
Peak Number 11 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	10.69 ng	709897	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
5	Tetracosane	338	C24H50	000646-31-1	87





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Sample : G4582-13 20X
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ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

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TIC Integration Parameters: LSCINT.P

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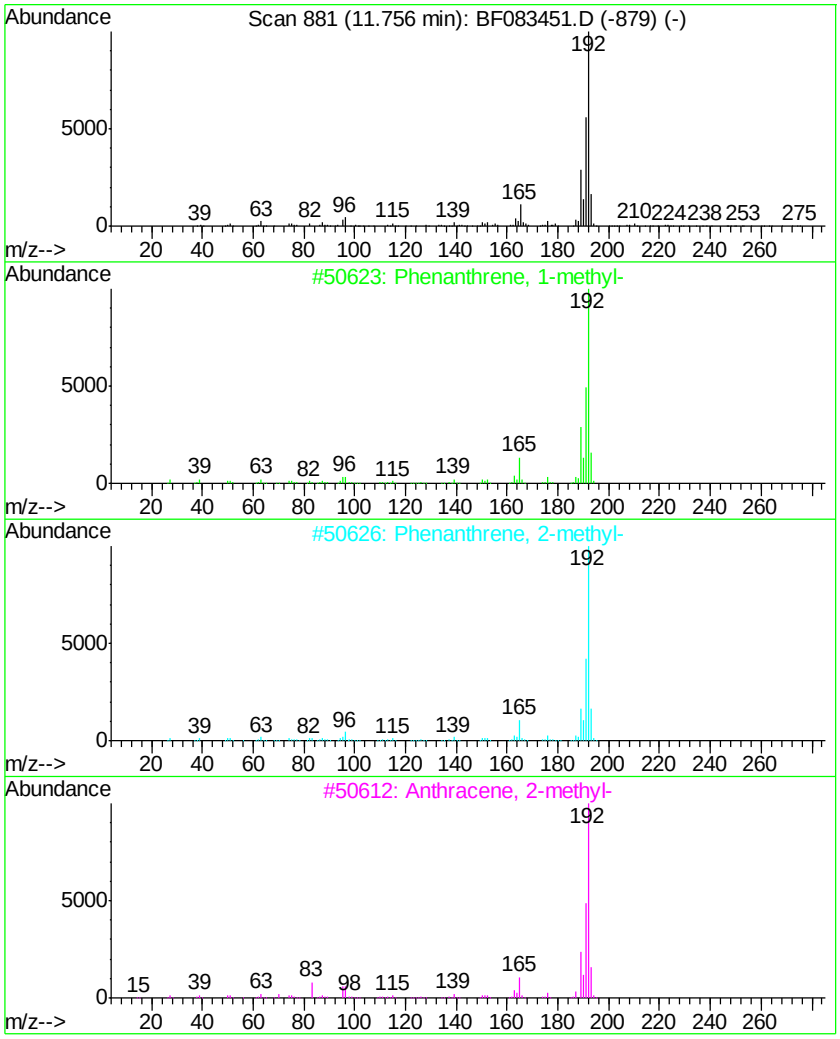
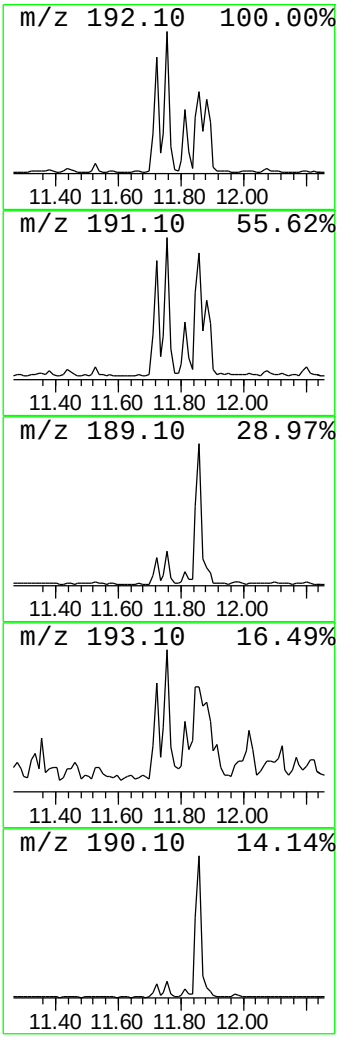
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	9.41 ng	624816	Phenanthrene-d10	11.12

