LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

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-BF060515.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	1.701	43	45	91	rVB3	350062	3160415	100.00%	6.484%
2	2.250	91	93	105	rVV	68520	212749	6.73%	0.436%
3	2.433	107	109	123	rVB	843873	1343056	42.50%	2.755%
4	6.101	428	430	433	rBV	624082	578628	18.31%	1.187%
5	7.084	514	516	518	rVB	526187	575957	18.22%	1.182%
6	7.256	529	531	533	rBV	745129	624815	19.77%	1.282%
7	7.484	549	551	553	rBV	217511	293131	9.28%	0.601%
8	7.644	563	565	568	rBV	395016	462258	14.63%	0.948%
9	8.044	597	600	601	rBV	360062	324189	10.26%	0.665%
10	8.787	662	665	667	rBV	375442	467554	14.79%	0.959%
11	9.496	726	727	729	rVB	233217	260381	8.24%	0.534%
12	9.862	757	759	761	rBV	569149	737309	23.33%	1.513%
13	9.919	763	764	766	rBV	415237	390085	12.34%	0.800%
14	10.068	774	777	780	rBV	261102	313474	9.92%	0.643%
15	10.136	780	783	785	rBV	627665	880927	27.87%	1.807%
16	10.205	787	789	791	rVV	617431	826361	26.15%	1.695%
17	10.239	791	792	797	rVB3	690144	790771	25.02%	1.622%
18	10.330	797	800	803	rBV2	394601	548121	17.34%	1.125%
19	10.456	809	811	813	rBV	616864	527009	16.68%	1.081%
20	10.525	815	817	818	rVV	266508	238855	7.56%	0.490%
21	10.559	818	820	827	rVB3	631973	975819	30.88%	2.002%
22	10.650	827	828	831	rBV	351395	603349	19.09%	1.238%
23	10.753	835	837	839	rBV2	525252	608294	19.25%	1.248%
24	10.799	839	841	843	rVB	420858	439200	13.90%	0.901%
25	10.879	846	848	849	rBV	201097	295197	9.34%	0.606%
26	10.902	849	850	853	rVB	506993	417004	13.19%	0.856%
27	10.959	853	855	859	rBV2	872306	1105513	34.98%	2.268%
28	11.051	859	863	864	rBV3	208990	333874	10.56%	0.685%
29	11.131	865	870	872	rBV3	292740	686548	21.72%	1.409%
30	11.188	873	875	876	rVV	233939	254533	8.05%	0.522%
31	11.268	879	882	884	rBV3	221977	391731	12.39%	0.804%
32	11.313	884	886	888	rBV3	123250	196306	6.21%	0.403%
33	11.348	888	889	891	rBV2	357229	508073	16.08%	1.042%
34	11.439	896	897	899	rBV	540609	635834	20.12%	1.305%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

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-BF060515.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.588	908	910	912	rBV3	135812	174662	5.53%	0.358%
36	11.668	912	917	918	rVV4	251201	517436	16.37%	1.062%
37	11.725	921	922	925	rVV2	169986	236174	7.47%	0.485%
38	11.793	925	928	929	rVV3	160632	240349	7.60%	0.493%
39	11.816	929	930	932	rVV2	184447	212097	6.71%	0.435%
40	11.862	932	934	935	rVV2	185043	247166	7.82%	0.507%
41	11.896	935	937	938	rVV	510086	561078	17.75%	1.151%
42	11.931	938	940	941	rVV	245524	287152	9.09%	0.589%
43	11.965	941	943	948	rVB	266359	433497	13.72%	0.889%
44	12.091	950	954	957	rBV	932383	2001959	63.34%	4.107%
45	12.171	960	961	963	rBV2	146886	184108	5.83%	0.378%
46	12.251	966	968	970	rVB2	254550	279034	8.83%	0.572%
47	12.331	973	975	978	rVB2	745340	739587	23.40%	1.517%
48	12.411	979	982	986	rVB	489035	637036	20.16%	1.307%
49	12.502	988	990	992	rBV2	210847	285391	9.03%	0.586%
50	12.536	992	993	996	rBV3	104873	193264	6.12%	0.397%
51	12.594	996	998	999	rBV	687612	926215	29.31%	1.900%
52	12.616	999	1000	1002	rVB	1185936	1017107	32.18%	2.087%
53	12.662	1002	1004	1006	rBV	225208	316873	10.03%	0.650%
54	12.708	1006	1008	1009	rBV	516960	675062	21.36%	1.385%
55	12.731	1009	1010	1011	rVB	502910	348834	11.04%	0.716%
56	12.834	1017	1019	1021	rBV2	290721	302562	9.57%	0.621%
57	12.902	1022	1025	1026	rBV2	340785	584570	18.50%	1.199%
58	12.936	1026	1028	1030	rVB2	258309	387495	12.26%	0.795%
59	12.982	1030	1032	1034	rBV2	202058	286835	9.08%	0.588%
60	13.062	1036	1039	1040	rVV2	415416	668651	21.16%	1.372%
61	13.096	1040	1042	1047	rVB4	321720	679453	21.50%	1.394%
62	13.176	1047	1049	1050	rBV	1052664	1217144	38.51%	2.497%
63	13.211	1050	1052	1053	rVV2	263906	355805	11.26%	0.730%
64	13.268	1056	1057	1059	rVB	241893	228378	7.23%	0.469%
65	13.348	1063	1064	1067	rBV3	284651	474928	15.03%	0.974%
66	13.474	1073	1075	1078	rVB4	193135	333817	10.56%	0.685%
67	13.519	1078	1079	1080	rBV	183679	201261	6.37%	0.413%
68	13.576	1083	1084	1086	rVV2	223893	345934	10.95%	0.710%
69	13.611	1086	1087	1090	rVB2	1068303	1130689	35.78%	2.320%
70	13.668	1090	1092	1094	rVB2	385702	469860	14.87%	0.964%
71	13.725	1095	1097	1098	rBV	140947	204456	6.47%	0.419%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

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-BF060515.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.748	1098	1099	1101	rVB	823120	781938	24.74%	1.604%
73	13.839	1105	1107	1108	rBV2	170792	202847	6.42%	0.416%
74	13.988	1118	1120	1123	rVB2	334549	408538	12.93%	0.838%
75	14.102	1128	1130	1132	rBV	756580	703488	22.26%	1.443%
76	14.217	1138	1140	1141	rBV	582509	693633	21.95%	1.423%
77	14.251	1141	1143	1144	rVV	449299	488902	15.47%	1.003%
78	14.285	1144	1146	1148	rVB2	140159	180747	5.72%	0.371%
79	14.388	1153	1155	1159	rBV2	255401	394179	12.47%	0.809%
80	14.571	1169	1171	1174	rVB2	254816	441722	13.98%	0.906%
81	14.651	1177	1178	1180	rVB	227128	239595	7.58%	0.492%
82	14.697	1180	1182	1183	rBV	321229	347215	10.99%	0.712%
83	14.799	1188	1191	1192	rBV2	240780	392074	12.41%	0.804%
84	15.017	1208	1210	1212	rBV2	577471	1020982	32.31%	2.095%
85	15.131	1218	1220	1222	rVB	170925	171902	5.44%	0.353%
86	15.200	1224	1226	1227	rVV	194004	219294	6.94%	0.450%
87	15.600	1259	1261	1263	rBV3	236150	277569	8.78%	0.569%
88	16.011	1295	1297	1300	rVB2	178058	251752	7.97%	0.517%
89	16.468	1335	1337	1340	rVB2	144836	214984	6.80%	0.441%
90	16.800	1363	1366	1369	rVB	277849	471873	14.93%	0.968%
91	16.880	1371	1373	1377	rVB	158399	246440	7.80%	0.506%
92	16.960	1378	1380	1382	rBV	377068	608685	19.26%	1.249%
93	17.451	1421	1423	1427	rVB	142637	236093	7.47%	0.484%
94	19.566	1605	1608	1615	rVB	131592	353487	11.18%	0.725%

Sum of corrected areas: 48741178

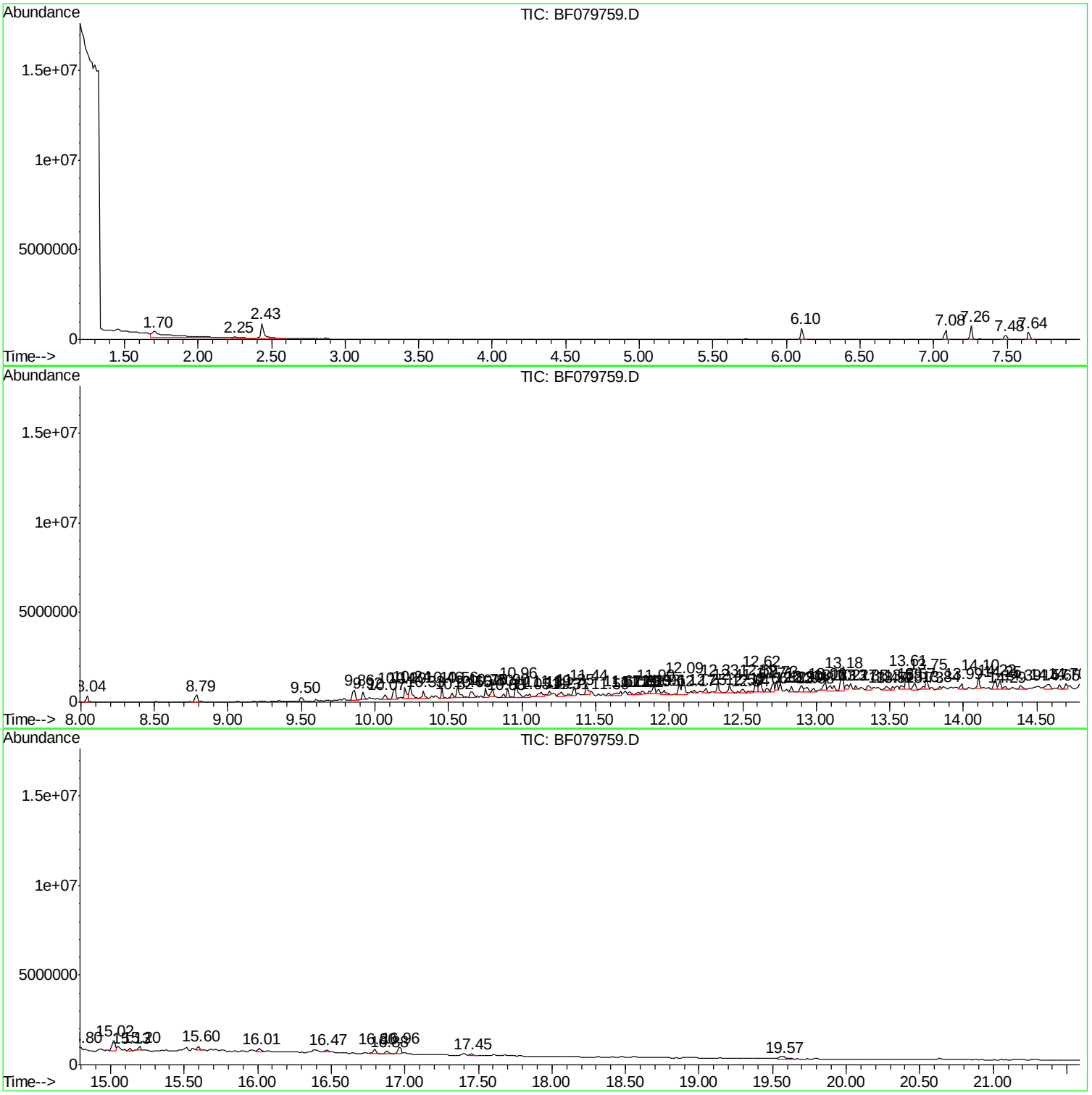
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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 : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

