LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083038.D
Acq On : 19 Nov 2015 5:43
Operator : UM/IZ
Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

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-BF110715.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	4.898	242	246	248	rBV	1241809	2138263	47.30%	2.478%
2	5.344	283	285	288	rBV	3575770	3544177	78.41%	4.107%
3	5.664	312	313	316	rVV	361998	503825	11.15%	0.584%
4	6.396	374	377	379	rBV	3736743	3979261	88.03%	4.611%
5	6.510	385	387	389	rVB	4376609	3904242	86.37%	4.524%
6	6.579	389	393	395	rVB2	144546	267048	5.91%	0.309%
7	6.727	404	406	408	rBV	551767	715762	15.83%	0.829%
8	6.887	418	420	423	rVV	2510119	2905812	64.29%	3.367%
9	7.299	453	456	458	rVV	2387390	2326876	51.48%	2.696%
10	7.356	458	461	462	rVB	122231	154168	3.41%	0.179%
11	7.767	494	497	501	rBV4	66938	170920	3.78%	0.198%
12	8.019	517	519	523	rVV2	1191686	1386921	30.68%	1.607%
13	8.739	579	582	584	rVB	245105	294300	6.51%	0.341%
14	8.830	589	590	592	rVB	226381	178674	3.95%	0.207%
15	9.105	611	614	616	rVB	4115928	3958711	87.58%	4.588%
16	9.196	616	622	624	rBV	190091	202929	4.49%	0.235%
17	9.356	633	636	639	rBV	123565	191600	4.24%	0.222%
18	9.436	640	643	644	rBV	219779	234635	5.19%	0.272%
19	9.493	646	648	651	rVV	920977	882996	19.53%	1.023%
20	9.630	658	660	663	rVB	611316	514539	11.38%	0.596%
21	9.768	670	672	674	rBV	830482	1044577	23.11%	1.211%
22	9.802	674	675	680	rVB	333422	321147	7.10%	0.372%
23	9.973	688	690	692	rBV	318307	289613	6.41%	0.336%
24	10.088	698	700	702	rBV3	89595	152056	3.36%	0.176%
25	10.179	706	708	710	rBV3	90068	142860	3.16%	0.166%
26	10.225	710	712	713	rVB	164867	159168	3.52%	0.184%
27	10.316	718	720	722	rBV	370935	319141	7.06%	0.370%
28	10.476	733	734	737	rVB2	192316	203457	4.50%	0.236%
29	10.556	739	741	743	rVB	1831303	1962662	43.42%	2.274%
30	10.693	750	753	758	rVB3	251569	440852	9.75%	0.511%
31	10.865	765	768	769	rBV2	108053	162662	3.60%	0.189%
32	11.013	777	781	783	rBV4	139268	292012	6.46%	0.338%
33	11.059	783	785	787	rVB	256875	266095	5.89%	0.308%
34	11.105	787	789	791	rBV2	134584	170415	3.77%	0.197%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083038.D
Acq On : 19 Nov 2015 5:43
Operator : UM/IZ
Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

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-BF110715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.139	791	792	796	rVB2	317956	432450	9.57%	0.501%
36	11.253	799	802	803	rBV	819168	949411	21.00%	1.100%
37	11.276	803	804	806	rVV	2790173	2408087	53.27%	2.791%
38	11.322	806	808	810	rVB	749247	1032205	22.84%	1.196%
39	11.356	810	811	813	rBV2	109914	150919	3.34%	0.175%
40	11.482	820	822	823	rBV	415506	315539	6.98%	0.366%
41	11.562	827	829	830	rVV2	100142	147748	3.27%	0.171%
42	11.756	843	846	847	rBV	479301	490503	10.85%	0.568%
43	11.779	847	848	851	rVB	596903	666492	14.74%	0.772%
44	11.825	851	852	854	rBV	308675	306253	6.78%	0.355%
45	11.859	854	855	860	rVB	545460	1044923	23.12%	1.211%
46	11.973	863	865	869	rVV5	141926	208598	4.61%	0.242%
47	12.053	869	872	876	rVB3	346972	677410	14.99%	0.785%
48	12.202	882	885	886	rBV	150994	197479	4.37%	0.229%
49	12.225	886	887	888	rVV	119774	142516	3.15%	0.165%
50	12.305	891	894	896	rBV	428143	616080	13.63%	0.714%
51	12.339	896	897	898	rVV	228160	227306	5.03%	0.263%
52	12.385	900	901	905	rVV2	343252	449261	9.94%	0.521%
53	12.476	905	909	911	rVV	3070053	4520199	100.00%	5.238%
54	12.522	911	913	915	rVV3	110242	228098	5.05%	0.264%
55	12.556	915	916	918	rVB	235051	175086	3.87%	0.203%
56	12.602	918	920	925	rBV3	194026	451147	9.98%	0.523%
57	12.694	925	928	930	rBV	3049552	4430435	98.01%	5.134%
58	12.739	930	932	936	rVB3	287733	510011	11.28%	0.591%
59	12.808	936	938	939	rBV	322654	307763	6.81%	0.357%
60	12.842	939	941	944	rVB	2788122	2650433	58.64%	3.071%
61	12.911	944	947	951	rBV3	427823	866337	19.17%	1.004%
62	13.025	953	957	958	rVB2	509991	1172766	25.95%	1.359%
63	13.059	958	960	961	rBV2	93152	161528	3.57%	0.187%
64	13.082	961	962	964	rBV	334095	396873	8.78%	0.460%
65	13.128	964	966	967	rVV	500654	668201	14.78%	0.774%
66	13.219	972	974	975	rVB	257854	297953	6.59%	0.345%
67	13.242	975	976	979	rBV2	294431	372680	8.24%	0.432%
68	13.425	988	992	995	rBV6	239030	684479	15.14%	0.793%
69	13.528	998	1001	1003	rVB	605781	741790	16.41%	0.860%
70	13.631	1008	1010	1012	rBV	532739	731684	16.19%	0.848%
71	13.665	1012	1013	1014	rVV	394556	334841	7.41%	0.388%

LSC Area Percent Report

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Data File : BF083038.D
Acq On : 19 Nov 2015 5:43
Operator : UM/IZ
Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

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-BF110715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.688	1014	1015	1018	rVV2	338491	459194	10.16%	0.532%
73	13.734	1018	1019	1020	rVB	508102	357213	7.90%	0.414%
74	13.882	1029	1032	1034	rBV2	2677439	4347442	96.18%	5.038%
75	13.916	1034	1035	1039	rVV	1942881	2009665	44.46%	2.329%
76	13.996	1039	1042	1044	rVV2	289716	496431	10.98%	0.575%
77	14.031	1044	1045	1046	rVV	182102	190282	4.21%	0.221%
78	14.076	1047	1049	1050	rVV2	215166	253224	5.60%	0.293%
79	14.111	1050	1052	1054	rVV2	186250	311064	6.88%	0.360%
80	14.237	1062	1063	1064	rBV	141051	138853	3.07%	0.161%
81	14.271	1064	1066	1068	rVV	433052	643443	14.23%	0.746%
82	14.305	1068	1069	1071	rVB2	278420	338228	7.48%	0.392%
83	14.362	1071	1074	1076	rBV4	181593	397373	8.79%	0.460%
84	14.397	1076	1077	1081	rVB3	294527	496102	10.98%	0.575%
85	14.579	1090	1093	1094	rBV	187428	275578	6.10%	0.319%
86	14.682	1100	1102	1104	rVB	144283	179269	3.97%	0.208%
87	14.739	1104	1107	1112	rBV2	186804	407128	9.01%	0.472%
88	14.899	1118	1121	1126	rBV	1649880	3634042	80.40%	4.211%
89	14.991	1128	1129	1132	rVB	313167	382047	8.45%	0.443%
90	15.174	1142	1145	1148	rVB	955301	1317366	29.14%	1.527%
91	15.231	1148	1150	1153	rBV	1164861	1507650	33.35%	1.747%
92	15.288	1153	1155	1156	rBV	372687	501146	11.09%	0.581%
93	15.722	1191	1193	1195	rBV	128632	195855	4.33%	0.227%
94	16.305	1242	1244	1252	rVB4	171847	419051	9.27%	0.486%
95	16.442	1253	1256	1257	rBV2	86132	183863	4.07%	0.213%
96	16.614	1267	1271	1276	rVB	497359	939086	20.78%	1.088%
97	16.762	1282	1284	1286	rBV	89278	150914	3.34%	0.175%
98	16.808	1286	1288	1295	rVB4	100522	300360	6.64%	0.348%
99	17.014	1302	1306	1310	rVB	334915	723493	16.01%	0.838%
100	17.208	1321	1323	1329	rVB2	86026	189261	4.19%	0.219%

