LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090884.D
Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

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-BF102616.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	4.933	246	249	259	rBV	425991	597015	14.64%	0.779%
2	5.367	284	287	289	rBV	2636681	2676418	65.65%	3.491%
3	6.407	376	378	381	rBV	2014363	2579009	63.26%	3.364%
4	6.533	387	389	392	rBV	2139529	2832619	69.48%	3.694%
5	6.773	408	410	412	rBV	781406	765514	18.78%	0.998%
6	6.922	421	423	426	rBV	1526343	2130176	52.25%	2.778%
7	7.333	457	459	462	rBV	1283726	1613421	39.58%	2.104%
8	7.802	495	500	504	rBV3	34716	74308	1.82%	0.097%
9	8.053	520	522	527	rBV2	812620	1579776	38.75%	2.060%
10	8.773	582	585	587	rBV	222290	202057	4.96%	0.264%
11	8.865	592	593	596	rVB	112051	150931	3.70%	0.197%
12	9.139	614	617	619	rBV	3425396	3030739	74.34%	3.953%
13	9.230	622	625	629	rVB2	58759	111972	2.75%	0.146%
14	9.333	632	634	637	rVB	54658	69298	1.70%	0.090%
15	9.402	637	640	642	rBV	86703	133051	3.26%	0.174%
16	9.470	644	646	647	rBV	165862	155637	3.82%	0.203%
17	9.493	647	648	650	rVV	72382	96503	2.37%	0.126%
18	9.539	650	652	654	rVB	913868	976776	23.96%	1.274%
19	9.585	654	656	659	rVB	70801	111759	2.74%	0.146%
20	9.676	661	664	666	rBV2	120615	153806	3.77%	0.201%
21	9.813	673	676	677	rBV	1425547	1301311	31.92%	1.697%
22	9.848	677	679	681	rVB	451790	507878	12.46%	0.662%
23	9.916	683	685	687	rBV	42980	55928	1.37%	0.073%
24	9.973	687	690	691	rBV2	63189	88281	2.17%	0.115%
25	10.019	691	694	696	rBV	287065	300491	7.37%	0.392%
26	10.133	701	704	705	rBV2	69603	91190	2.24%	0.119%
27	10.225	709	712	713	rBV2	78113	137917	3.38%	0.180%
28	10.259	713	715	716	rVB2	51863	65923	1.62%	0.086%
29	10.305	716	719	722	rBV4	35133	61536	1.51%	0.080%
30	10.362	722	724	727	rBV2	324184	417864	10.25%	0.545%
31	10.419	727	729	730	rBV	77104	126415	3.10%	0.165%
32	10.522	736	738	740	rVB2	111184	166457	4.08%	0.217%
33	10.602	742	745	747	rBV	2039146	2004207	49.16%	2.614%
34	10.636	747	748	751	rVB2	55893	84784	2.08%	0.111%