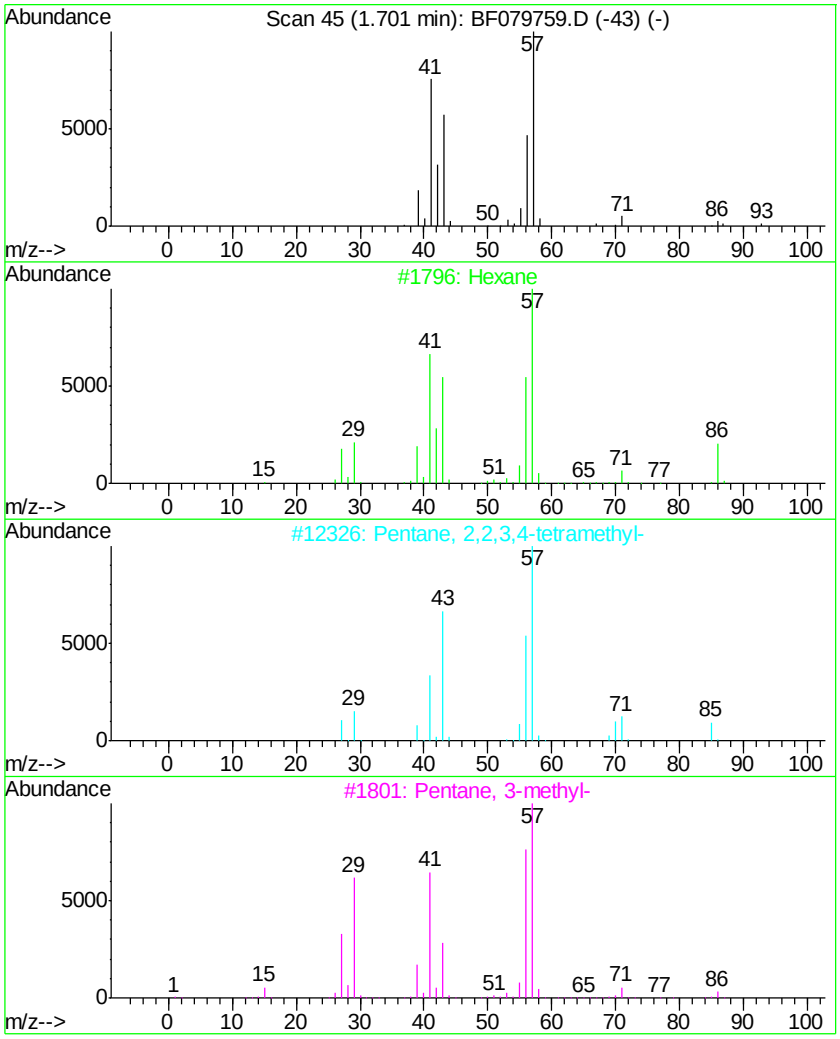
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

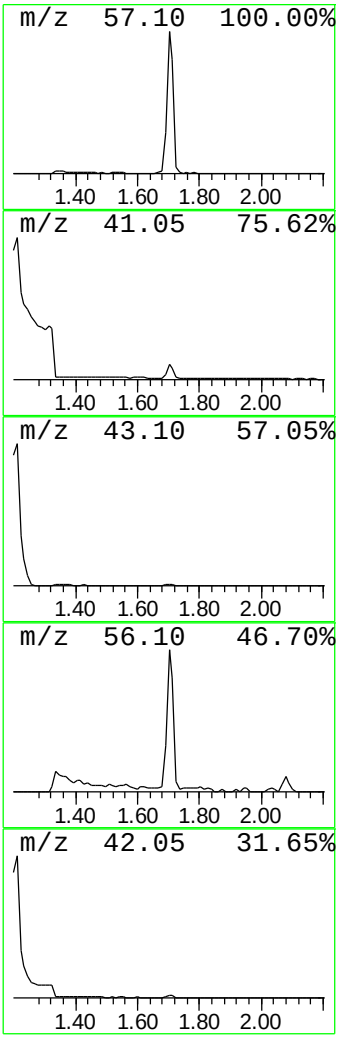
****

Peak Number 1 Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.70	215.63 ng	3160420	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	83
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	38
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	33
5	Cyclobutane	56	C4H8	000287-23-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

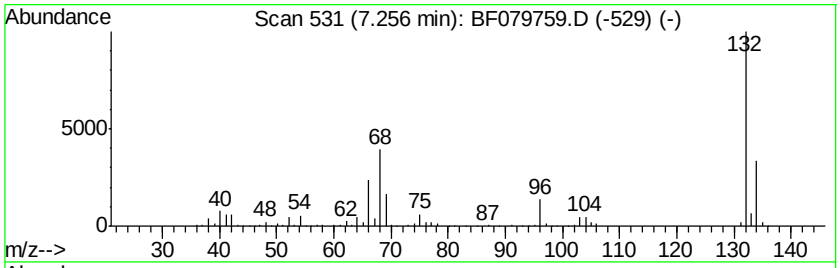
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

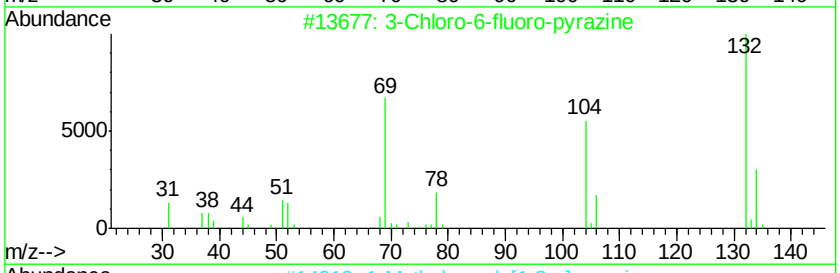
****

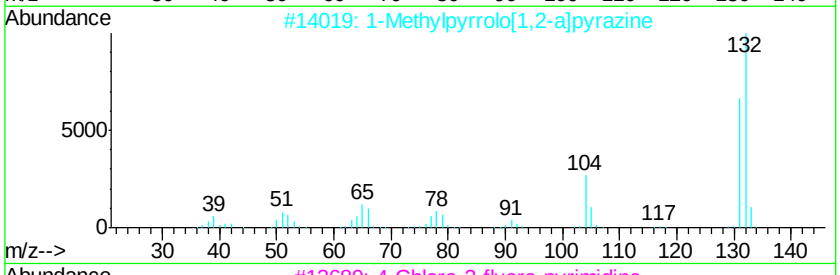
Peak Number 4 3-Chloro-6-fluoro-pyrazine Concentration Rank 3

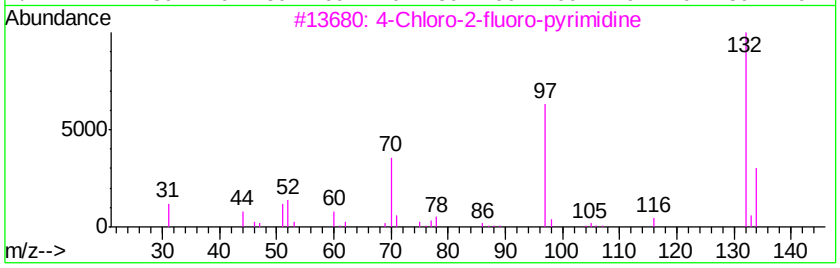
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	42.63 ng	624815	1,4-Dichlorobenzene-d4	7.50

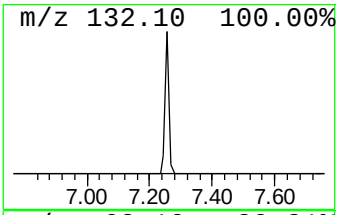
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	5-Aminoindole	132	C8H8N2	005192-03-0	9