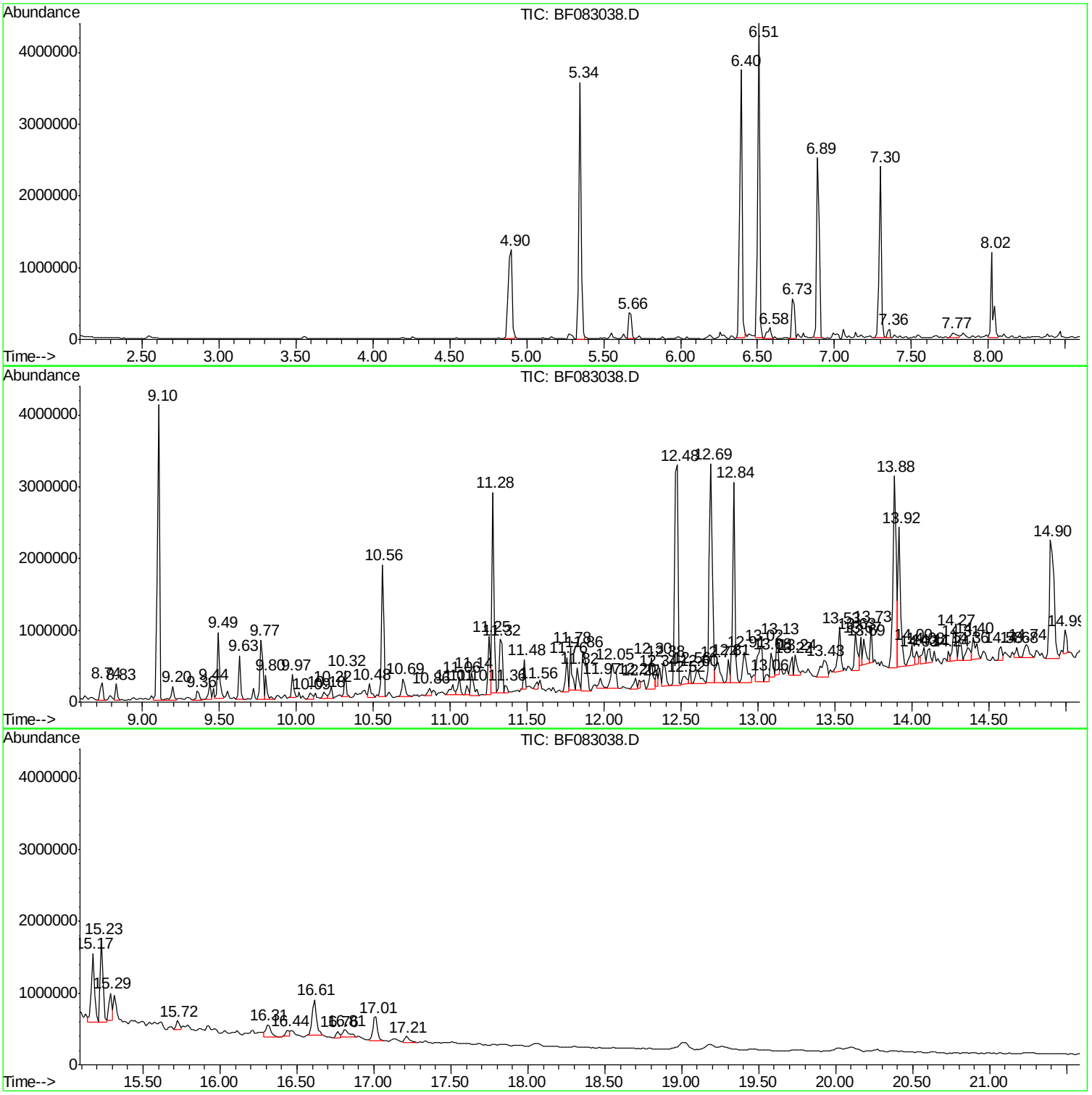
Sum of corrected areas: 86292483

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083038.D
Acq On : 19 Nov 2015 5:43
Operator : UM/IZ
Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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\BF111815\
Data File : BF083038.D
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

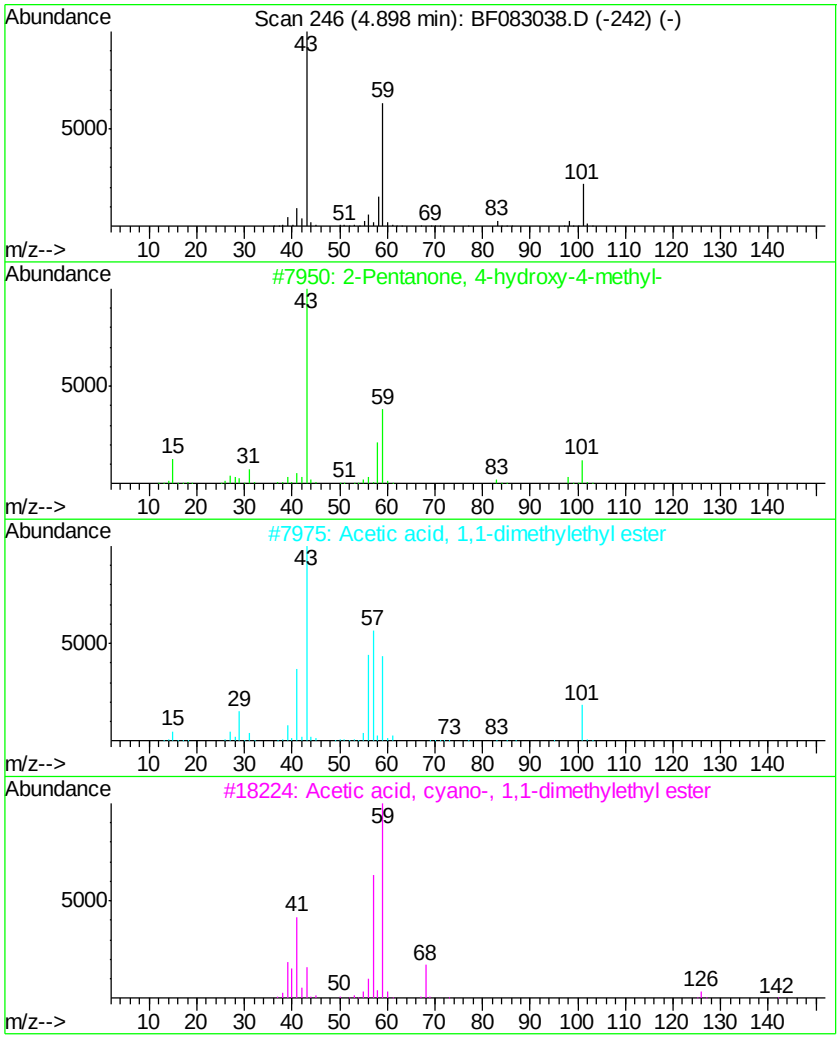
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

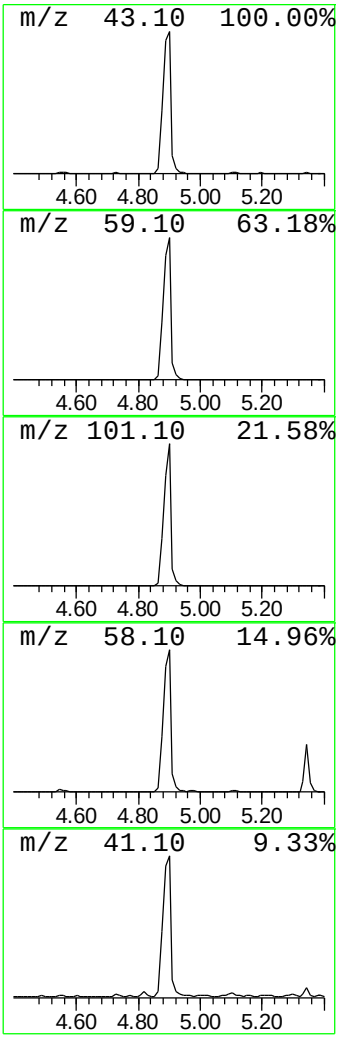
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	59.75 ng	2138260	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083038.D
Acq On : 19 Nov 2015 5:43
Operator : UM/IZ
Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

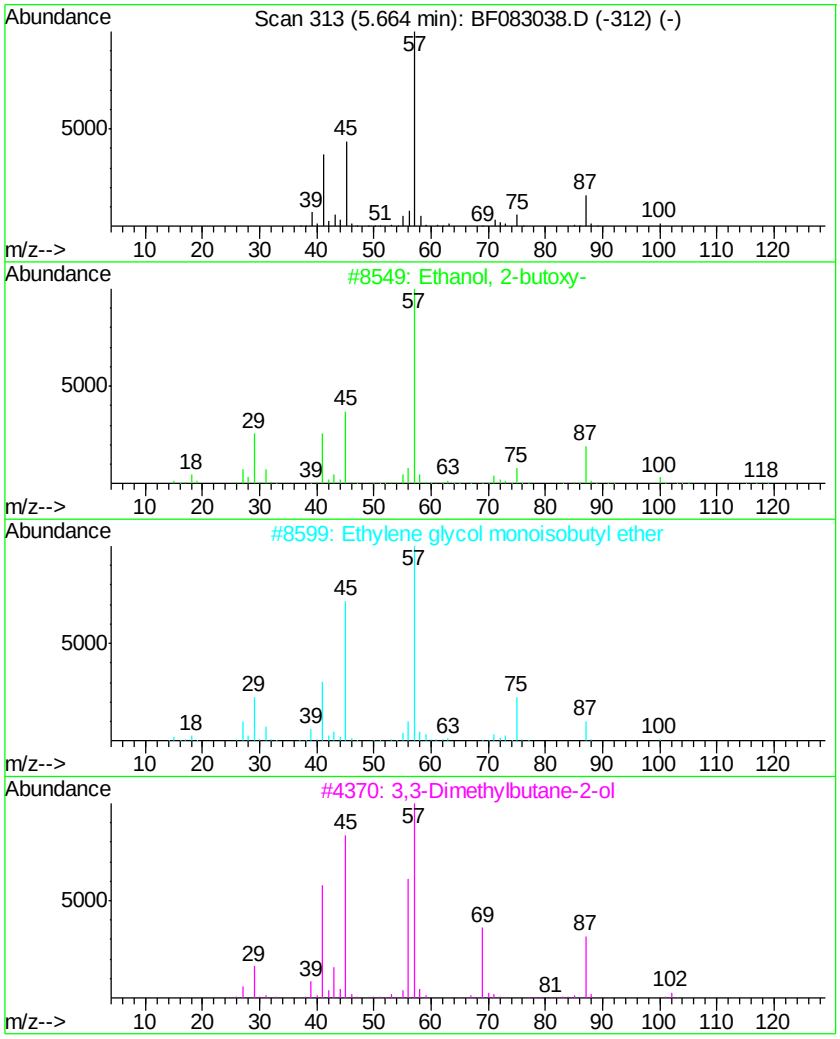
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

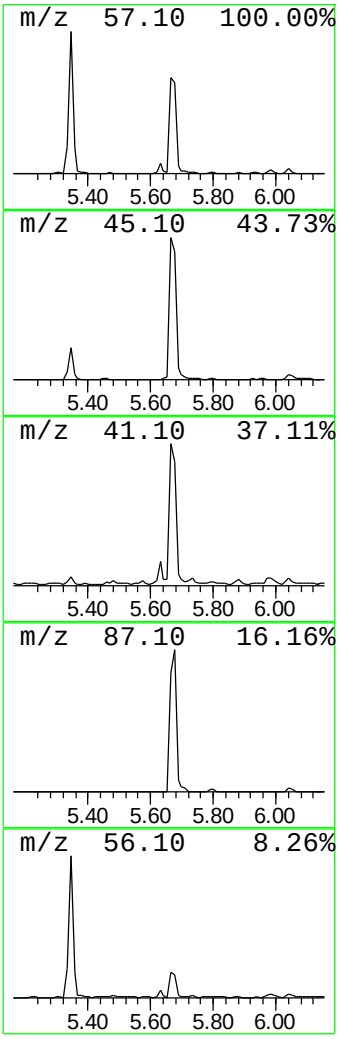
****

Peak Number 2 Ethanol, 2-butoxy- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.66	14.08 ng	503825	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	53
2	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	39
3	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	36
4	n-Butyl ether	130	C8H18O	000142-96-1	16
5	1,3-Propanediol, 2-methyl-, dipr...	202	C10H18O4	054932-83-1	12