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Misc :
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.728	753	756	759	rVB2	170383	216154	5.30%	0.282%
36	10.819	761	764	766	rBV4	36950	78122	1.92%	0.102%
37	10.911	768	772	773	rBV3	107725	220247	5.40%	0.287%
38	10.991	777	779	780	rVB	58301	67242	1.65%	0.088%
39	11.059	780	785	787	rBV2	161627	310370	7.61%	0.405%
40	11.105	787	789	791	rVB	80559	85030	2.09%	0.111%
41	11.173	791	795	799	rVB4	137364	447008	10.97%	0.583%
42	11.299	803	806	807	rBV	948524	1516573	37.20%	1.978%
43	11.322	807	808	810	rVV	3538940	2659597	65.24%	3.469%
44	11.368	810	812	814	rVB	616544	567490	13.92%	0.740%
45	11.402	814	815	818	rBV2	73227	100216	2.46%	0.131%
46	11.528	823	826	830	rBV2	249803	470120	11.53%	0.613%
47	11.596	830	832	834	rBV2	166910	154751	3.80%	0.202%
48	11.631	834	835	838	rVB3	69794	76949	1.89%	0.100%
49	11.688	838	840	844	rVB3	88671	166824	4.09%	0.218%
50	11.756	844	846	847	rBV2	31585	58515	1.44%	0.076%
51	11.802	847	850	851	rBV	378149	522825	12.82%	0.682%
52	11.825	851	852	854	rVB	881341	707495	17.35%	0.923%
53	11.871	854	856	858	rBV	264397	320073	7.85%	0.417%
54	11.905	858	859	864	rVB2	801064	1558280	38.22%	2.032%
55	11.985	864	866	869	rBV3	164923	292239	7.17%	0.381%
56	12.088	869	875	881	rBV5	322182	1073924	26.34%	1.401%
57	12.168	881	882	884	rVB	83624	60064	1.47%	0.078%
58	12.248	886	889	890	rBV2	340828	523214	12.83%	0.682%
59	12.351	895	898	899	rBV	387257	493580	12.11%	0.644%
60	12.408	899	903	904	rBV	1671307	1710488	41.96%	2.231%
61	12.431	904	905	908	rVB2	206571	283866	6.96%	0.370%
62	12.476	908	909	910	rBV	211712	189798	4.66%	0.248%
63	12.511	910	912	914	rVB	3722007	3373006	82.74%	4.399%
64	12.556	914	916	919	rVB4	120227	188350	4.62%	0.246%
65	12.602	919	920	922	rBV	152344	176273	4.32%	0.230%
66	12.671	922	926	929	rBV4	112869	378296	9.28%	0.493%
67	12.739	929	932	934	rBV	3510215	4076640	100.00%	5.317%
68	12.796	935	937	939	rVB2	525767	620956	15.23%	0.810%
69	12.854	940	942	943	rBV	245623	224412	5.50%	0.293%
70	12.888	943	945	948	rVB	1943382	2521857	61.86%	3.289%
71	12.956	948	951	953	rBV2	337104	553331	13.57%	0.722%

LSC Area Percent Report

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Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.025	953	957	959	rBV2	2078060	2625948	64.41%	3.425%
73	13.071	959	961	963	rVB	406308	556390	13.65%	0.726%
74	13.128	964	966	968	rBV2	321977	382807	9.39%	0.499%
75	13.162	968	969	971	rBV	686630	916627	22.48%	1.196%
76	13.265	976	978	979	rBV	259348	359093	8.81%	0.468%
77	13.288	979	980	984	rVB	365104	428456	10.51%	0.559%
78	13.357	984	986	987	rBV2	195625	258374	6.34%	0.337%
79	13.379	987	988	990	rVB	136575	186609	4.58%	0.243%
80	13.471	992	996	997	rBV3	165755	380742	9.34%	0.497%
81	13.494	997	998	1001	rVB2	330688	315037	7.73%	0.411%
82	13.574	1003	1005	1007	rVB	205600	276298	6.78%	0.360%
83	13.677	1012	1014	1016	rBV2	449767	774060	18.99%	1.010%
84	13.779	1022	1023	1028	rVB3	297235	513223	12.59%	0.669%
85	13.928	1033	1036	1038	rBV2	2088814	3447335	84.56%	4.496%
86	13.962	1038	1039	1042	rVB	1861210	1514134	37.14%	1.975%
87	14.042	1044	1046	1047	rVB	226228	222885	5.47%	0.291%
88	14.077	1047	1049	1051	rBV2	110306	157973	3.88%	0.206%
89	14.317	1068	1070	1072	rVB	252682	366103	8.98%	0.477%
90	14.442	1080	1081	1085	rVB4	191846	390356	9.58%	0.509%
91	14.957	1123	1126	1130	rBV	1333886	2834449	69.53%	3.697%
92	15.048	1133	1134	1136	rVB	262686	242783	5.96%	0.317%
93	15.231	1148	1150	1153	rVB	842047	1178989	28.92%	1.538%
94	15.288	1153	1155	1158	rVV	1076802	1689316	41.44%	2.203%
95	15.345	1158	1160	1170	rVB2	589149	1567777	38.46%	2.045%
96	15.997	1215	1217	1223	rVB3	185099	371213	9.11%	0.484%
97	16.397	1250	1252	1260	rVB3	238208	548344	13.45%	0.715%
98	16.705	1276	1279	1284	rVB2	423543	828606	20.33%	1.081%
99	16.865	1291	1293	1296	rBV	92553	209016	5.13%	0.273%
100	17.117	1312	1315	1319	rVB	335735	633552	15.54%	0.826%