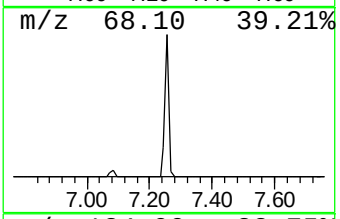


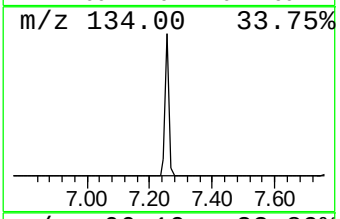


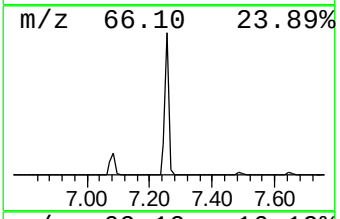


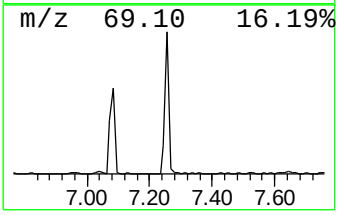












Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

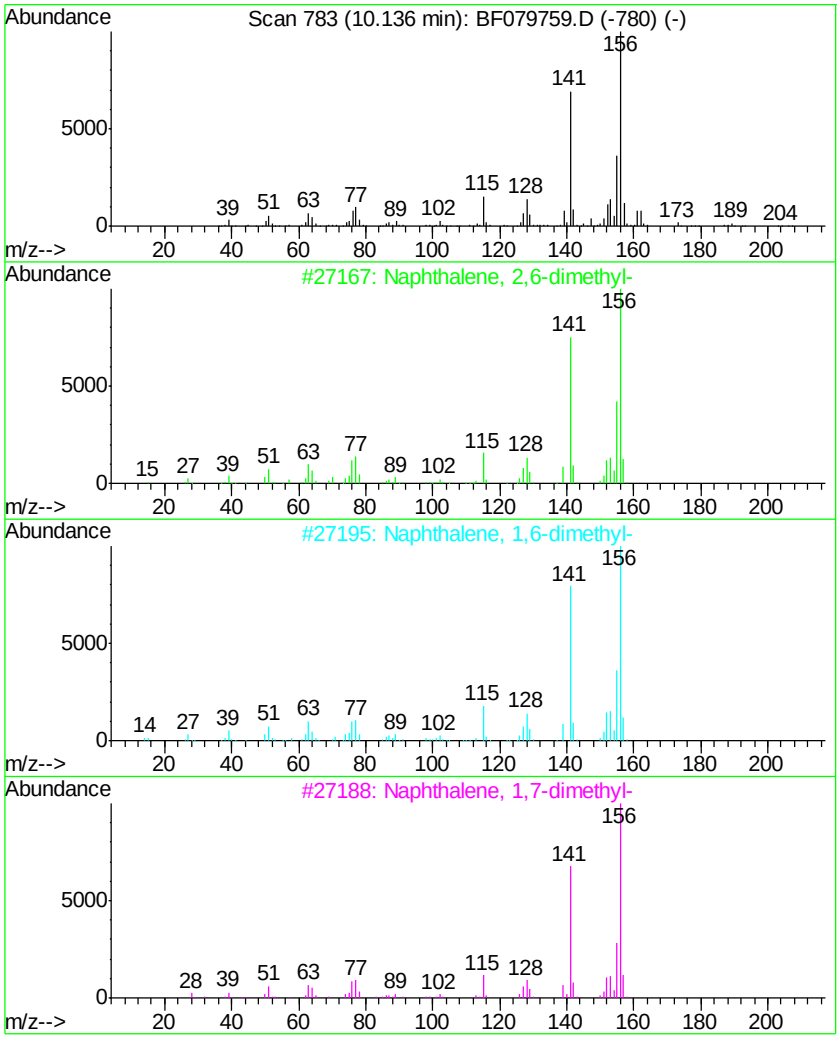
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

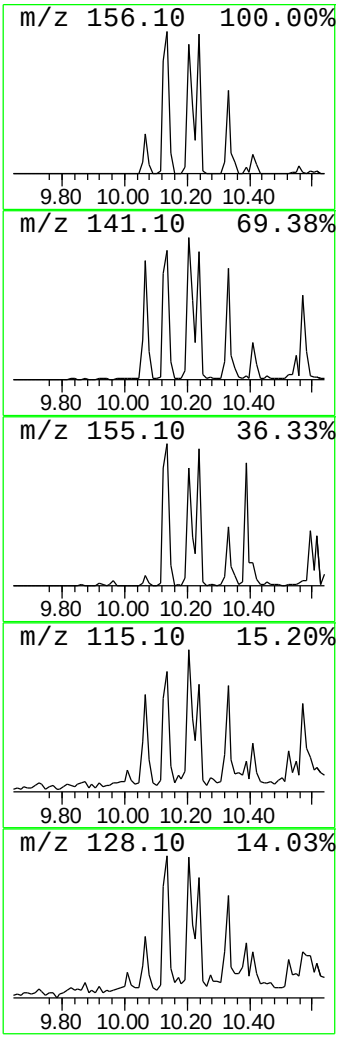
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	18.06 ng	880927	Acenaphthene-d10	10.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

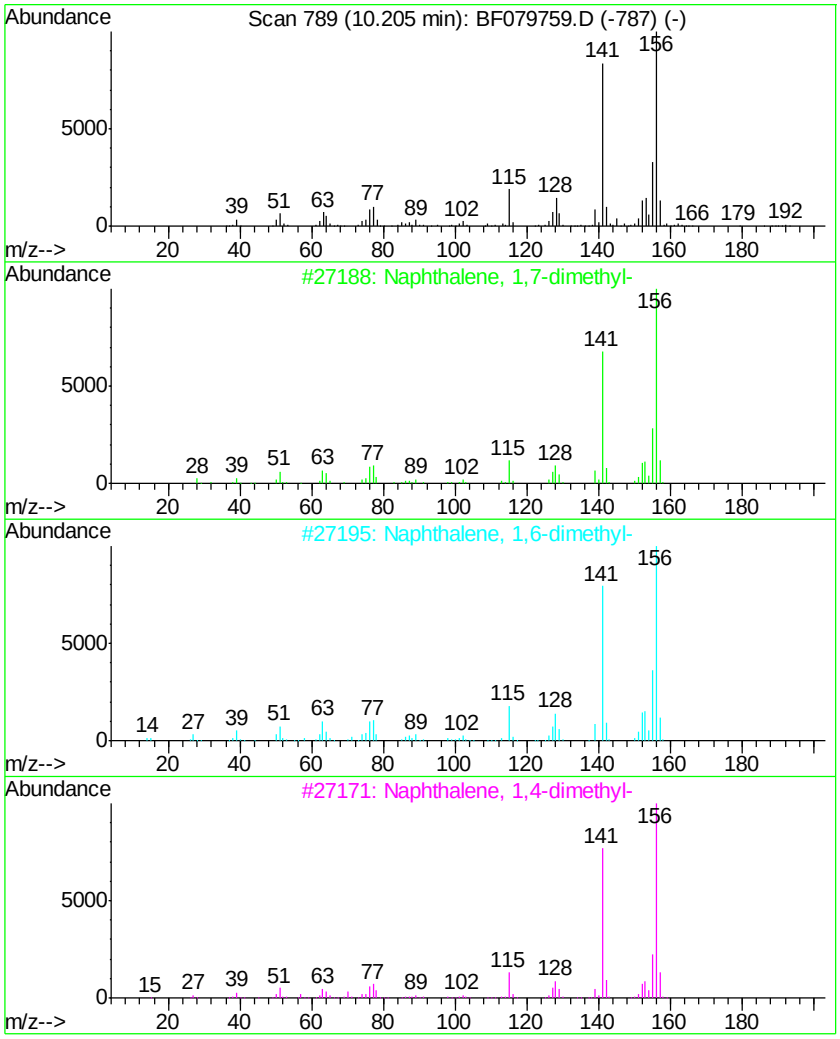
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

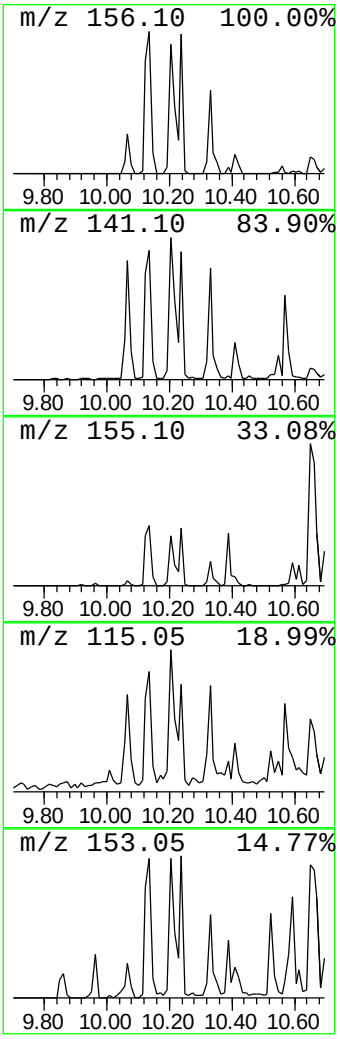
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	16.94 ng	826361	Acenaphthene-d10	10.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





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Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

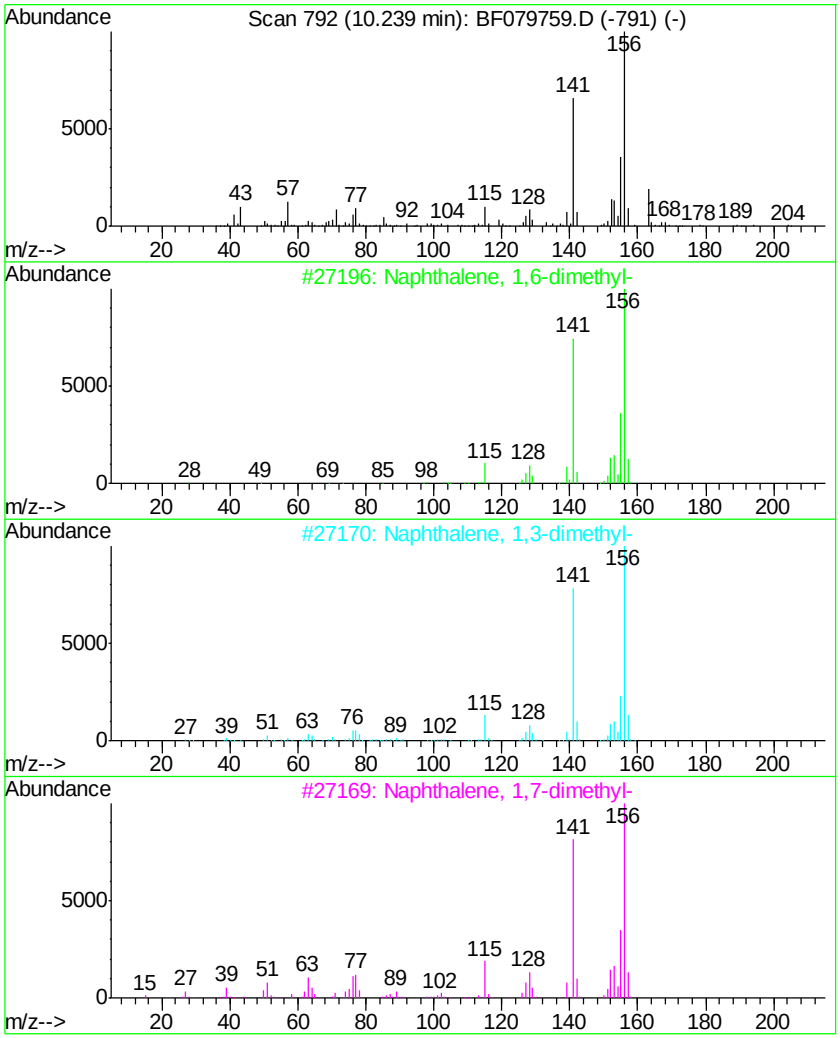
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