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083038.D
Acq On : 19 Nov 2015 5:43
Operator : UM/IZ
Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

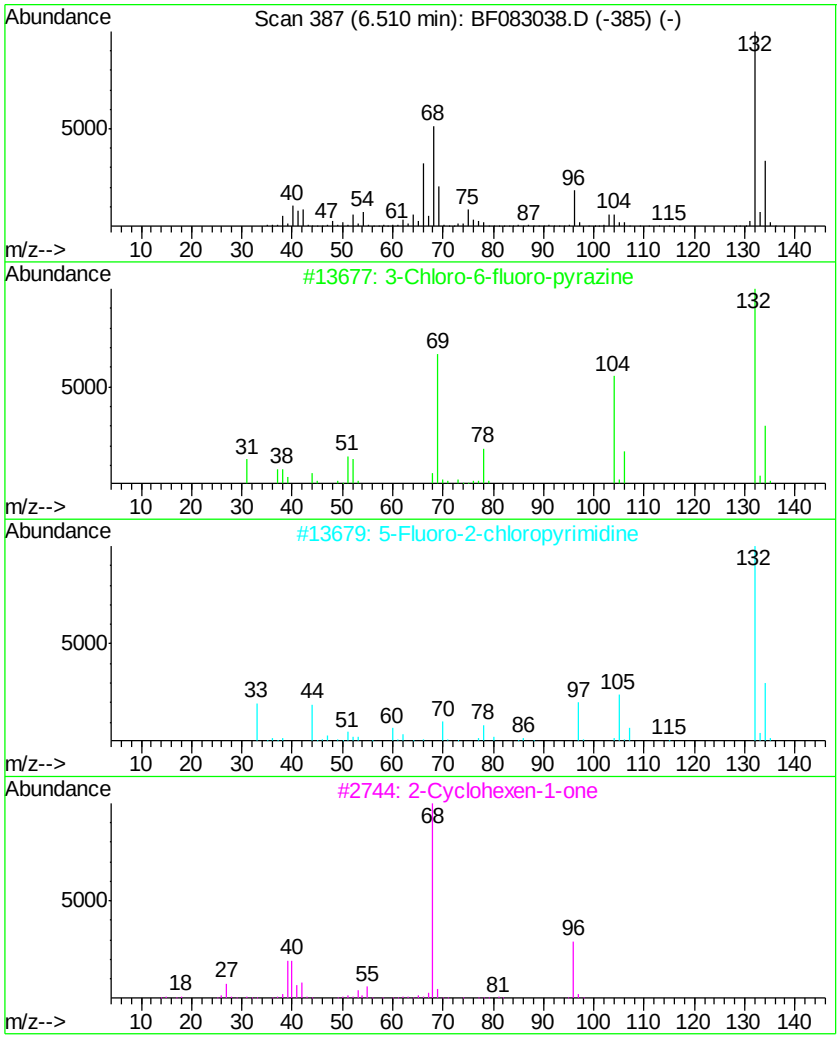
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

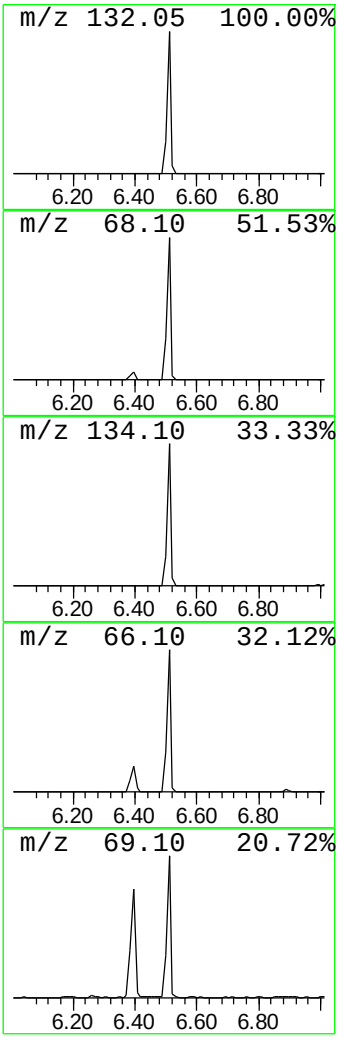
****

Peak Number 3 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	109.09 ng	3904240	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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Acq On : 19 Nov 2015 5:43
Operator : UM/IZ
Sample : G4436-07
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Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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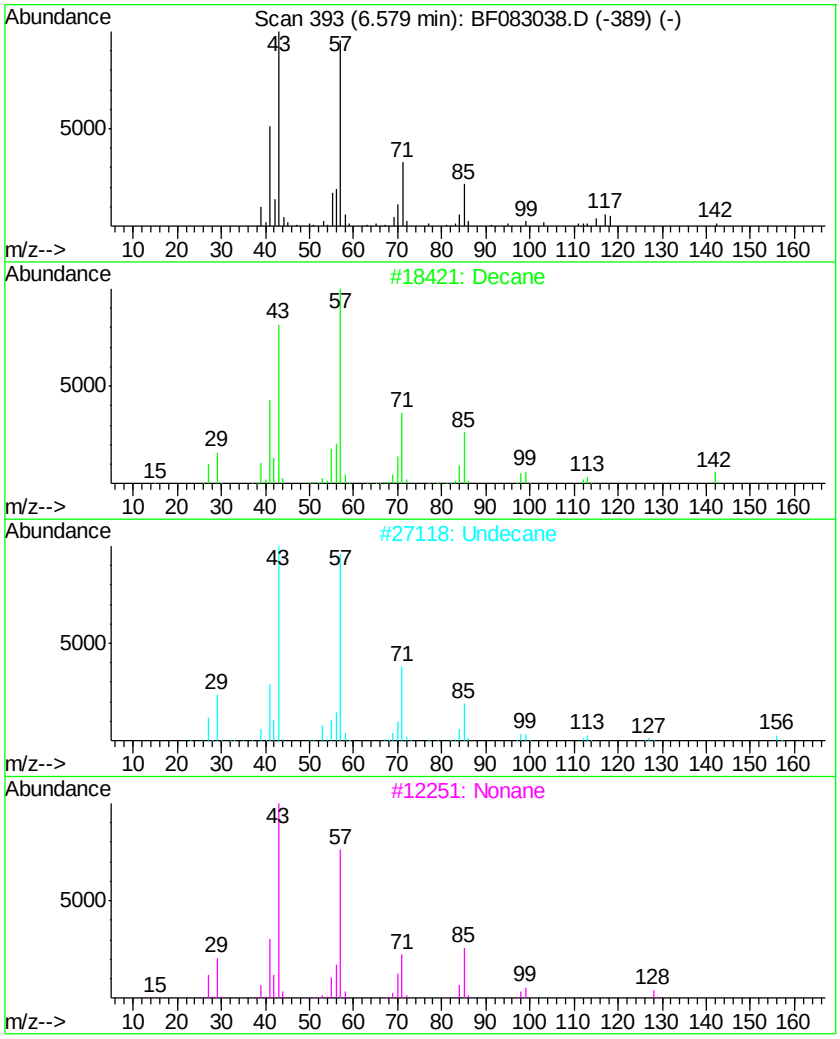
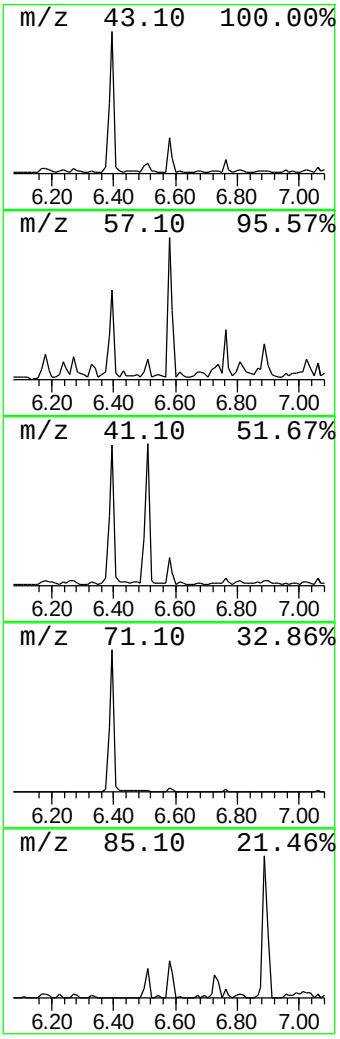
Peak Number 4 Decane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	7.46 ng	267048	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	87
2	Undecane	156	C11H24	001120-21-4	78
3	Nonane	128	C9H20	000111-84-2	78
4	Hexatriacontane	507	C36H74	000630-06-8	78
5	Hexadecane	226	C16H34	000544-76-3	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083038.D
Acq On : 19 Nov 2015 5:43
Operator : UM/IZ
Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