Sum of corrected areas: 76671637

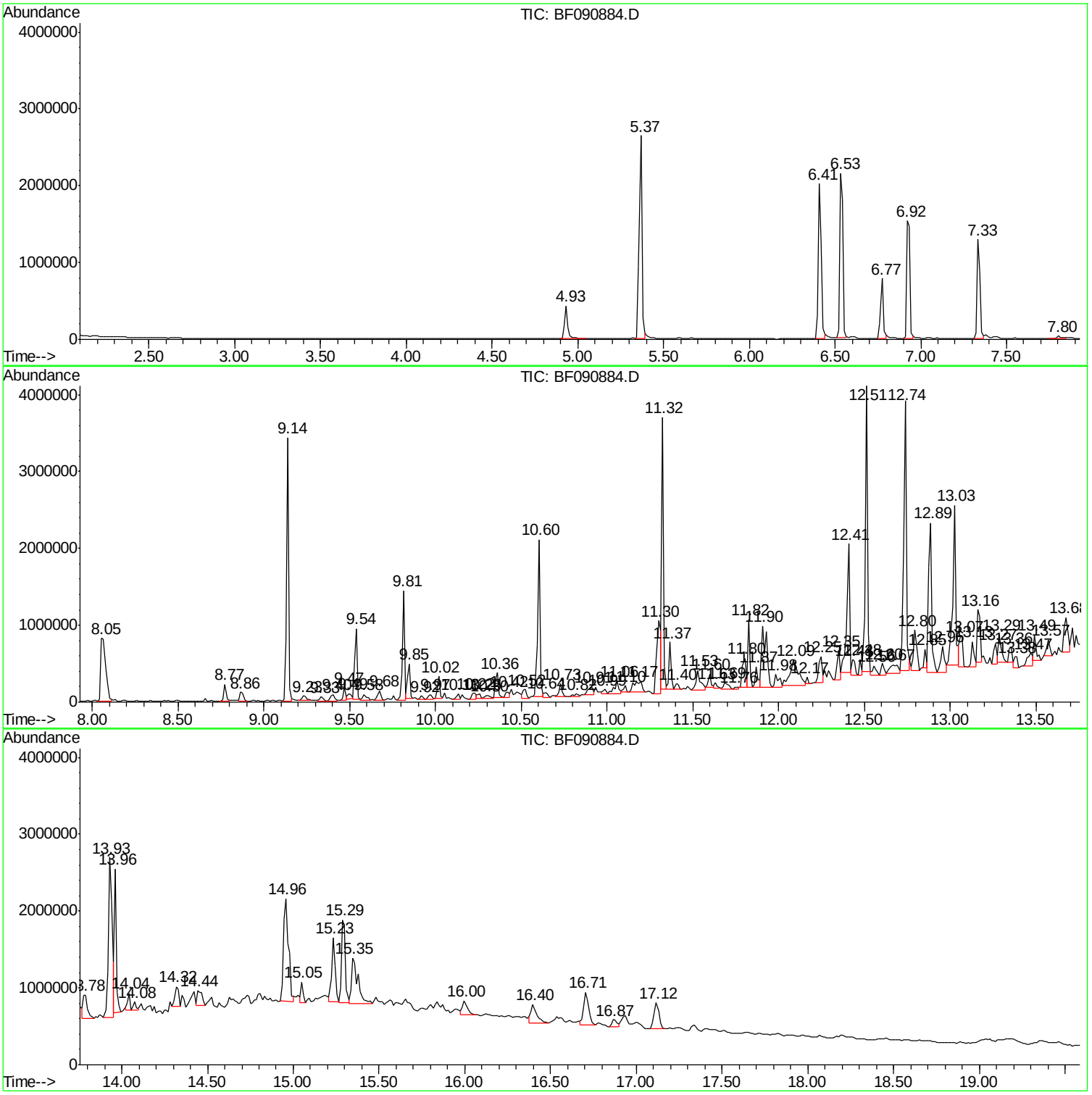
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090884.D
Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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\BF102716\
Data File : BF090884.D
Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