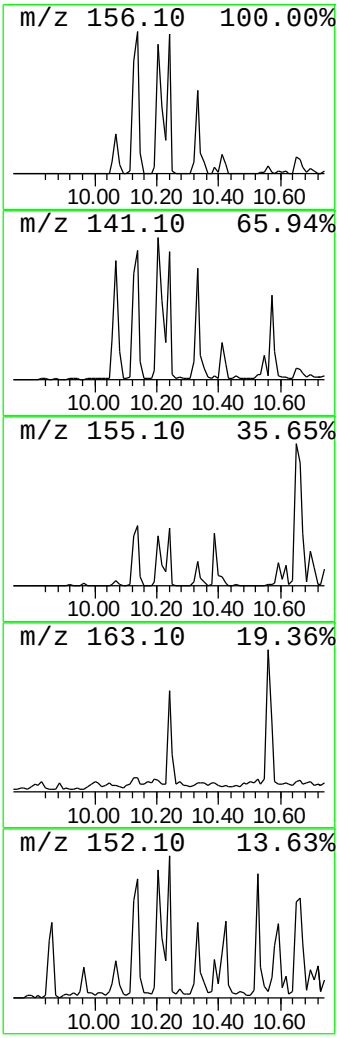
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	16.21 ng	790771	Acenaphthene-d10	10.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93





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Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

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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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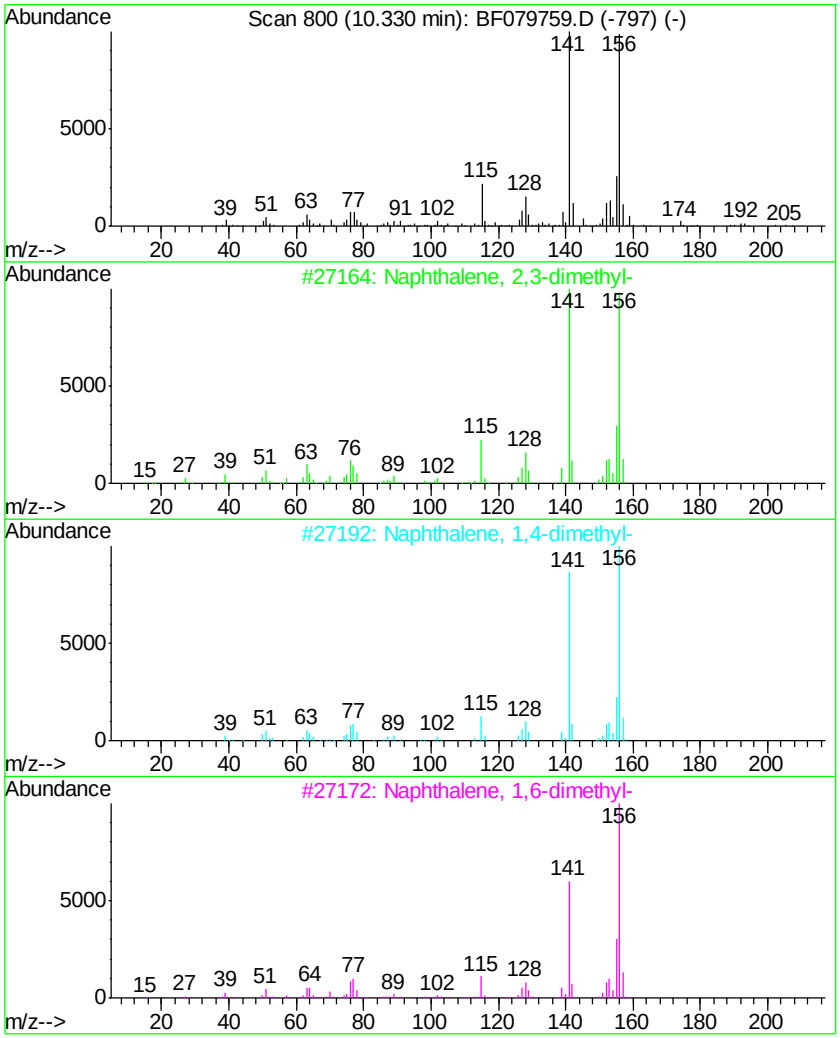
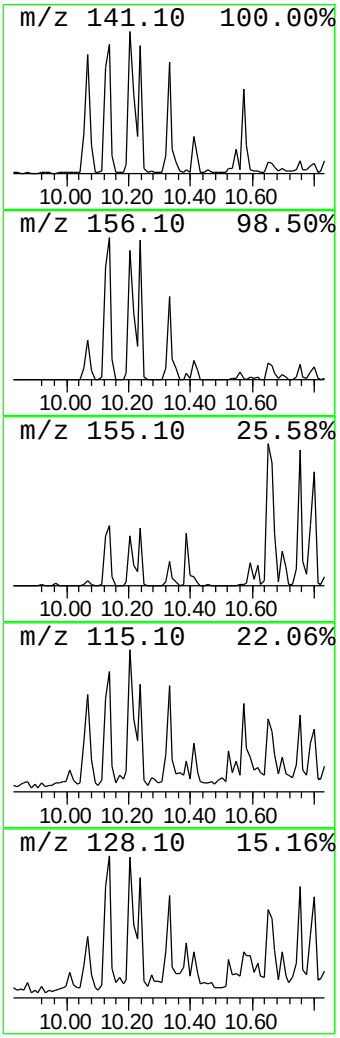
Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	11.23 ng	548121	Acenaphthene-d10	10.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

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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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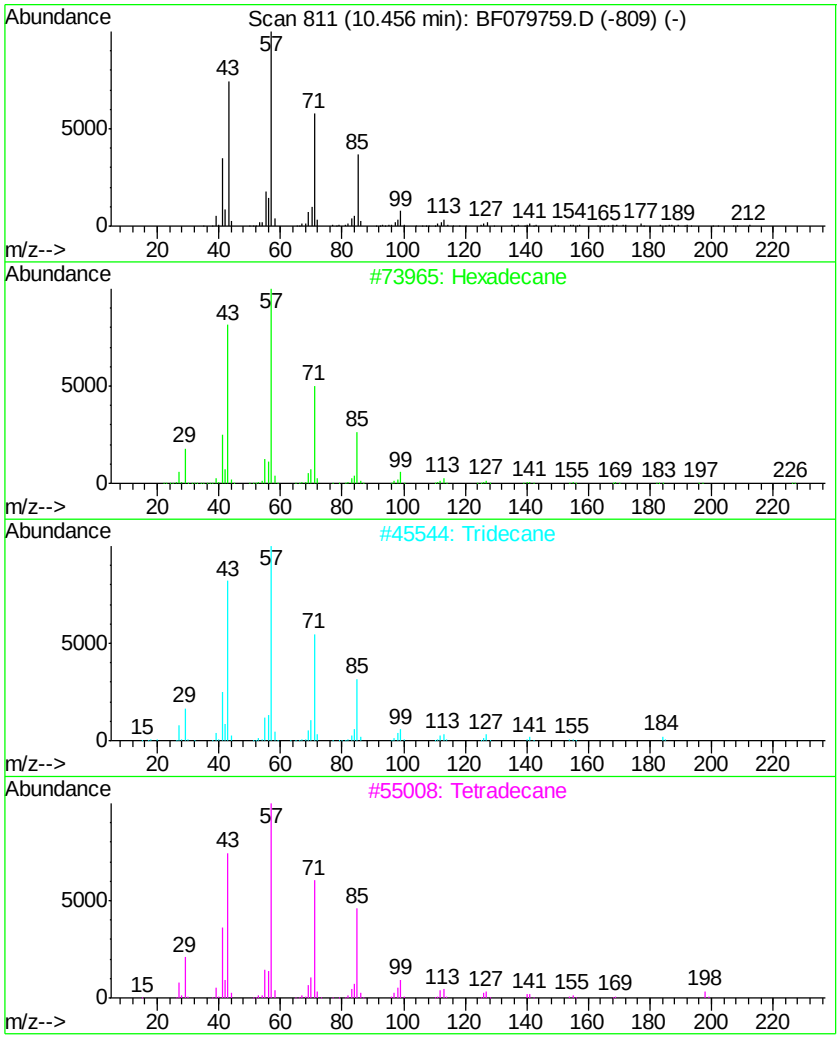
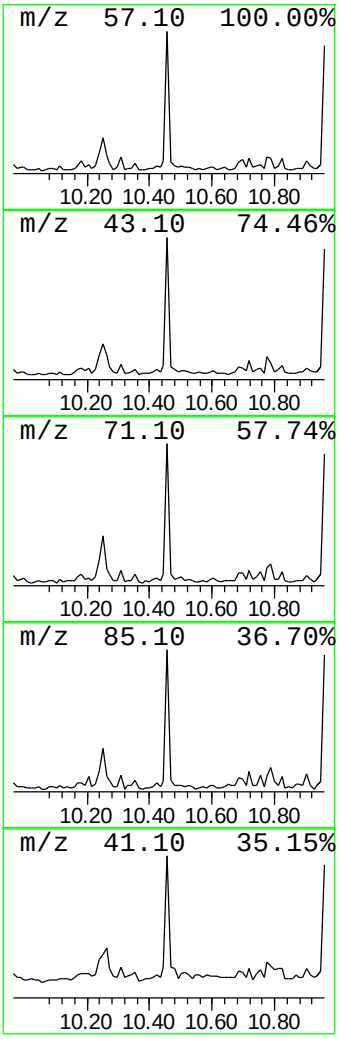
Peak Number 10 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	10.80 ng	527009	Acenaphthene-d10	10.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tridecane	184	C13H28	000629-50-5	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Pentadecane	212	C15H32	000629-62-9	87
5	Decane, 3-methyl-	156	C11H24	013151-34-3	72