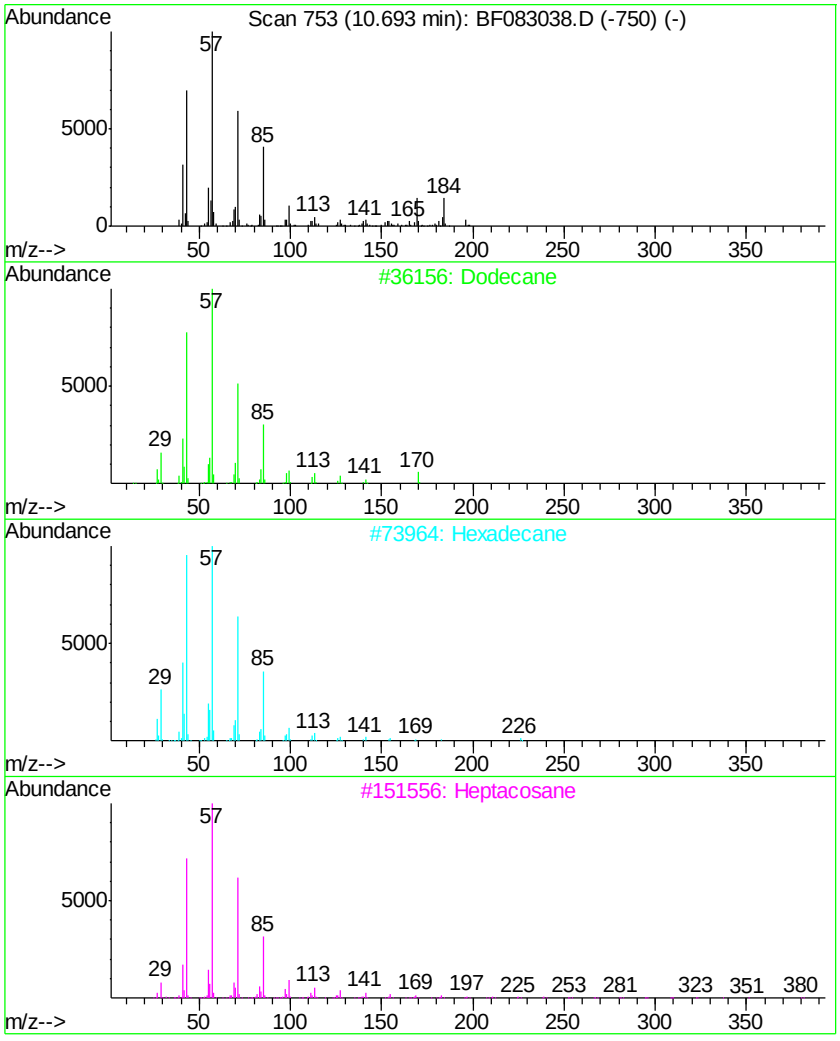
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

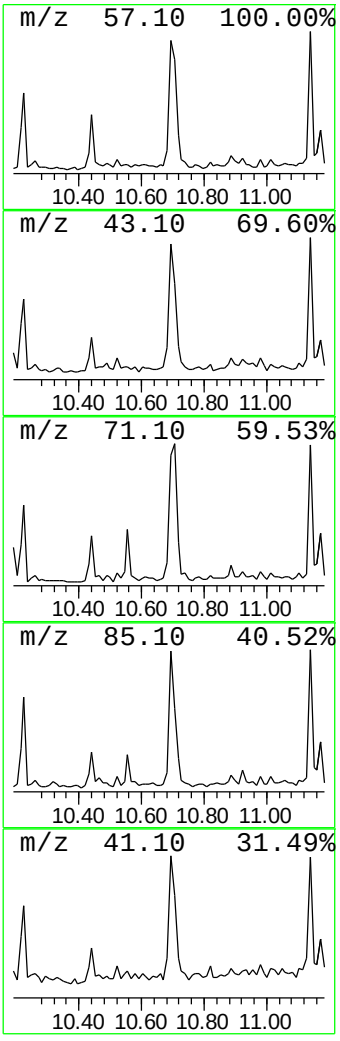
****

Peak Number 6 Dodecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	9.29 ng	440852	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	68
2	Hexadecane	226	C16H34	000544-76-3	64
3	Heptacosane	380	C27H56	000593-49-7	64
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	64
5	2,6-Dimethyldecane	170	C12H26	013150-81-7	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083038.D
Acq On : 19 Nov 2015 5:43
Operator : UM/IZ
Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

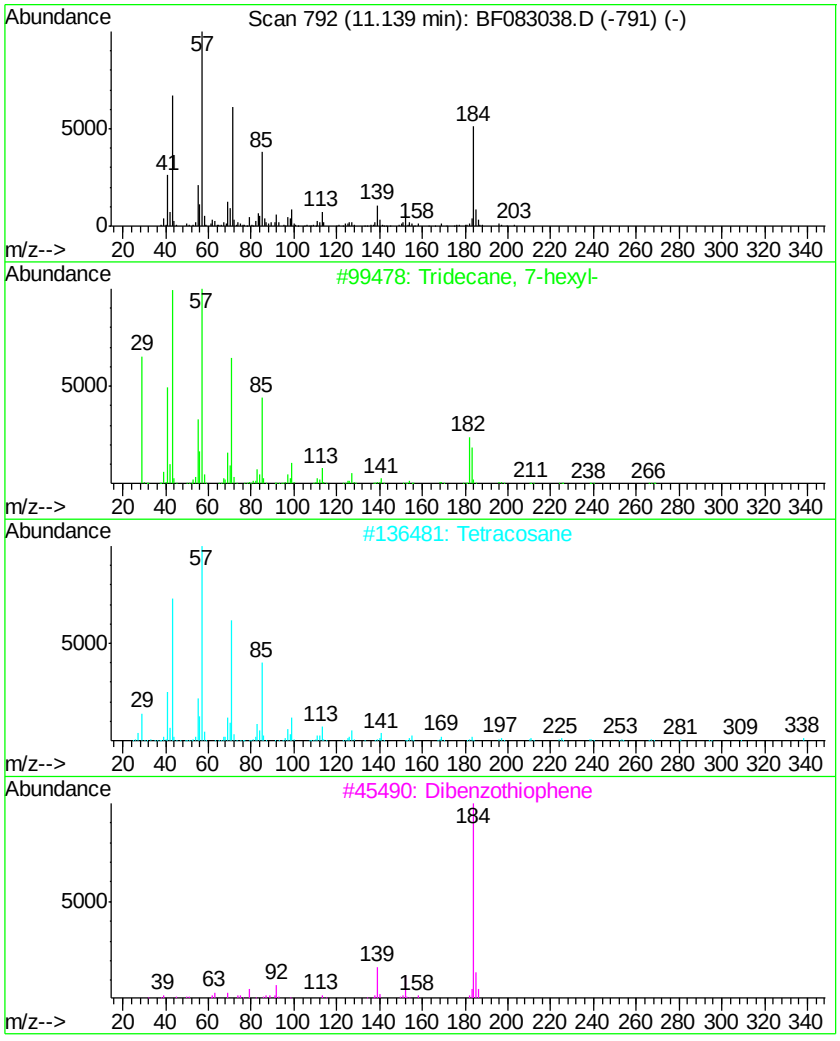
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

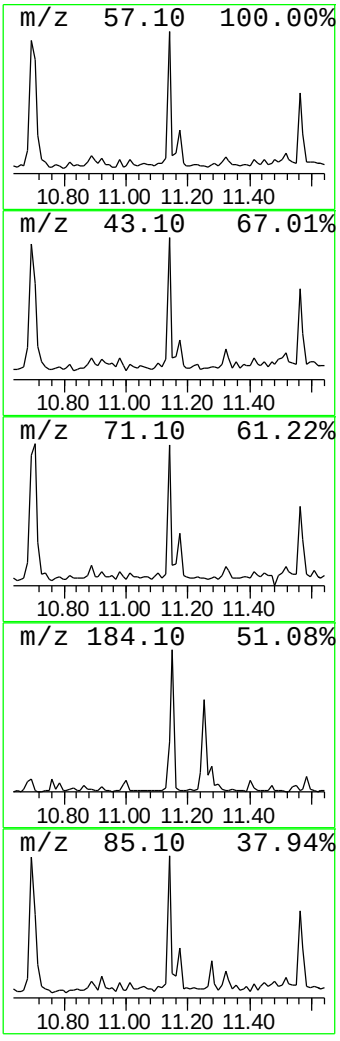
****

Peak Number 7 unknown11.14 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	9.11 ng	432450	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	46
2	Tetracosane	338	C24H50	000646-31-1	46
3	Dibenzothiophene	184	C12H8S	000132-65-0	46
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	46
5	Eicosane	282	C20H42	000112-95-8	45