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Sample : G4582-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
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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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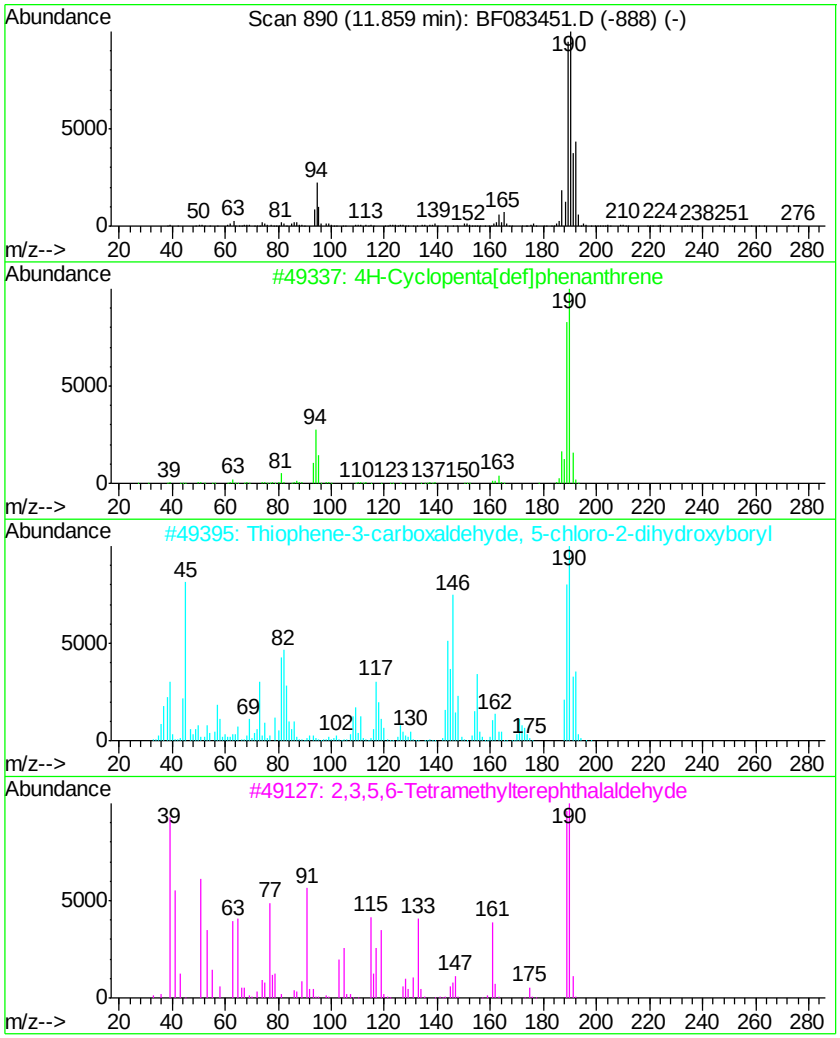
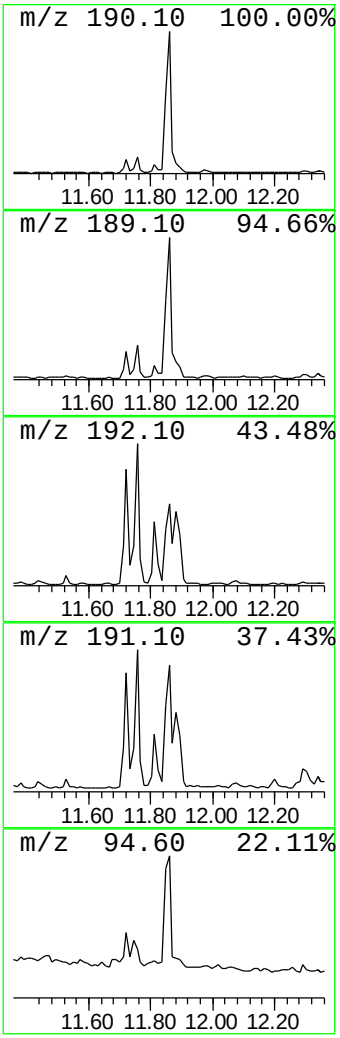
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	16.86 ng	1119950	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	36