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Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

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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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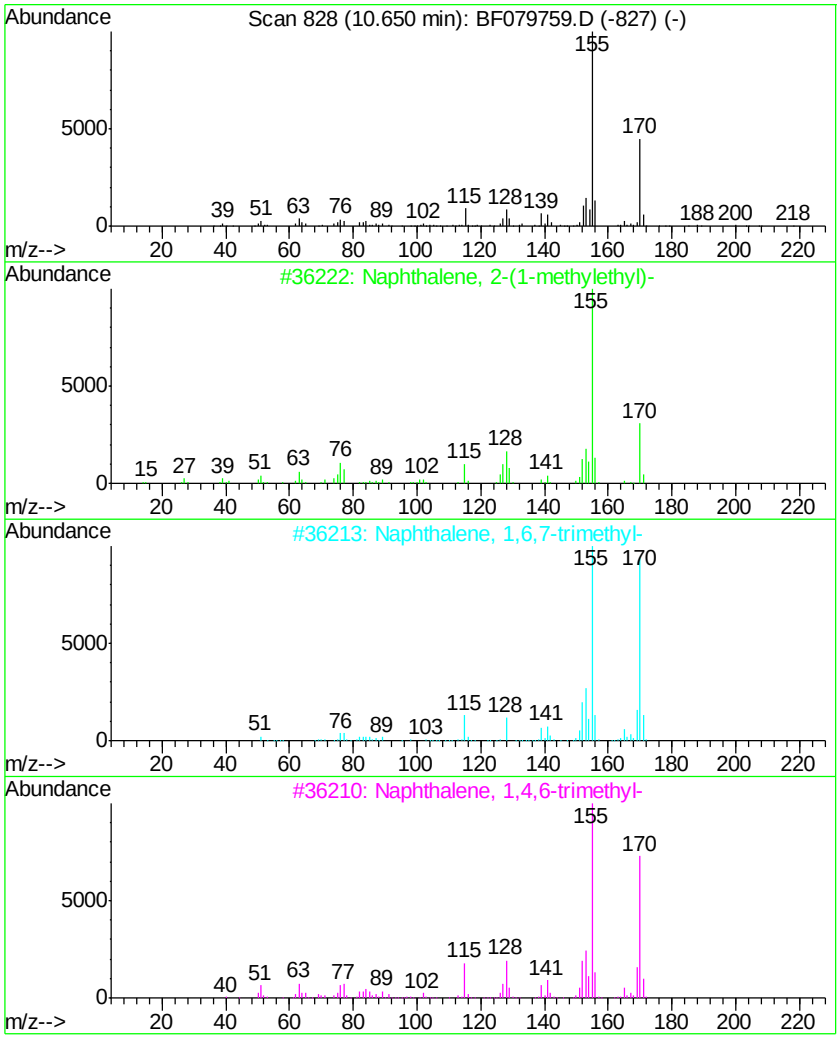
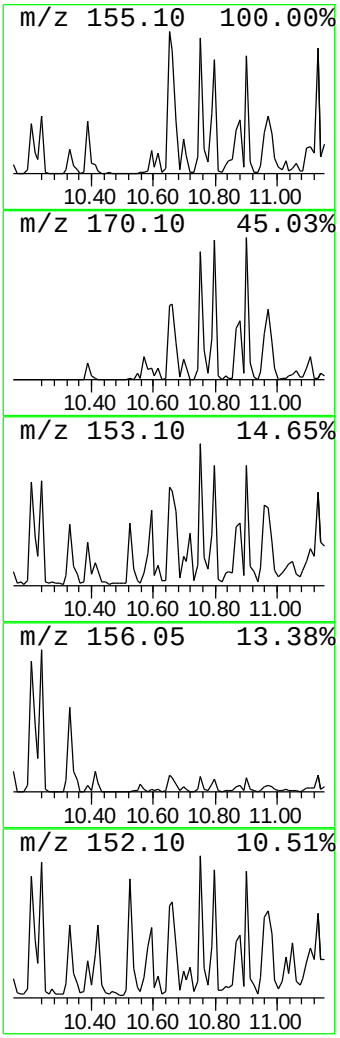
Peak Number 11 Naphthalene, 2-(1-methyleth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	12.37 ng	603349	Acenaphthene-d10	10.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	70
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70
4	Ethanol, 2-[4-chloro-2-(1-methyl...	214	C11H15ClO2	056949-65-6	64
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	64





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Acq On : 6 Jun 2015 6:55
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Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

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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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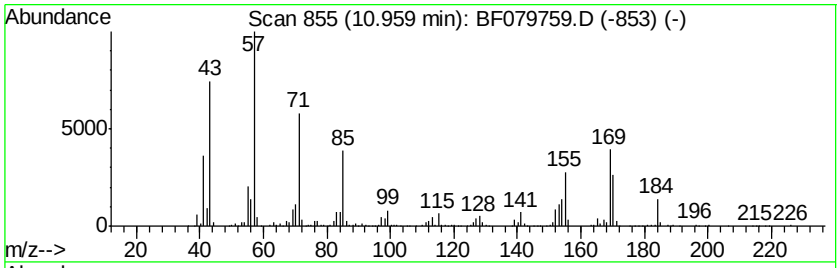
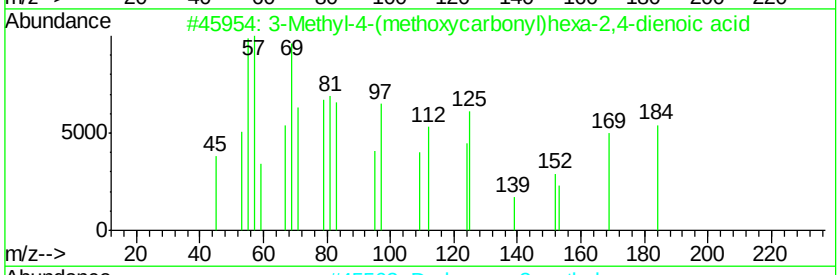
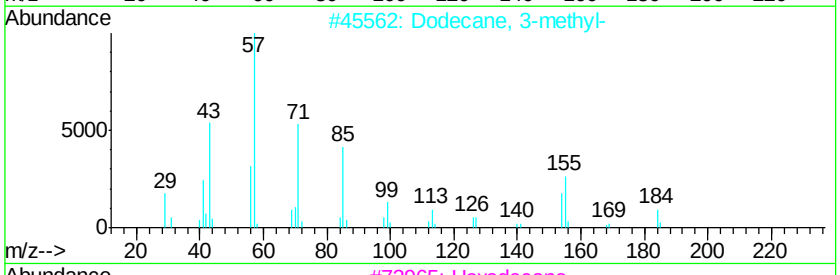
Peak Number 12 3-Methyl-4-(methoxycarbonyl... Concentration Rank 5

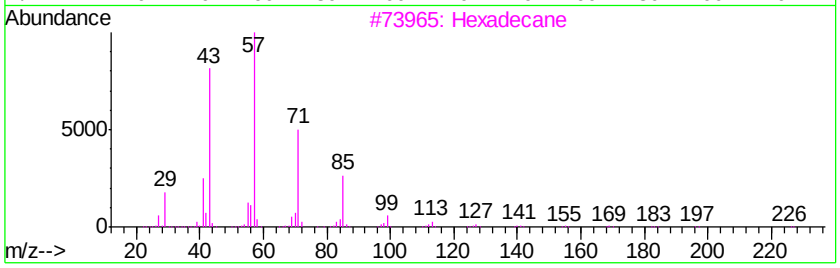
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	22.66 ng	1105510	Acenaphthene-d10	10.56

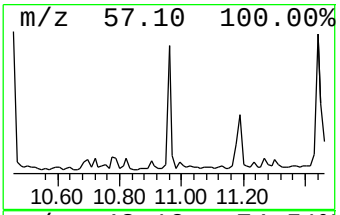
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	92
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	83
3	Hexadecane	226	C16H34	000544-76-3	51
4	Dodecane	170	C12H26	000112-40-3	49
5	Eicosane	282	C20H42	000112-95-8	46