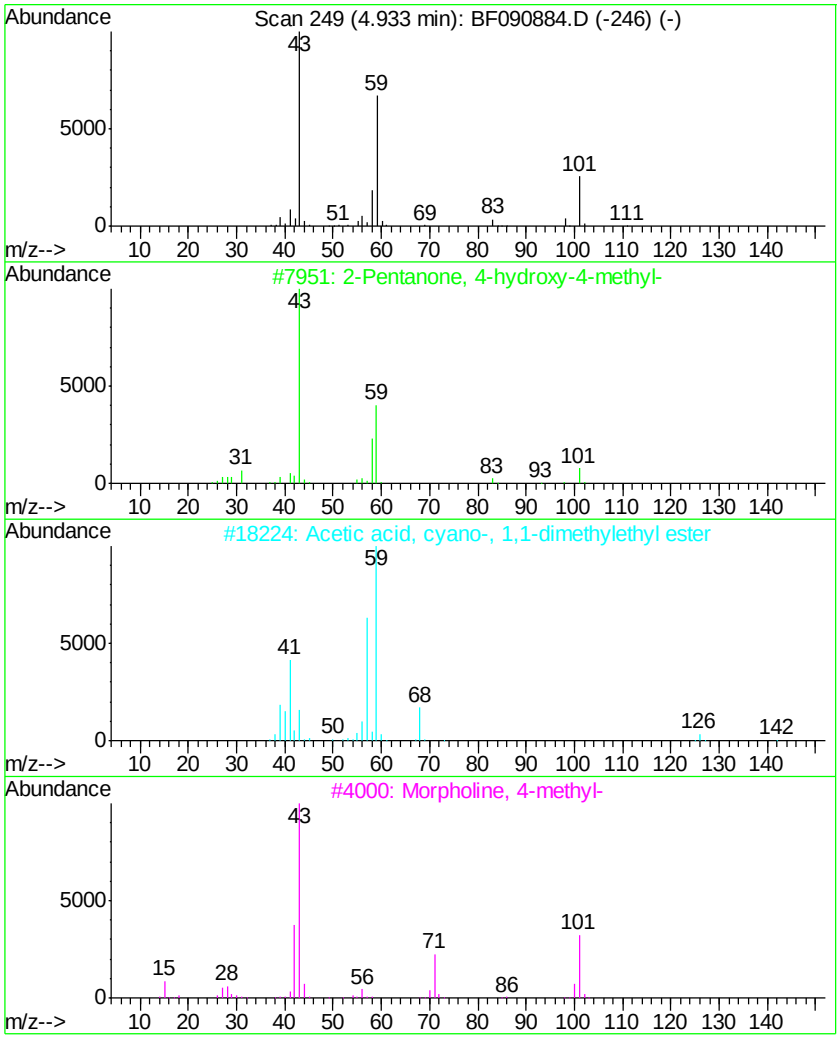
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

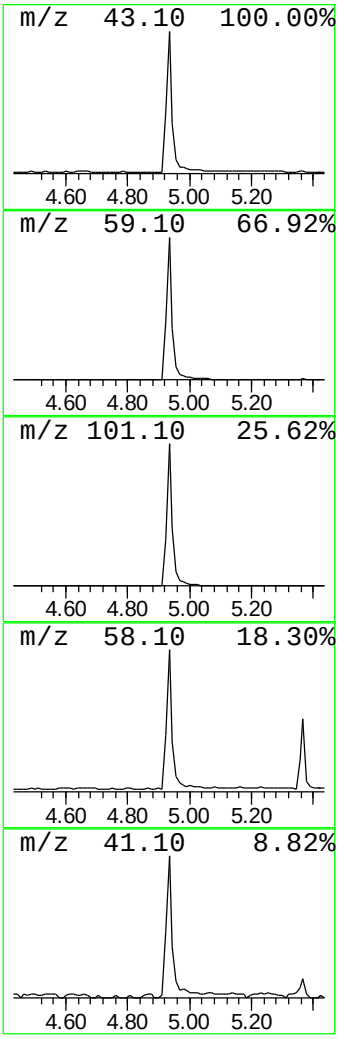
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	15.60 ng	597015	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Guanidine	59	CH5N3	000113-00-8	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
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Acq On : 27 Oct 2016 23:19
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ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