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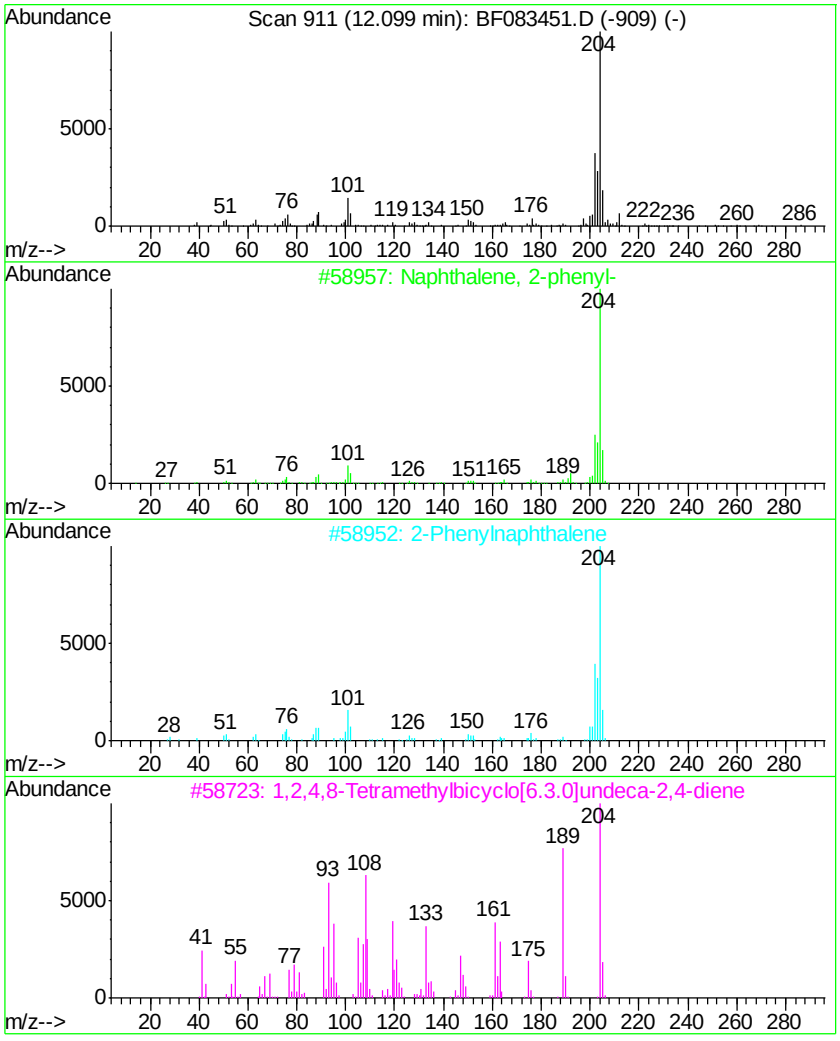
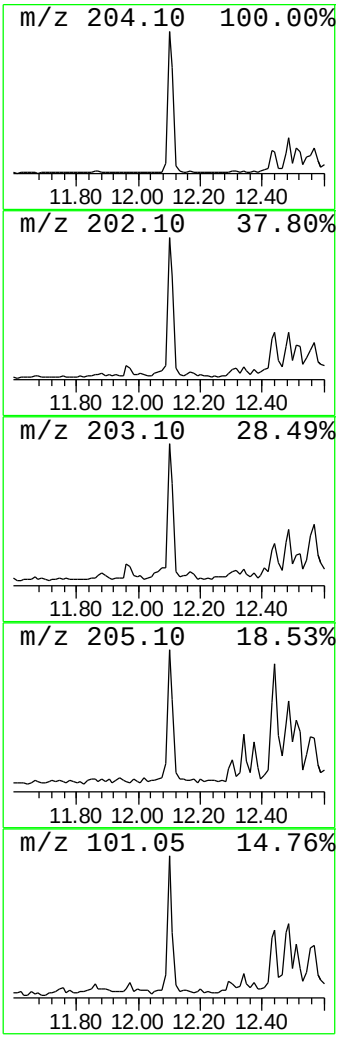
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	14.27 ng	947634	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	86
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83