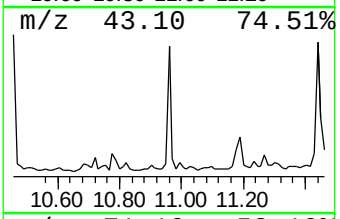


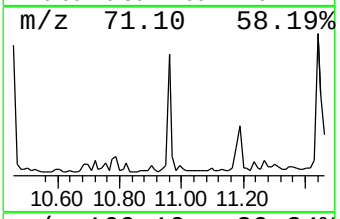


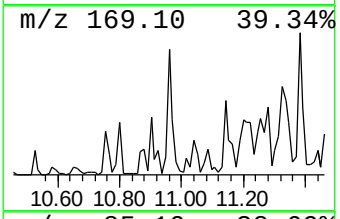


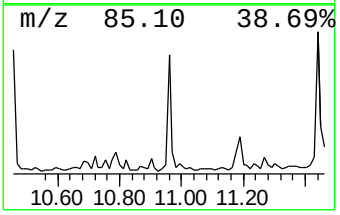












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Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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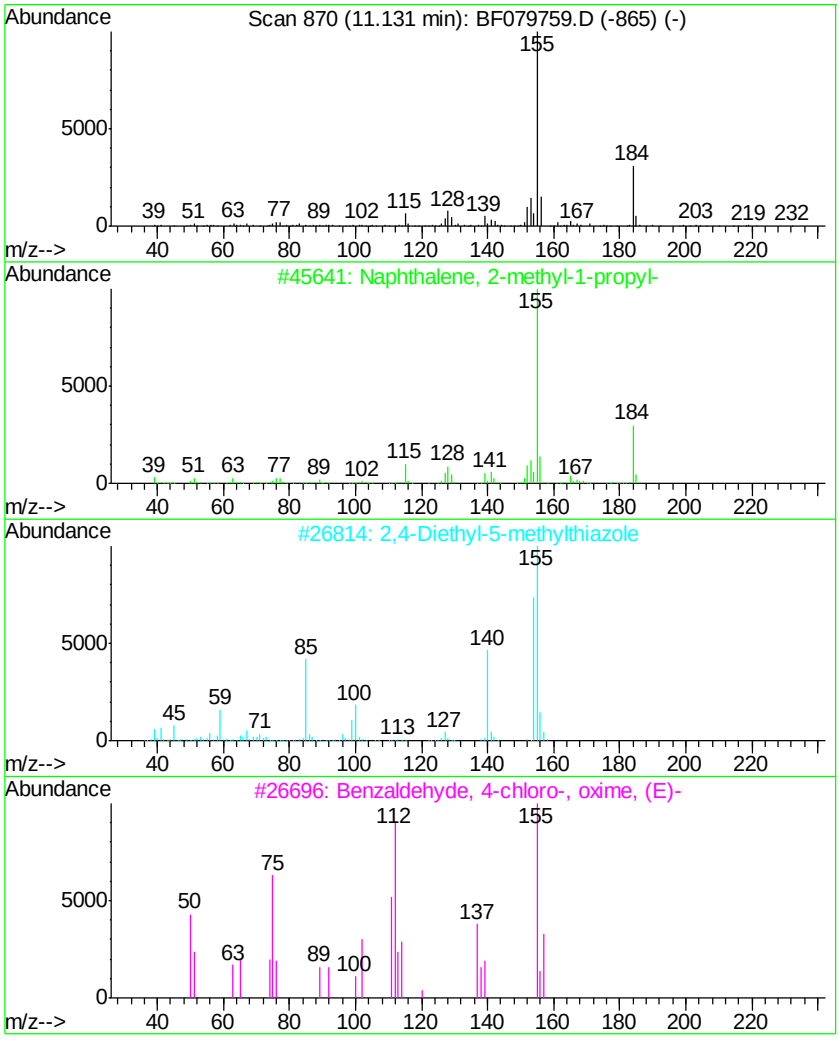
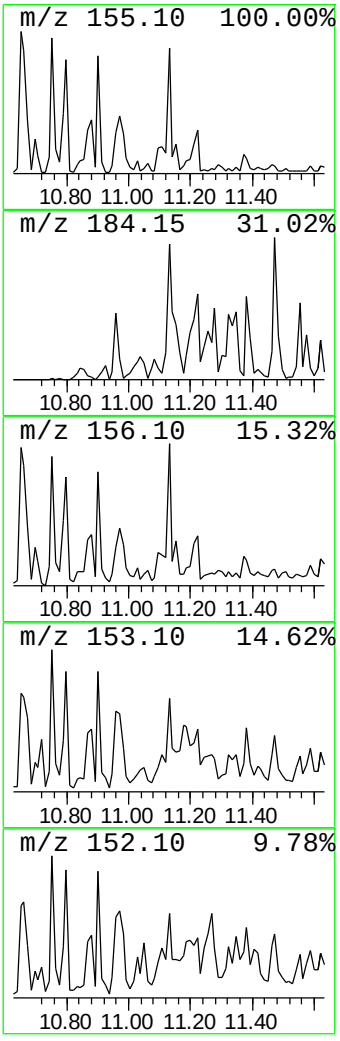
Peak Number 13 Naphthalene, 2-methyl-1-pro... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	14.07 ng	686548	Acenaphthene-d10	10.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-1-propyl-	184	C14H16	054774-89-9	91
2	2,4-Diethyl-5-methylthiazole	155	C8H13NS	052414-89-8	47
3	Benzaldehyde, 4-chloro-, oxime, ...	155	C7H6ClNO	003717-24-6	47
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	45
5	Naphthalene, 1-(chloromethyl)-2-...	190	C12H11Cl	006626-23-9	43





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Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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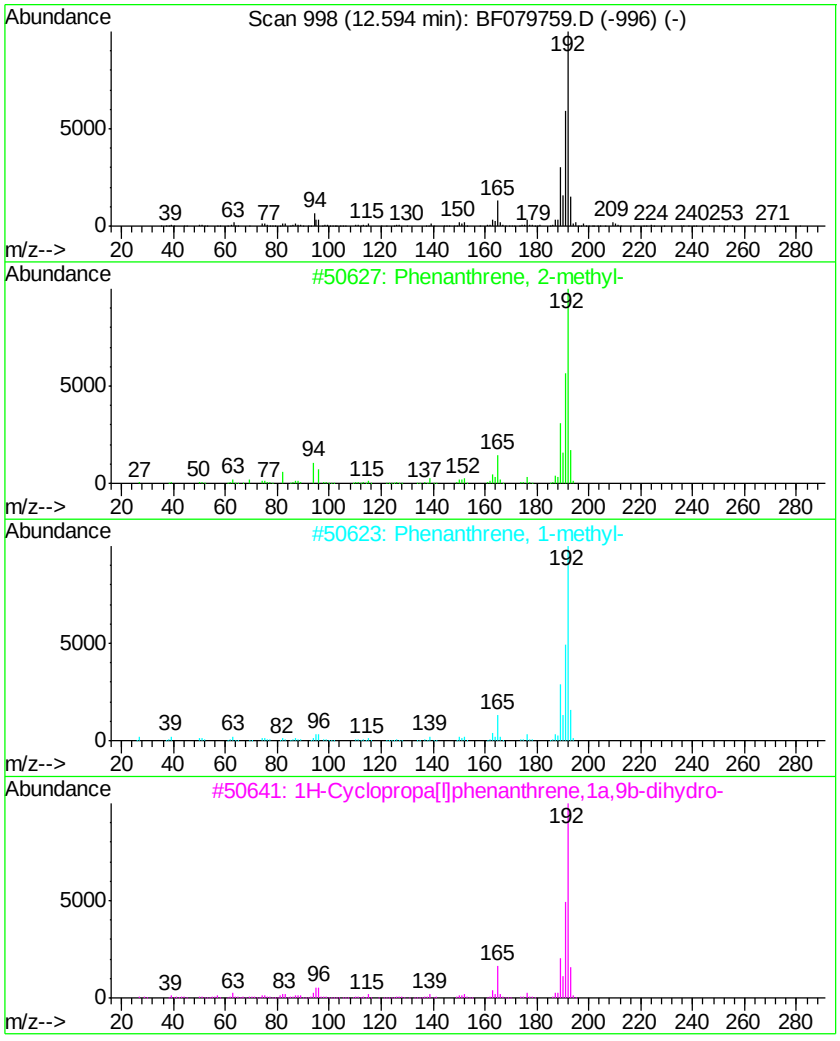
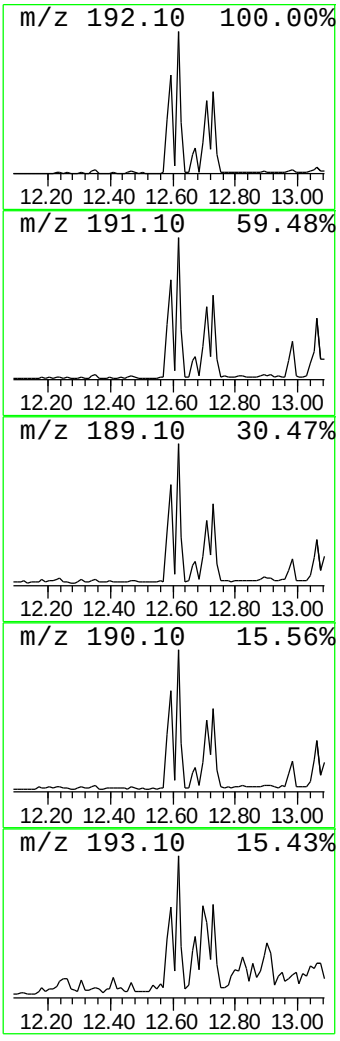
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	9.25 ng	926215	Phenanthrene-d10	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	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 : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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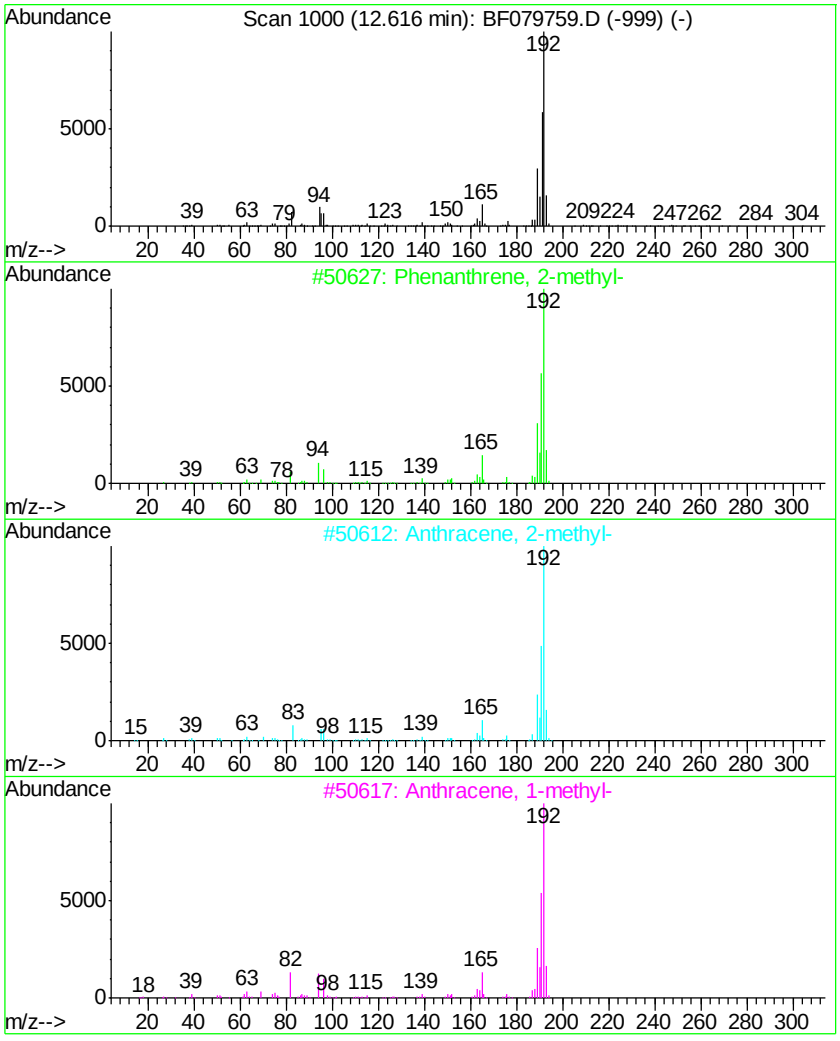
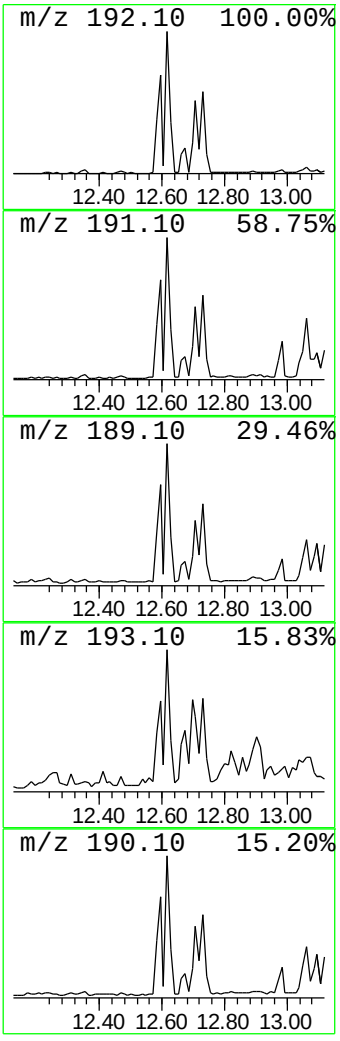
Peak Number 15 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	10.16 ng	1017110	Phenanthrene-d10	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Sample : G2450-22 2X
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ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : RT440NB6.5(4)