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Data File : BF083038.D
Acq On : 19 Nov 2015 5:43
Operator : UM/IZ
Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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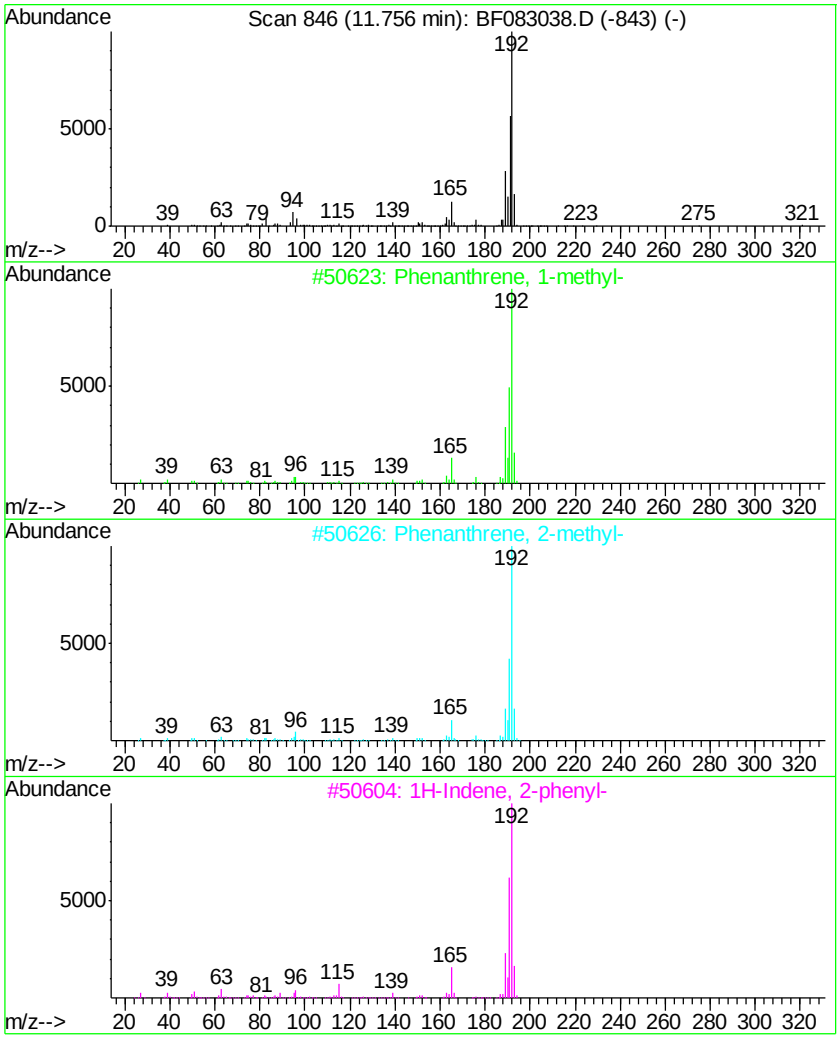
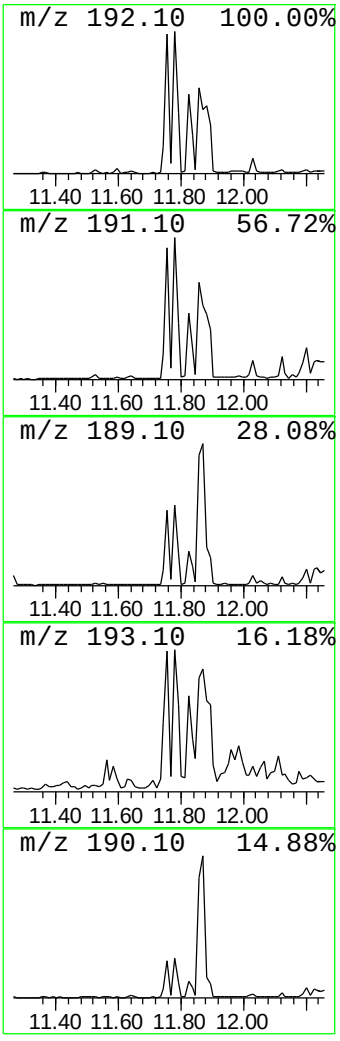
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	10.33 ng	490503	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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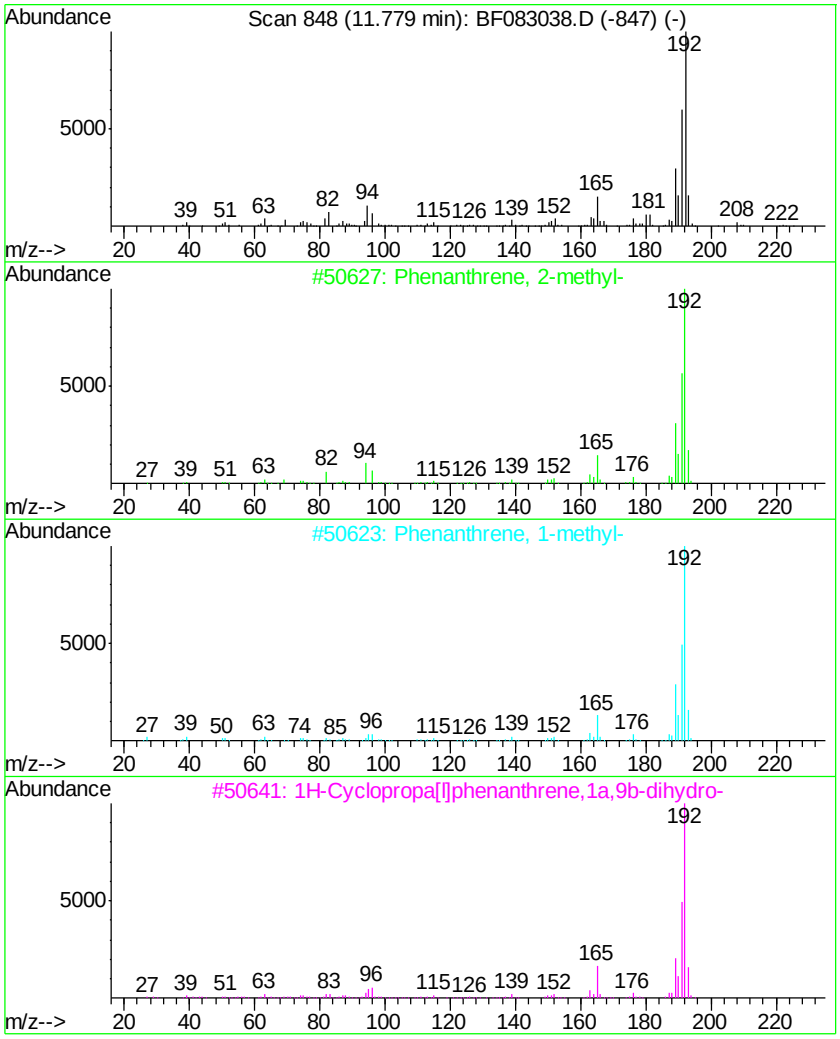
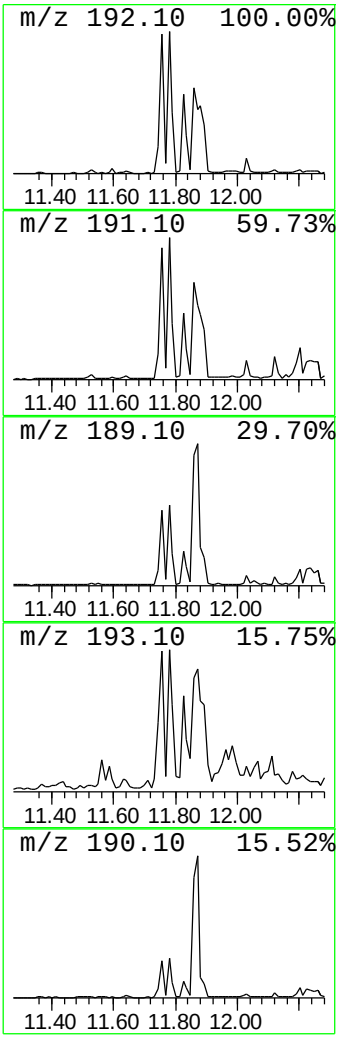
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	14.04 ng	666492	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Acq On : 19 Nov 2015 5:43
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Sample : G4436-07
Misc :
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Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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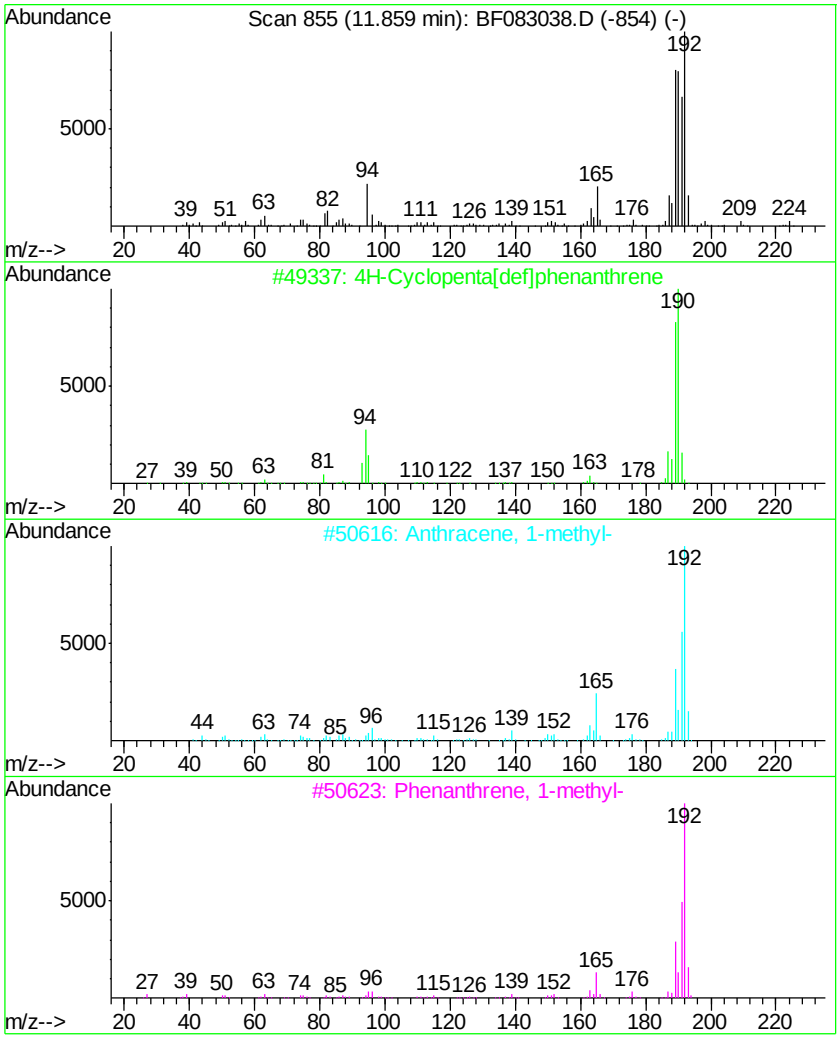
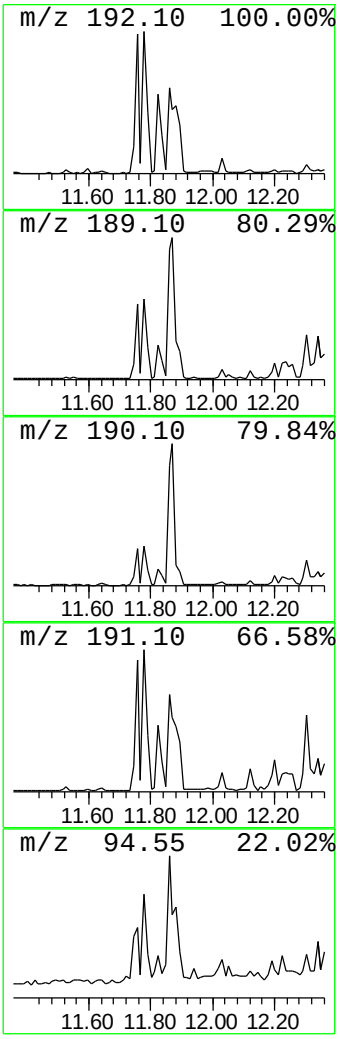
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	22.01 ng	1044920	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46