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ClientSampleId : SB-P3WC-08(0-8)

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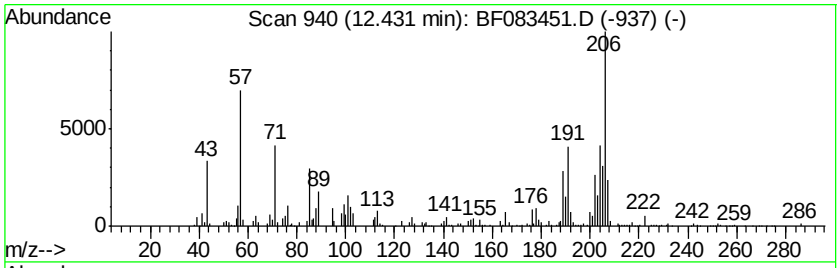
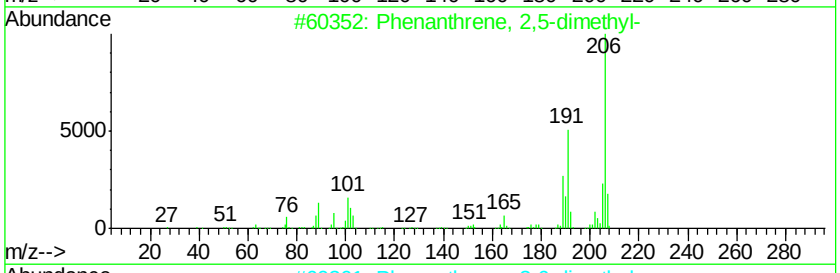
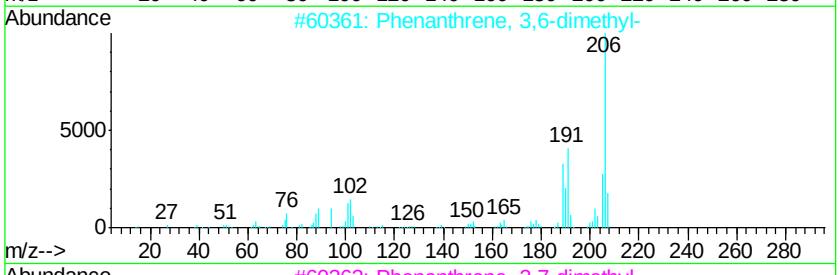
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

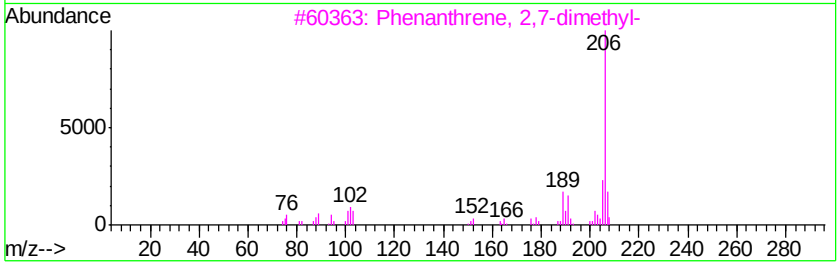
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	8.70 ng	577757	Phenanthrene-d10	11.12