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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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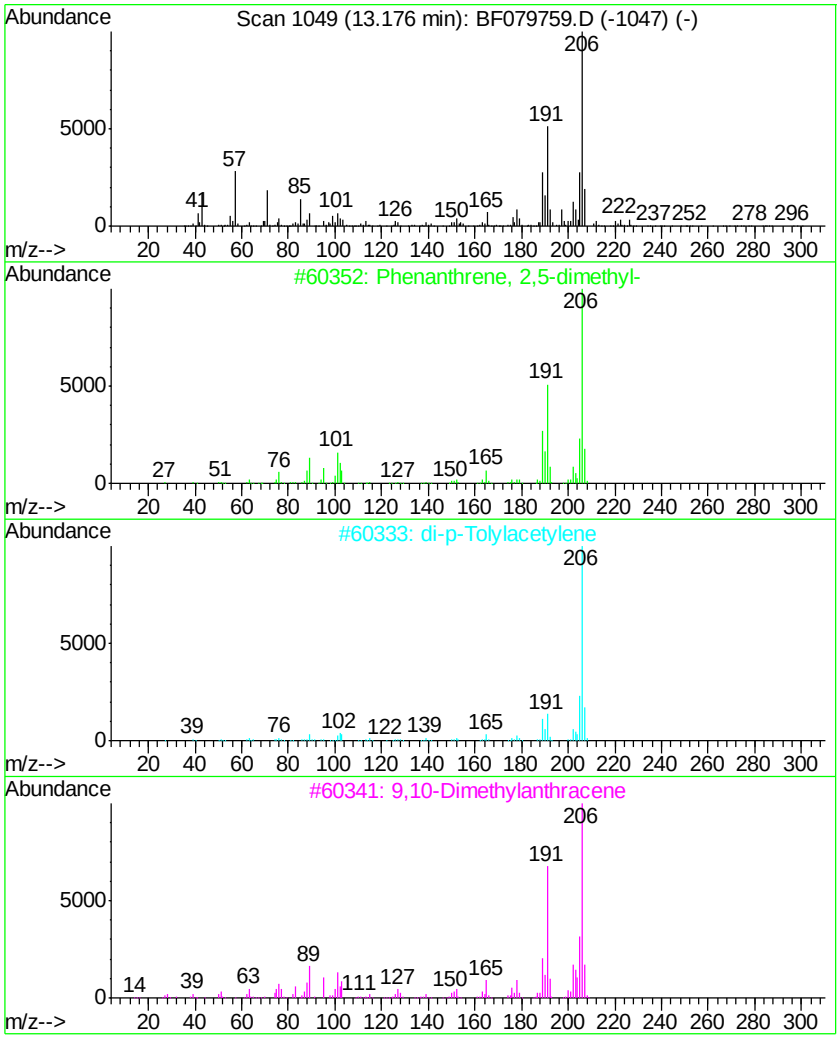
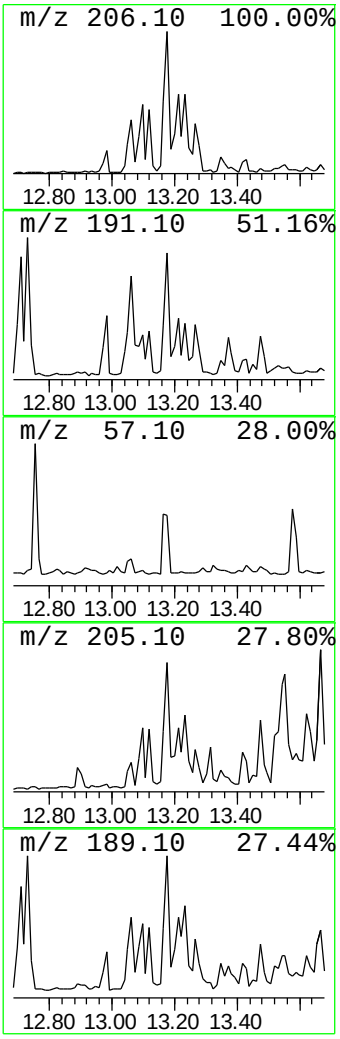
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	12.16 ng	1217140	Phenanthrene-d10	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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ClientSampleId : RT440NB6.5(4)