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Acq On : 19 Nov 2015 5:43
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Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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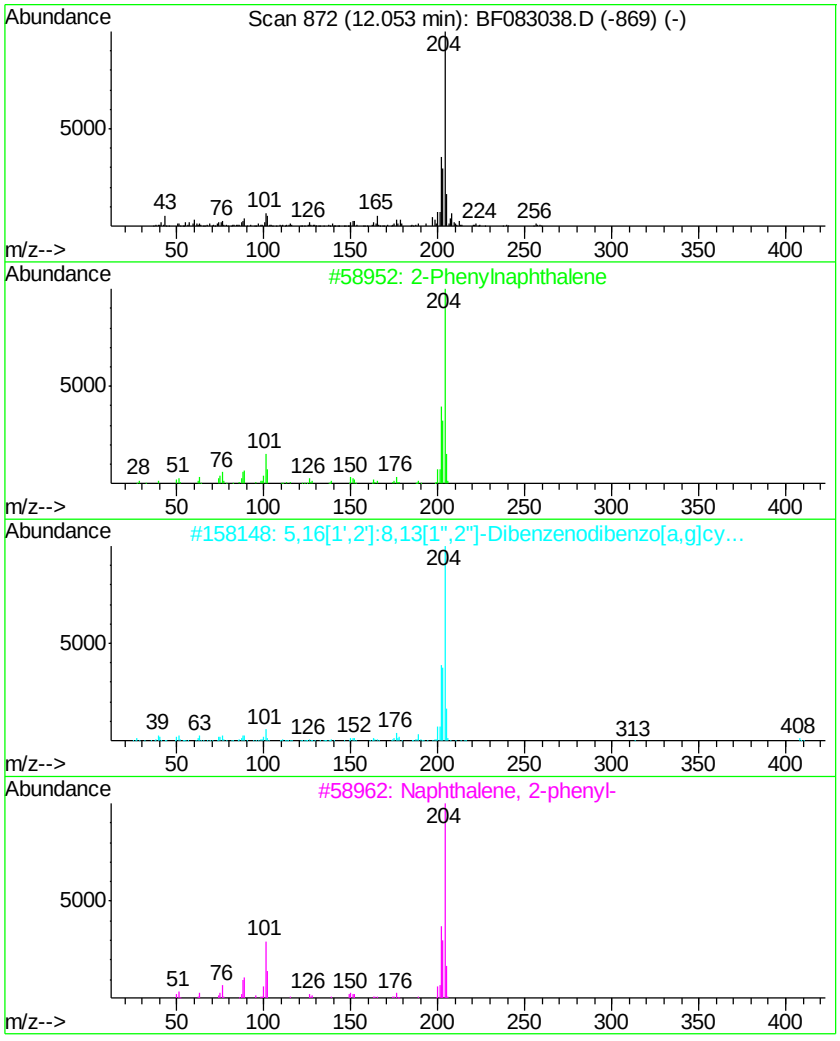
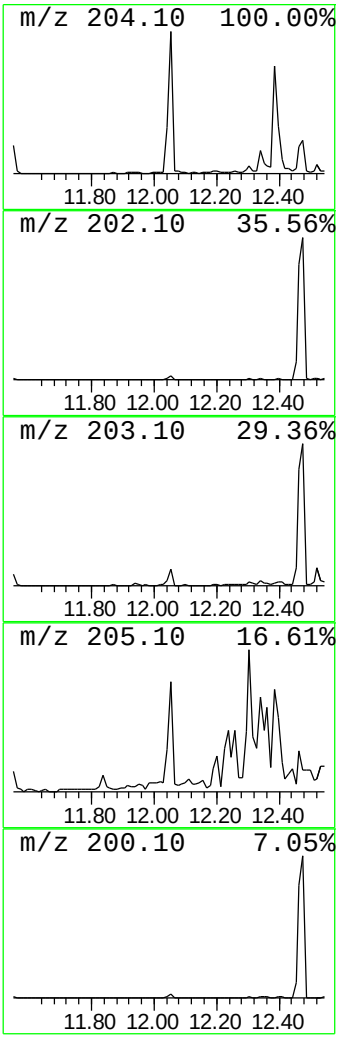
Peak Number 11 2-Phenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	14.27 ng	677410	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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Acq On : 19 Nov 2015 5:43
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Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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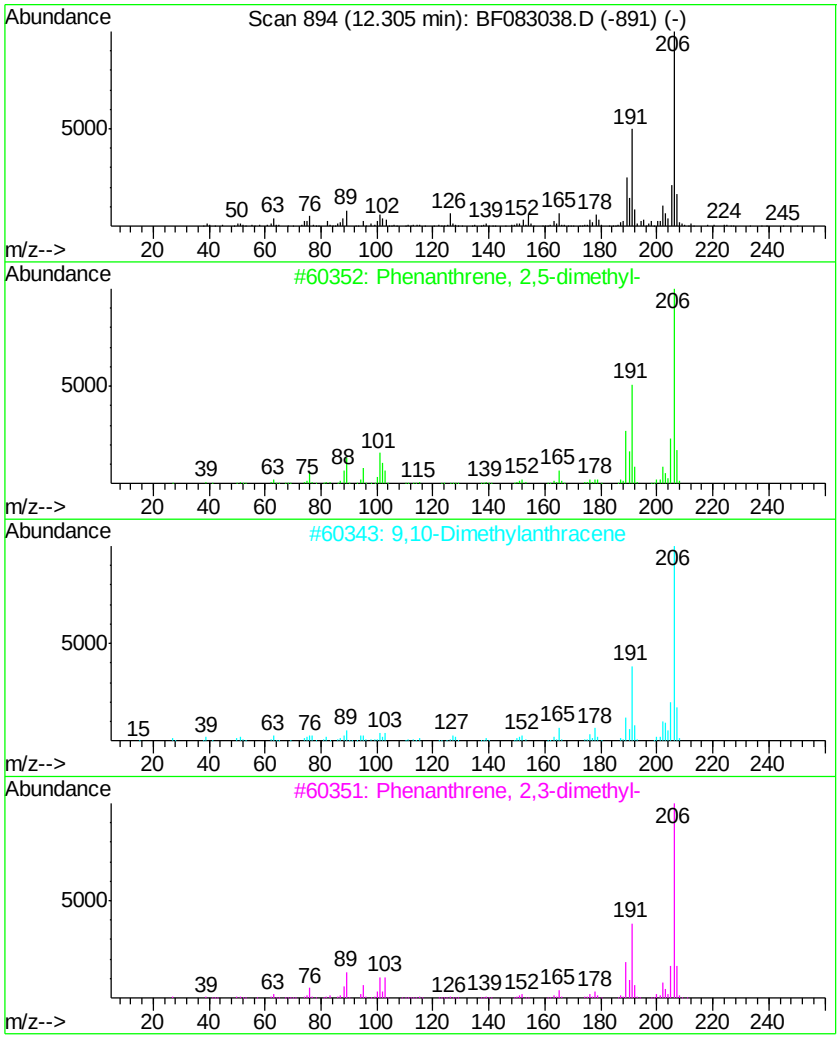
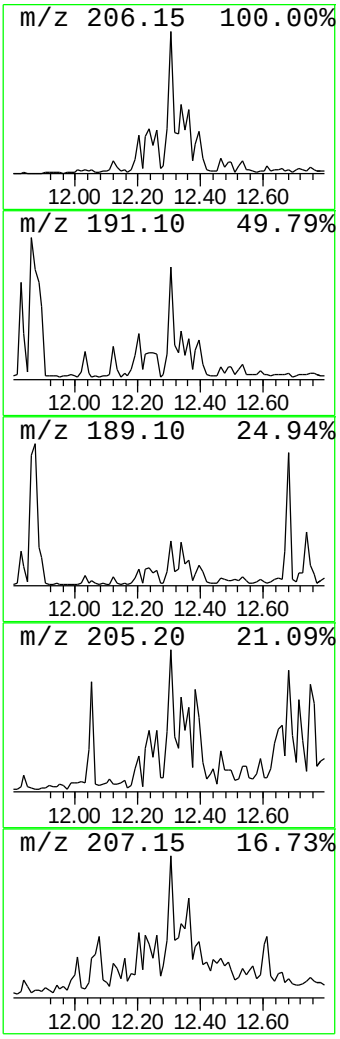
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	12.98 ng	616080	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





Library Search Compound Report

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Data File : BF083038.D
Acq On : 19 Nov 2015 5:43
Operator : UM/IZ
Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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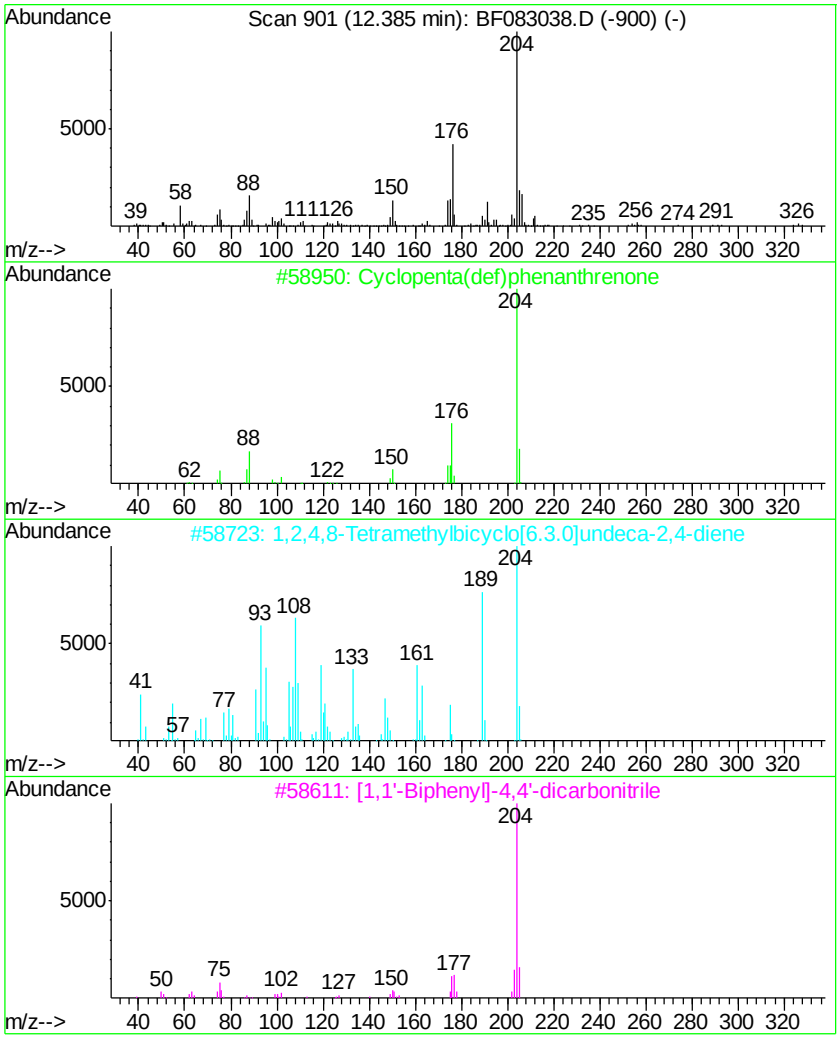
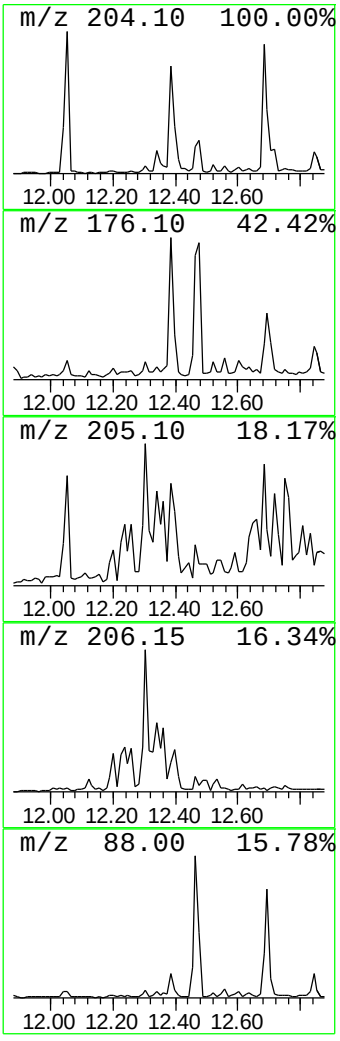
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	9.46 ng	449261	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
4	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	42
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40