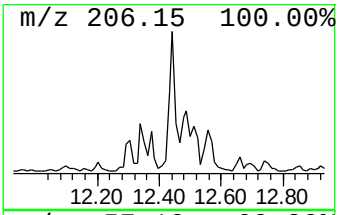
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	78
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	70
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70

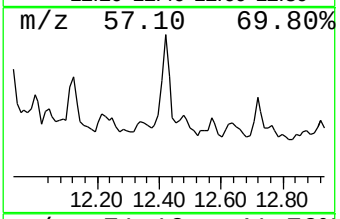


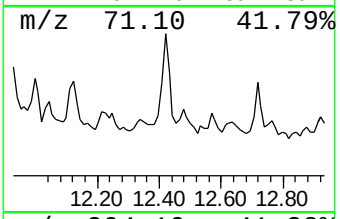


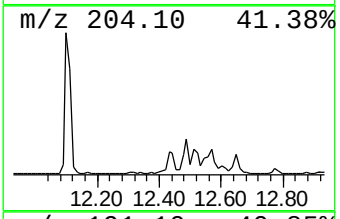


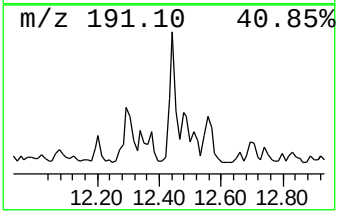












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Misc :
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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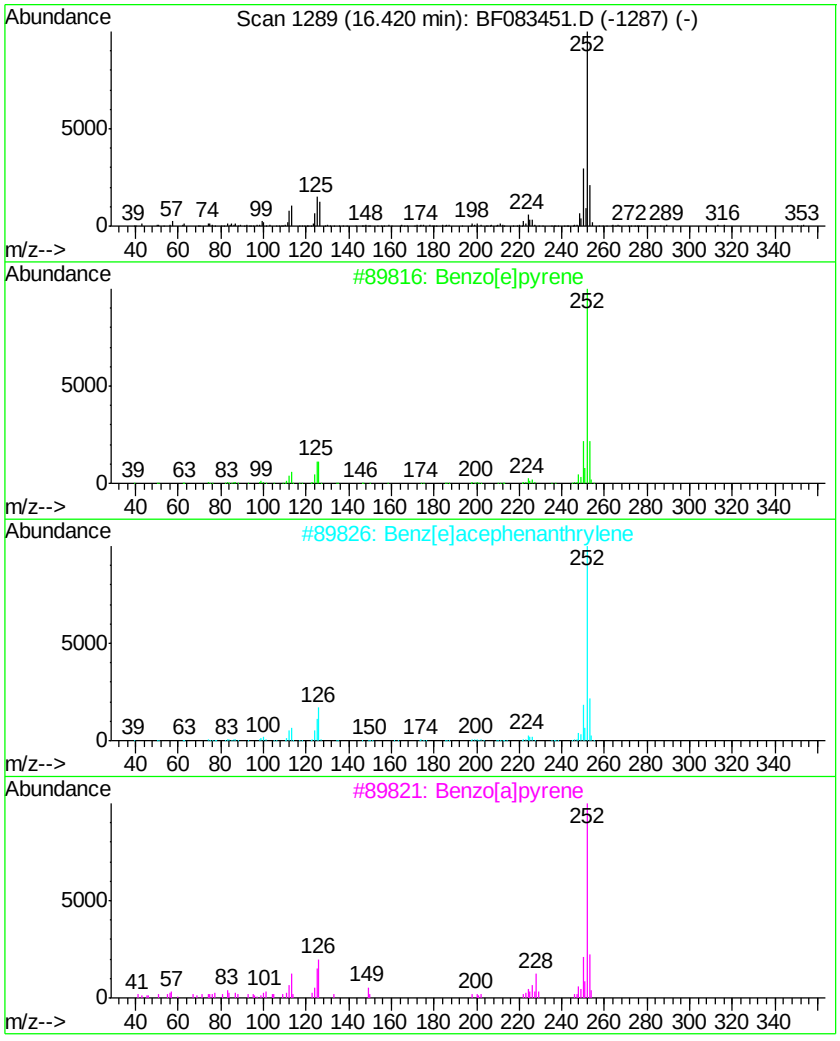
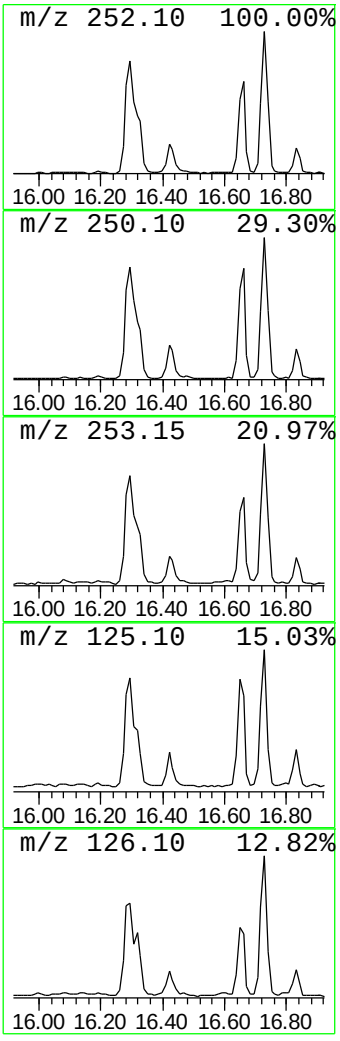
Peak Number 17 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	7.74 ng	309694	Perylene-d12	16.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	90