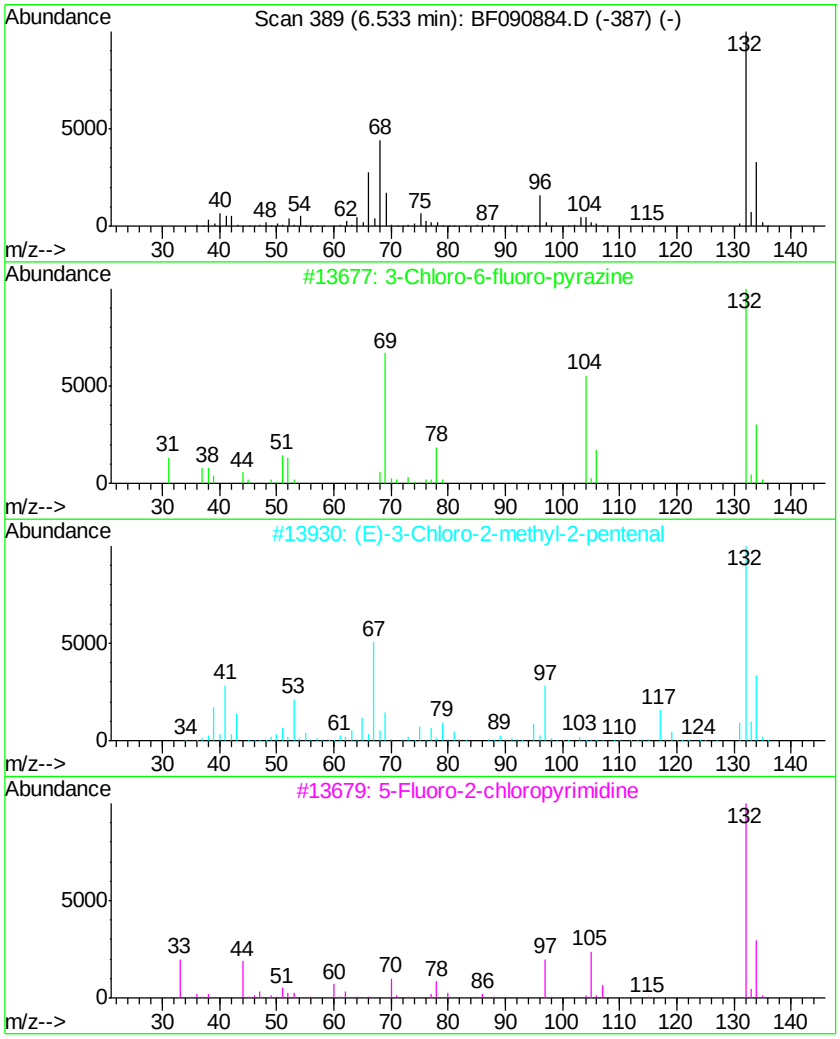
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

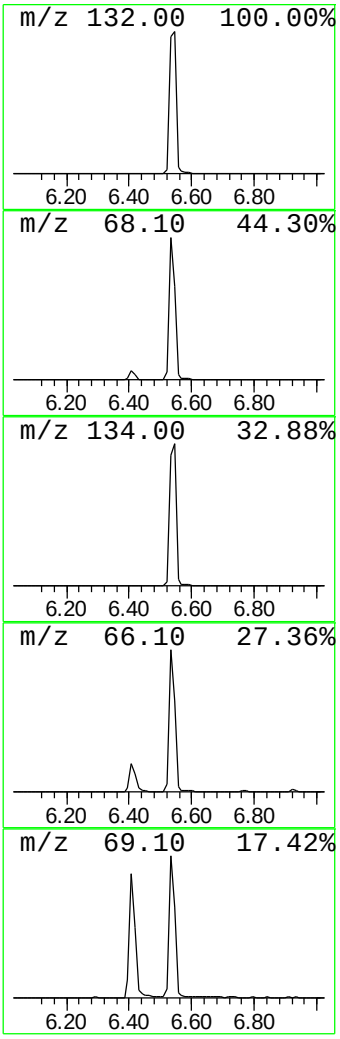
****

Peak Number 2 unknown6.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	74.01 ng	2832620	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