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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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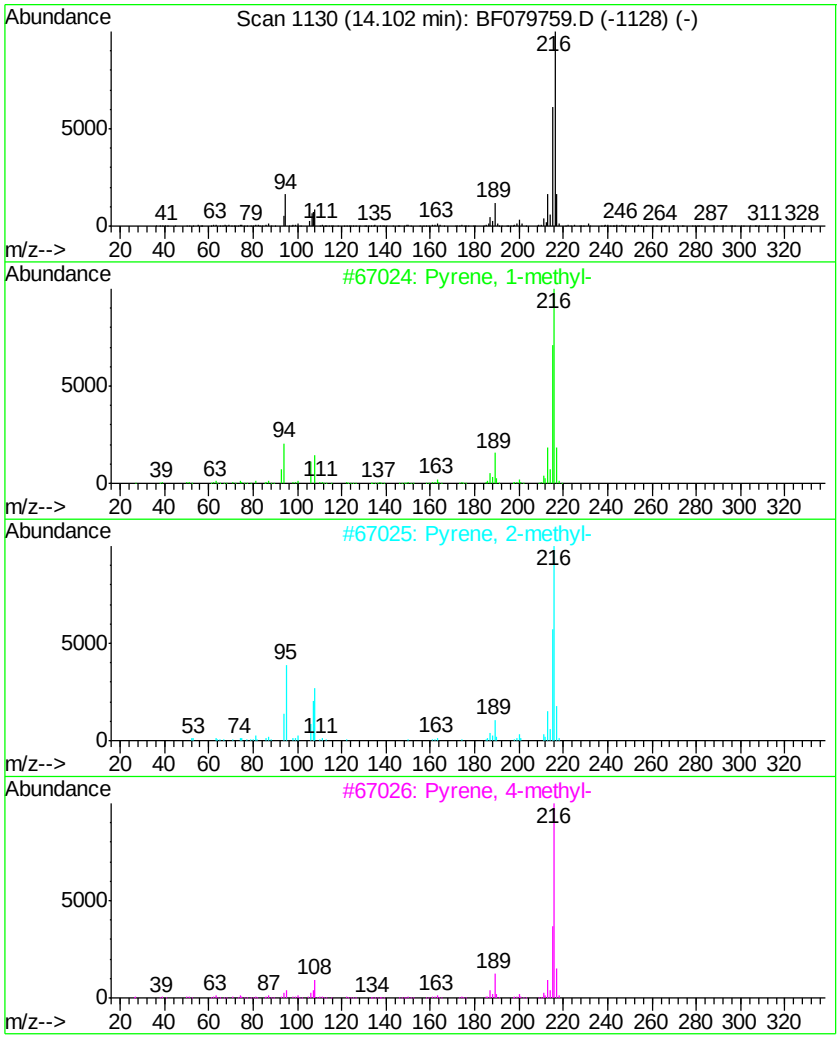
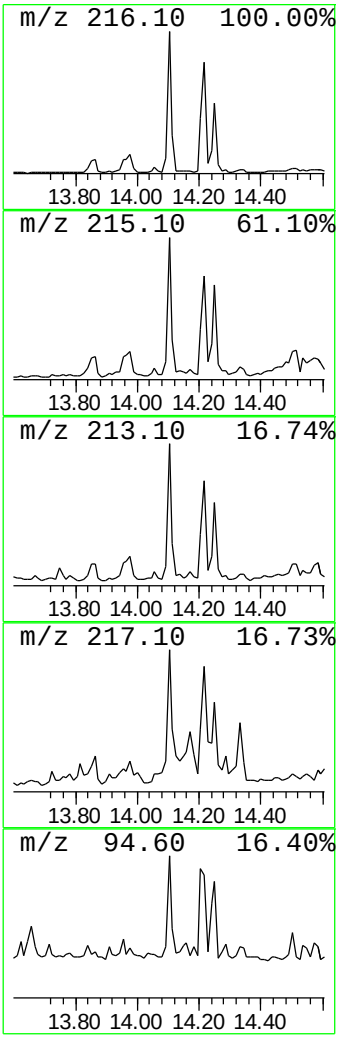
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	13.78 ng	703488	Chrysene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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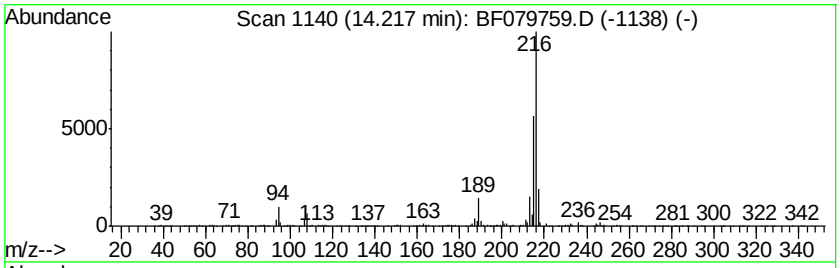
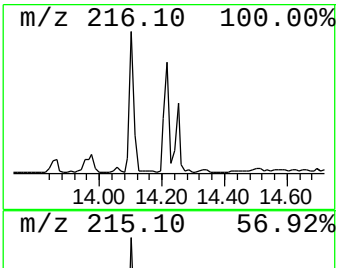
Peak Number 18 Pyrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	13.59 ng	693633	Chrysene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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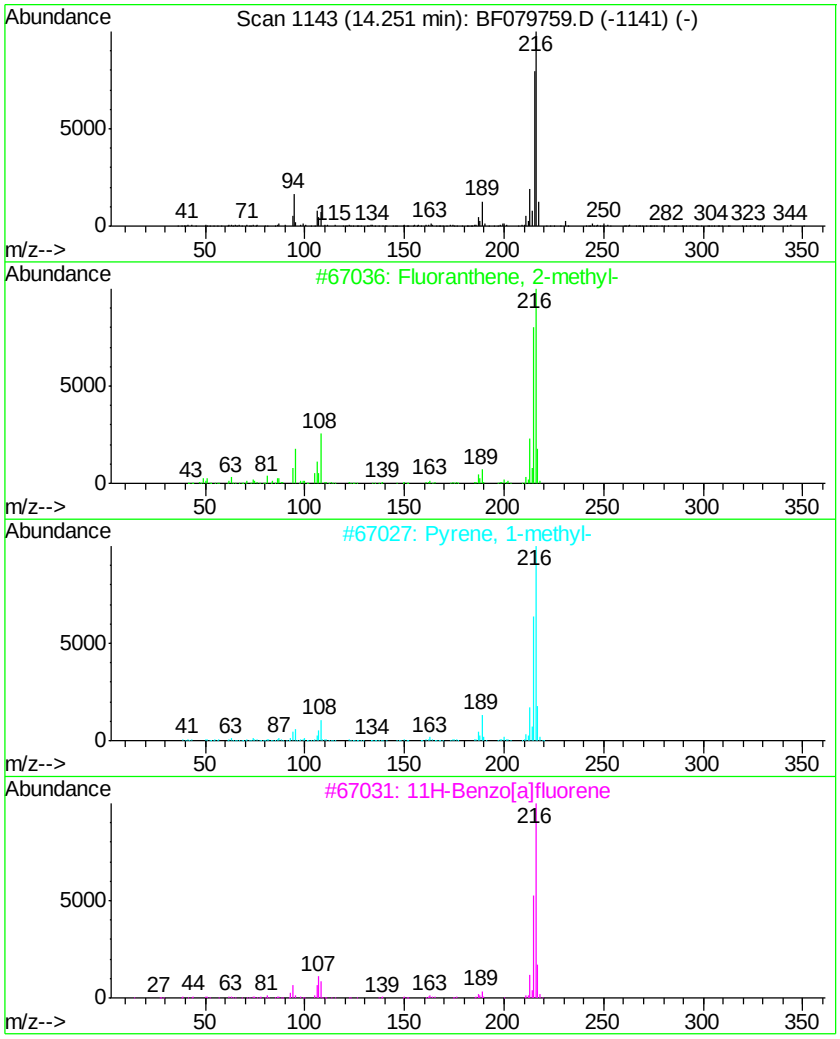
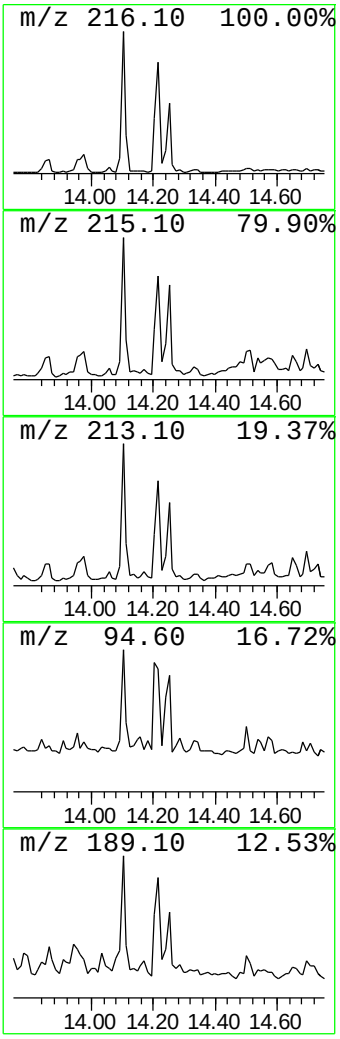
Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	9.58 ng	488902	Chrysene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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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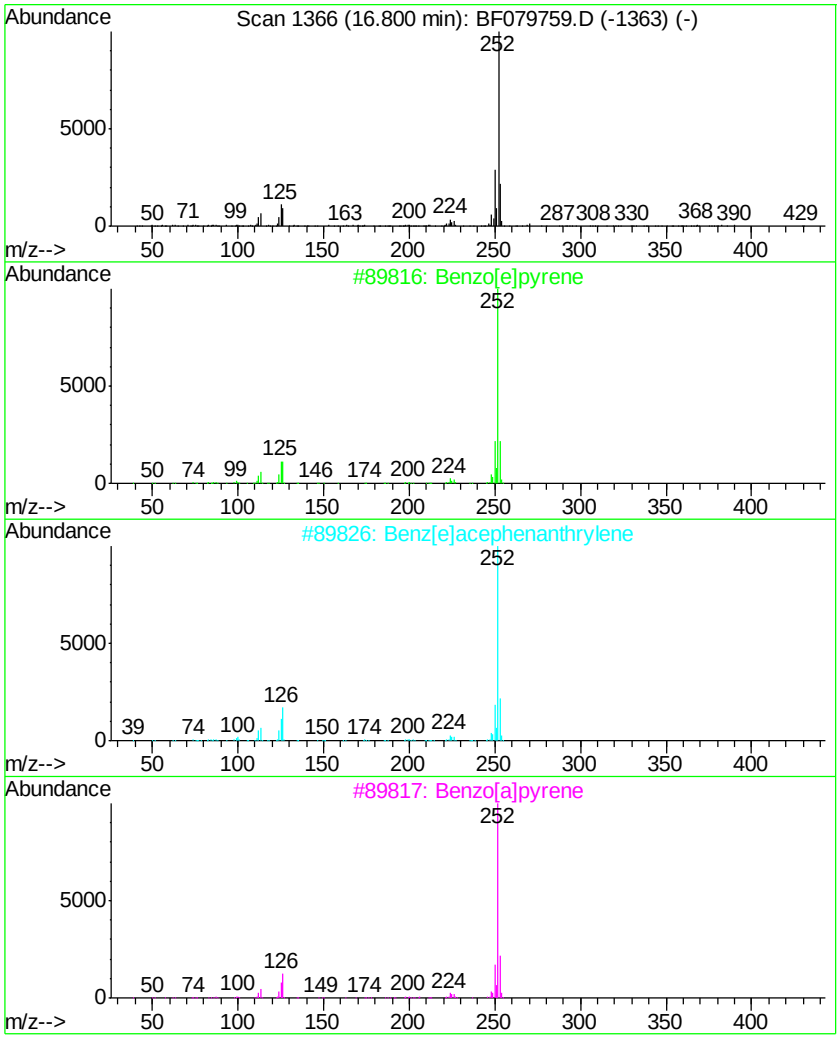
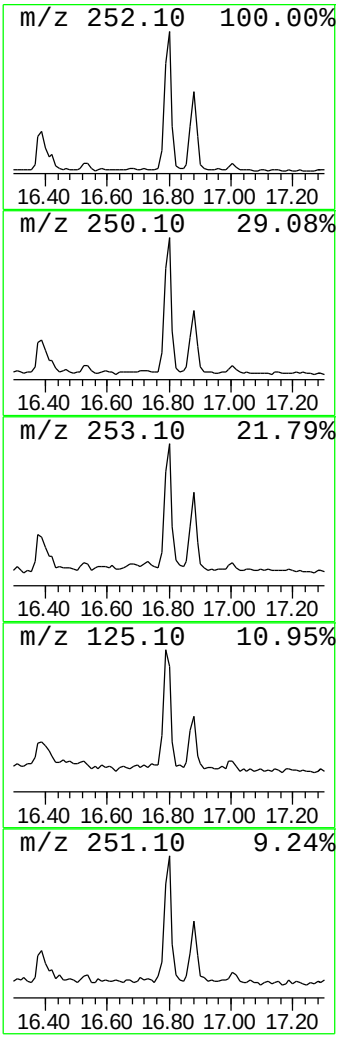
Peak Number 20 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	15.50 ng	471873	Perylene-d12	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060515\
Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT440NB6.5(4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060515.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
Hexane	1.70	215.6	ng	3160420	1	7.50	293131	20.0
3-Chloro-6-fluoro...	7.26	42.6	ng	624815	1	7.50	293131	20.0
Naphthalene, 2,6-...	10.14	18.1	ng	880927	3	10.56	975819	20.0
Naphthalene, 1,7-...	10.20	16.9	ng	826361	3	10.56	975819	20.0
Naphthalene, 1,6-...	10.24	16.2	ng	790771	3	10.56	975819	20.0
Naphthalene, 2,3-...	10.33	11.2	ng	548121	3	10.56	975819	20.0
Hexadecane	10.46	10.8	ng	527009	3	10.56	975819	20.0
Naphthalene, 2-(1...	10.65	12.4	ng	603349	3	10.56	975819	20.0
3-Methyl-4-(metho...	10.96	22.7	ng	1105510	3	10.56	975819	20.0
Naphthalene, 2-me...	11.13	14.1	ng	686548	3	10.56	975819	20.0
Phenanthrene, 2-m...	12.59	9.3	ng	926215	4	12.07	2001960	20.0
Anthracene, 2-met...	12.62	10.2	ng	1017110	4	12.07	2001960	20.0
Phenanthrene, 2,5...	13.18	12.2	ng	1217140	4	12.07	2001960	20.0
Pyrene, 1-methyl-	14.10	13.8	ng	703488	5	15.03	1020980	20.0
Pyrene, 4-methyl-	14.22	13.6	ng	693633	5	15.03	1020980	20.0
Fluoranthene, 2-m...	14.25	9.6	ng	488902	5	15.03	1020980	20.0
Benzo[e]pyrene	16.80	15.5	ng	471873	6	16.96	608685	20.0