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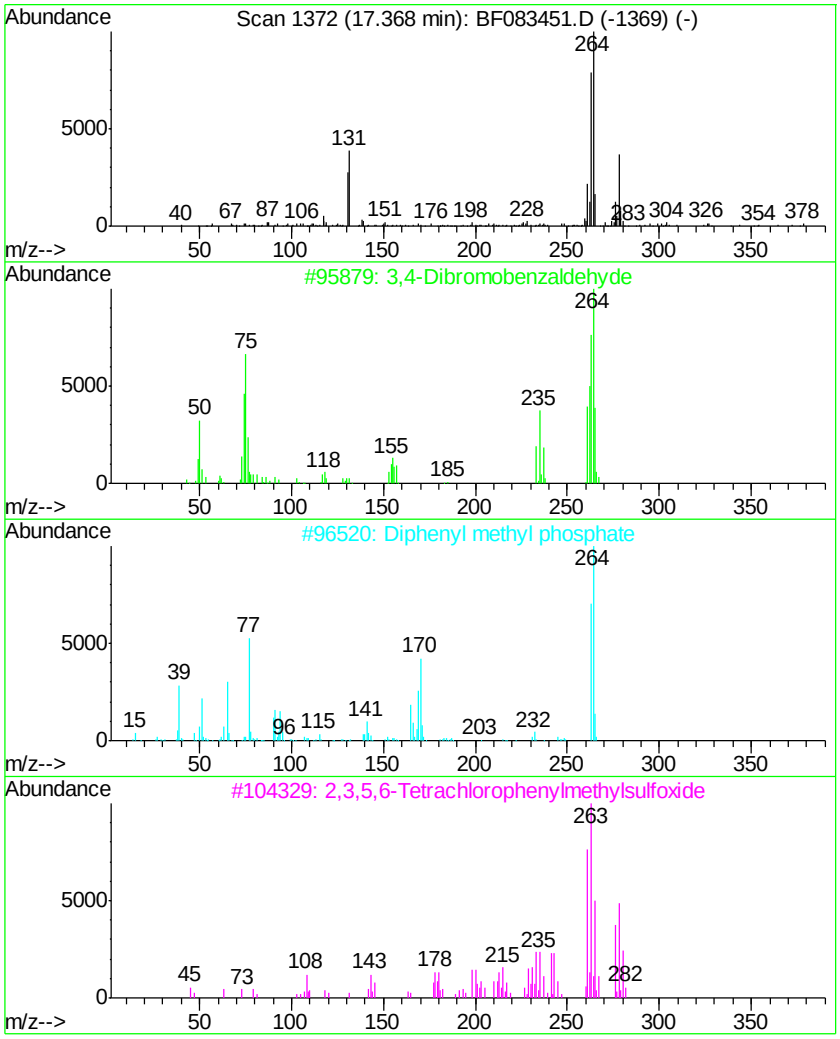
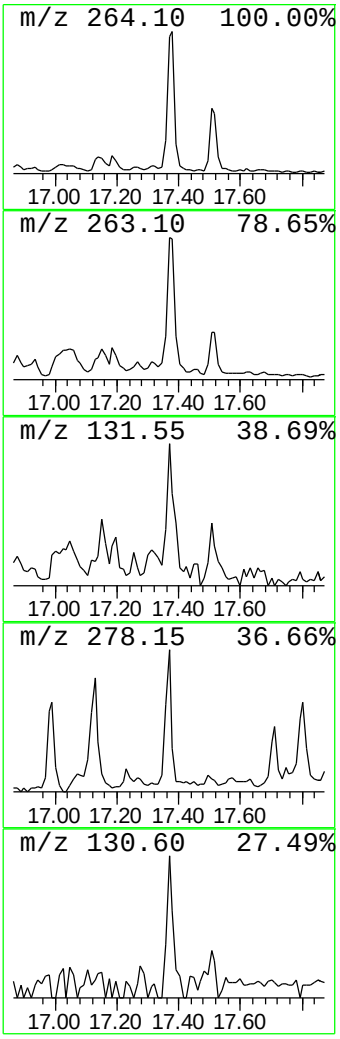
Peak Number 19 3,4-Dibromobenzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	8.52 ng	341168	Perylene-d12	16.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	52
2	Diphenyl methyl phosphate	264	C13H13O4P	000115-89-9	46
3	2,3,5,6-Tetrachlorophenylmethyls...	276	C7H4Cl4OS	107409-52-9	27
4	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	27
5	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083451.D
Acq On : 3 Dec 2015 8:56
Operator : UM/IZ
Sample : G4582-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(0-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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
Indane	6.72	16.0	ng	641931	1	6.53	800367	20.0