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Sample : G4436-07
Misc :
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Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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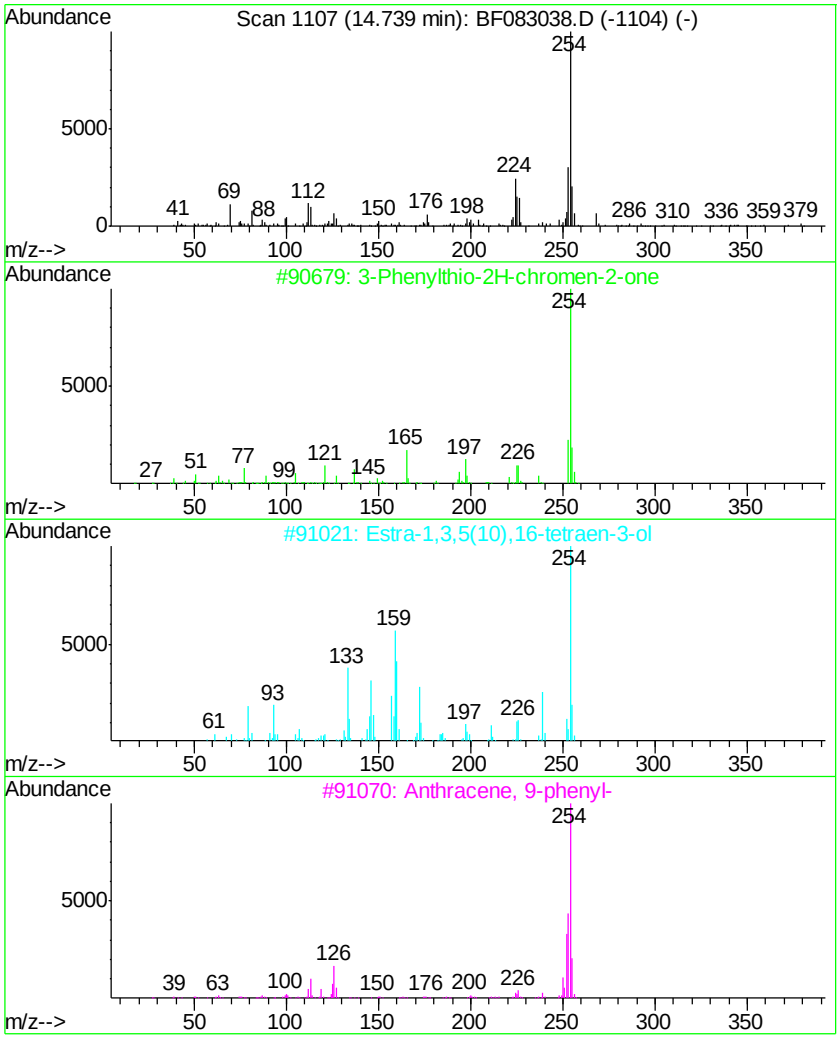
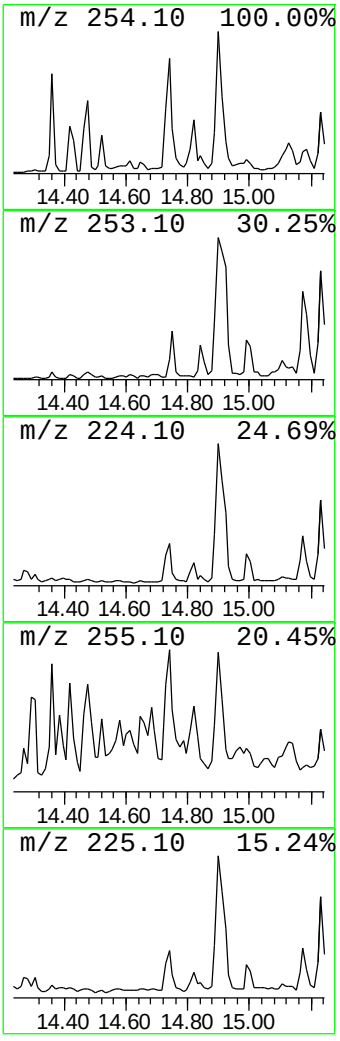
Peak Number 14 3-Phenylthio-2H-chromen-2-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	16.25 ng	407128	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	68
2	Estra-1,3,5(10),16-tetraen-3-ol	254	C18H22O	001150-90-9	60
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	59
4	2,2'-Binaphthalene	254	C20H14	000612-78-2	58
5	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	58





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Sample : G4436-07
Misc :
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Instrument : BNA_F
ClientSampleId : ON-1593

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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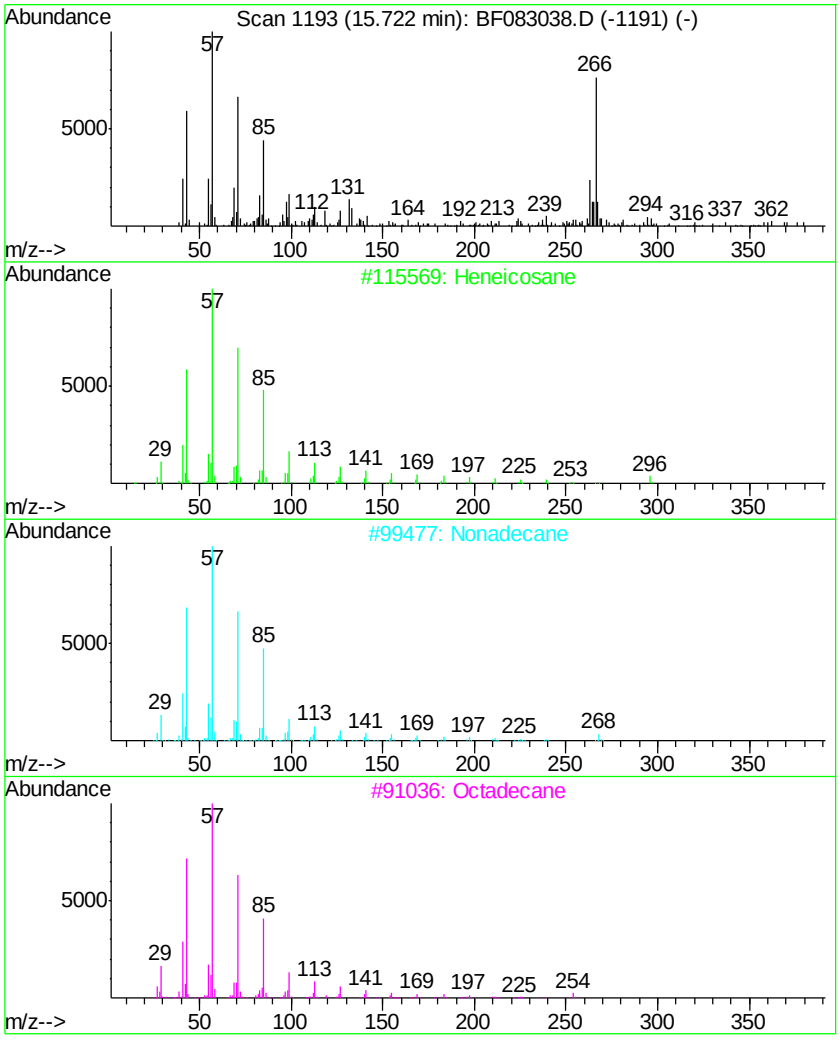
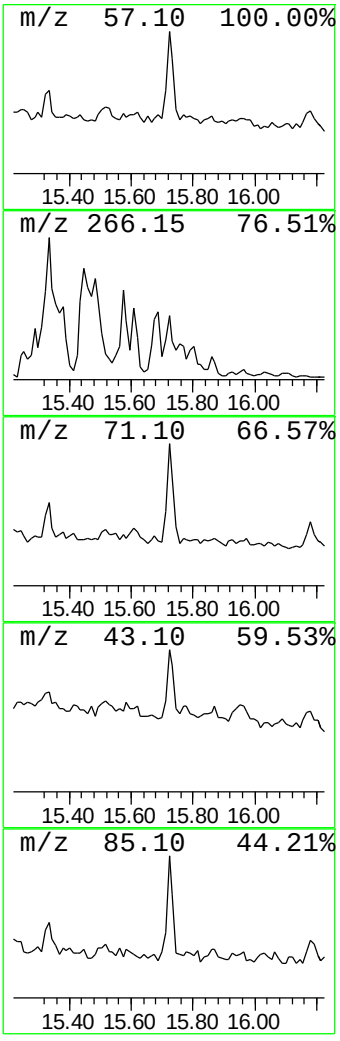
Peak Number 17 Heneicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	7.82 ng	195855	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	81
2	Nonadecane	268	C19H40	000629-92-5	78
3	Octadecane	254	C18H38	000593-45-3	52
4	Hexadecane	226	C16H34	000544-76-3	38
5	Octacosane	394	C28H58	000630-02-4	38