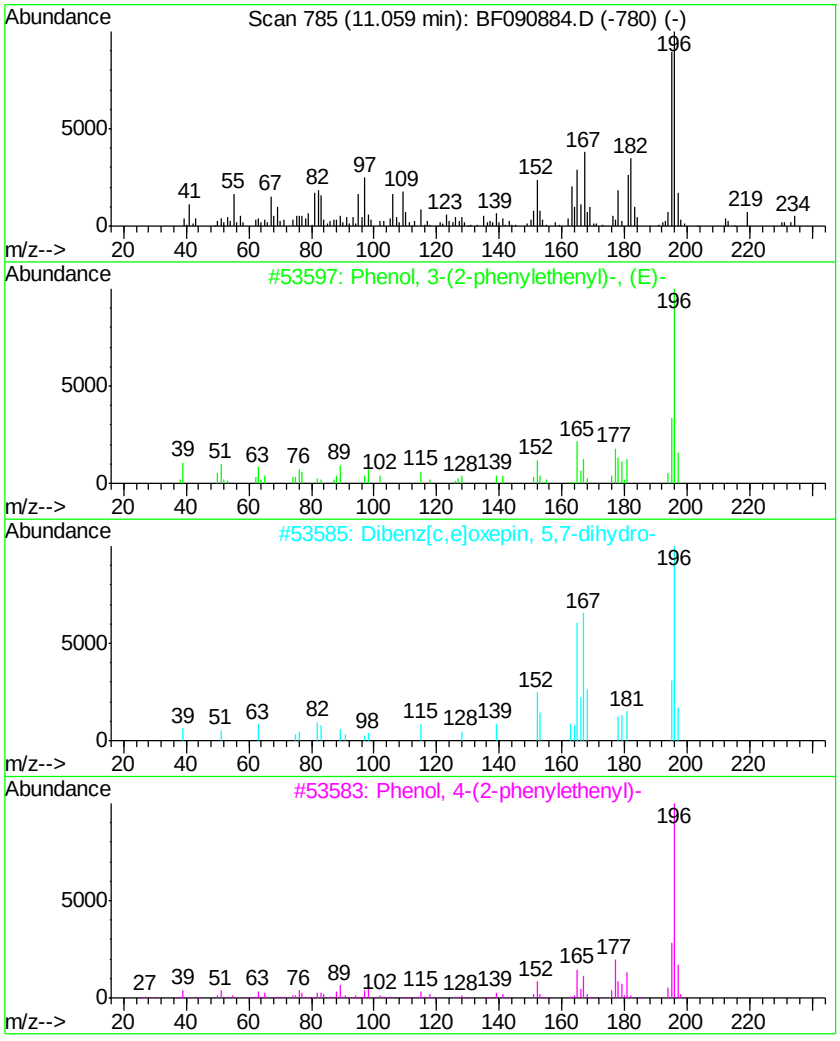
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

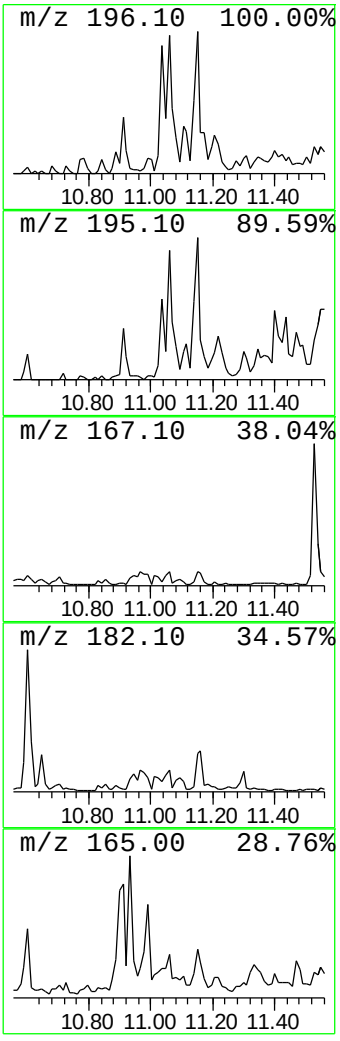
****

Peak Number 4 Phenol, 3-(2-phenylethenyl)... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	4.09 ng	310370	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	50
2	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	49
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
4	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	35
5	2-AMINO-6,7-DIMETHYL-5,6,7,8-TET...	195	C8H13N5O	1000239-36-2	30





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

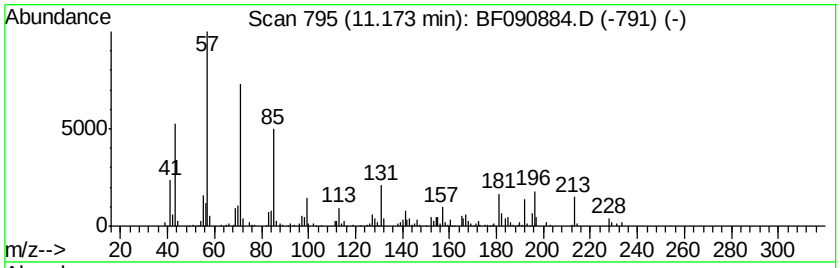
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