Naphthalene, 1-et...	9.09	9.1	ng	752527	3	9.57	1660880	20.0
Naphthalene, 1,6-...	9.17	8.1	ng	670912	3	9.57	1660880	20.0
Eicosane	9.32	17.8	ng	1475430	3	9.57	1660880	20.0
Dodecane	9.79	15.4	ng	1276930	3	9.57	1660880	20.0
Tetracosane	9.86	7.8	ng	649911	3	9.57	1660880	20.0
unknown10.03	10.03	6.8	ng	563208	3	9.57	1660880	20.0
Undecane, 3,5-dim...	10.25	23.1	ng	1918310	3	9.57	1660880	20.0
Dodecane, 2,7,10-...	10.52	44.5	ng	2957020	4	11.12	1328270	20.0
Hexadecane	11.46	10.7	ng	709897	4	11.12	1328270	20.0
Phenanthrene, 1-m...	11.76	9.4	ng	624816	4	11.12	1328270	20.0
4H-Cyclopenta[def...	11.86	16.9	ng	1119950	4	11.12	1328270	20.0
Naphthalene, 2-ph...	12.10	14.3	ng	947634	4	11.12	1328270	20.0
Phenanthrene, 2,5...	12.43	8.7	ng	577757	4	11.12	1328270	20.0
Benzo[e]pyrene	16.42	7.7	ng	309694	6	16.80	800682	20.0
3,4-Dibromobenzal...	17.37	8.5	ng	341168	6	16.80	800682	20.0