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Acq On : 19 Nov 2015 5:43
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Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
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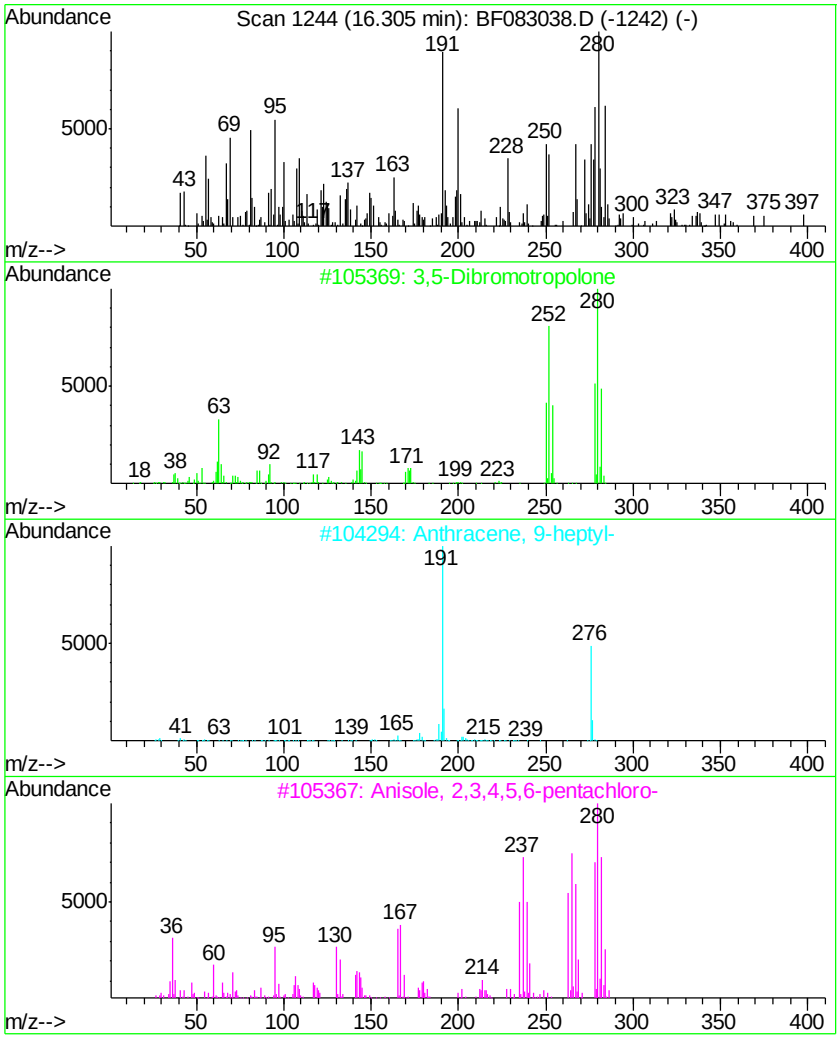
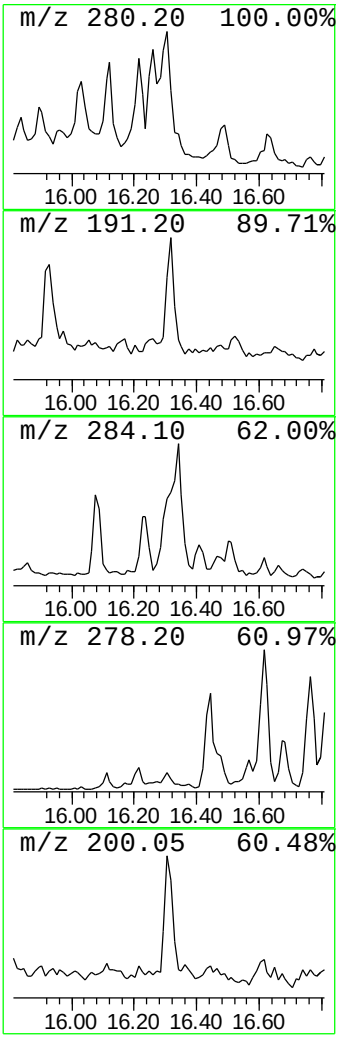
Peak Number 18 unknown16.31 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	16.72 ng	419051	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dibromotropolone	278	C7H4Br2O2	004636-40-2	27
2	Anthracene, 9-heptyl-	276	C21H24	1000157-50-3	18
3	Anisole, 2,3,4,5,6-pentachloro-	278	C7H3Cl5O	001825-21-4	15
4	1,2,3,4-Phenazinetetrol, 7-chloro-	278	C12H7ClN2O4	023774-10-9	11
5	17H-Cyclopenta[a]phenanthren-17-...	278	C19H18O2	056614-59-6	11





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Sample : G4436-07
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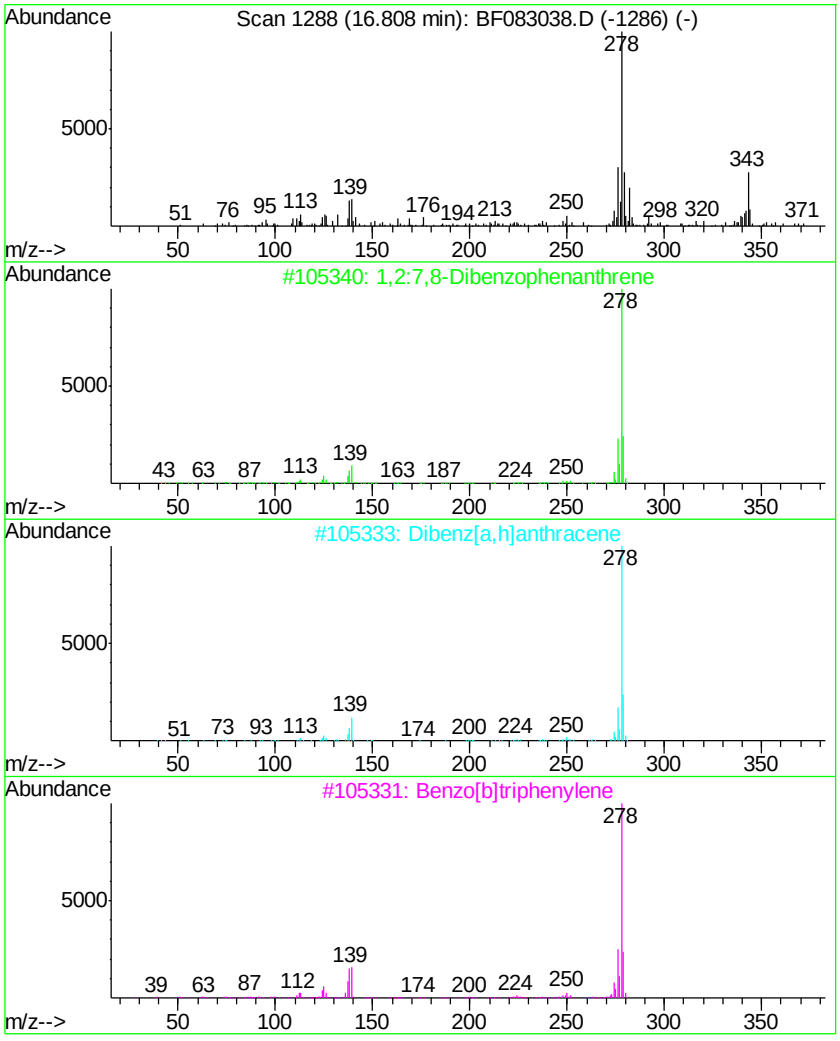
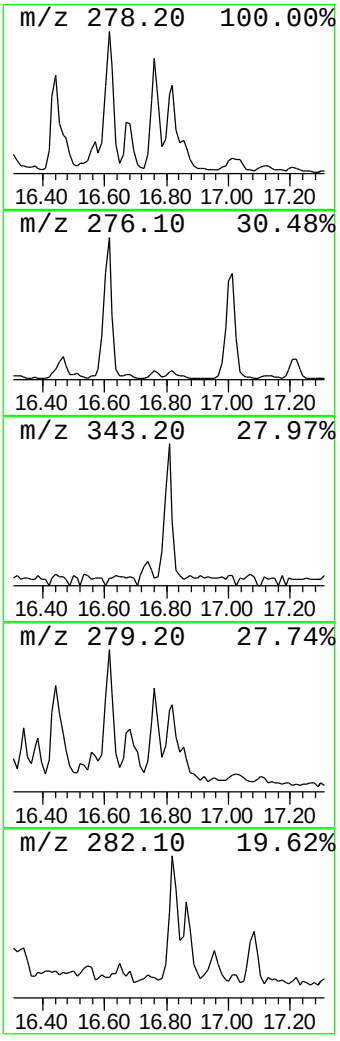
Peak Number 19 1,2:7,8-Dibenzophenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	11.99 ng	300360	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	87
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	87
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	70
4	Pentacene	278	C22H14	000135-48-8	70
5	Benzo[b]chrysene	278	C22H14	000214-17-5	55





Tentatively Identified Compound (LSC) summary

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Data File : BF083038.D
Acq On : 19 Nov 2015 5:43
Operator : UM/IZ
Sample : G4436-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ON-1593

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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
2-Pentanone, 4-hy...	4.90	59.8	ng	2138260	1	6.74	715762	20.0
Ethanol, 2-butoxy-	5.66	14.1	ng	503825	1	6.74	715762	20.0
unknown6.51	6.51	109.1	ng	3904240	1	6.74	715762	20.0
Decane	6.58	7.5	ng	267048	1	6.74	715762	20.0
Dodecane	10.69	9.3	ng	440852	4	11.25	949411	20.0
unknown11.14	11.14	9.1	ng	432450	4	11.25	949411	20.0
Phenanthrene, 1-m...	11.76	10.3	ng	490503	4	11.25	949411	20.0
Phenanthrene, 2-m...	11.78	14.0	ng	666492	4	11.25	949411	20.0
4H-Cyclopenta[def...	11.86	22.0	ng	1044920	4	11.25	949411	20.0
2-Phenylnaphthalene	12.05	14.3	ng	677410	4	11.25	949411	20.0
Phenanthrene, 2,5...	12.30	13.0	ng	616080	4	11.25	949411	20.0
Cyclopenta(def)ph...	12.38	9.5	ng	449261	4	11.25	949411	20.0
3-Phenylthio-2H-c...	14.74	16.3	ng	407128	6	15.29	501146	20.0
Heneicosane	15.72	7.8	ng	195855	6	15.29	501146	20.0
unknown16.31	16.31	16.7	ng	419051	6	15.29	501146	20.0
1,2:7,8-Dibenzoph...	16.81	12.0	ng	300360	6	15.29	501146	20.0