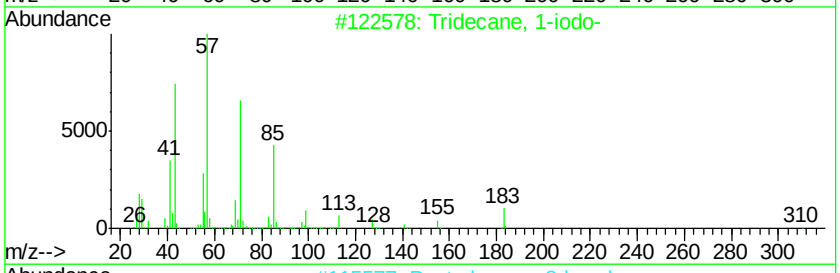
****

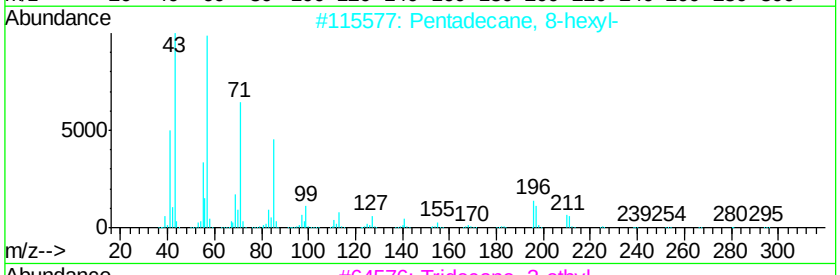
Peak Number 5 Tridecane, 1-iodo- Concentration Rank 14

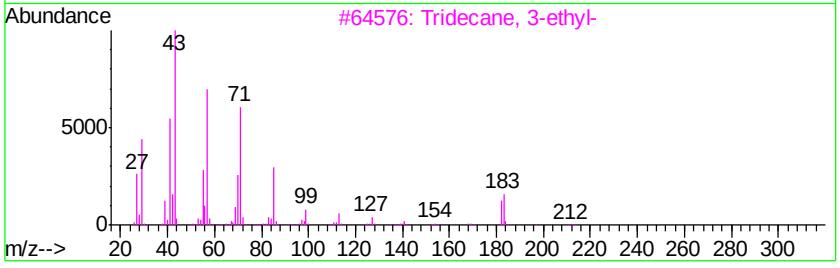
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	5.89 ng	447008	Phenanthrene-d10	11.30

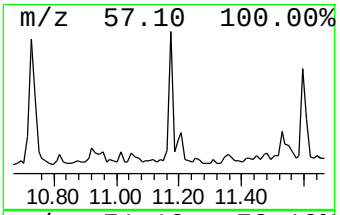
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	52
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	52
3	Tridecane, 3-ethyl-	212	C15H32	013286-73-2	52
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	52
5	Hexadecane	226	C16H34	000544-76-3	49

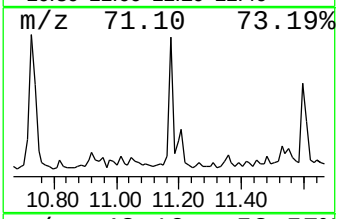


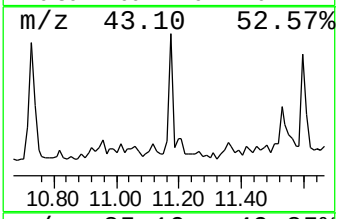


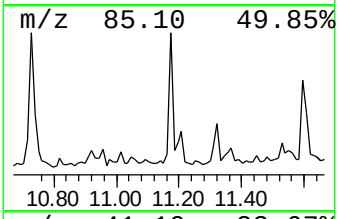


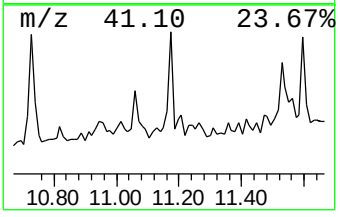












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Data File : BF090884.D
Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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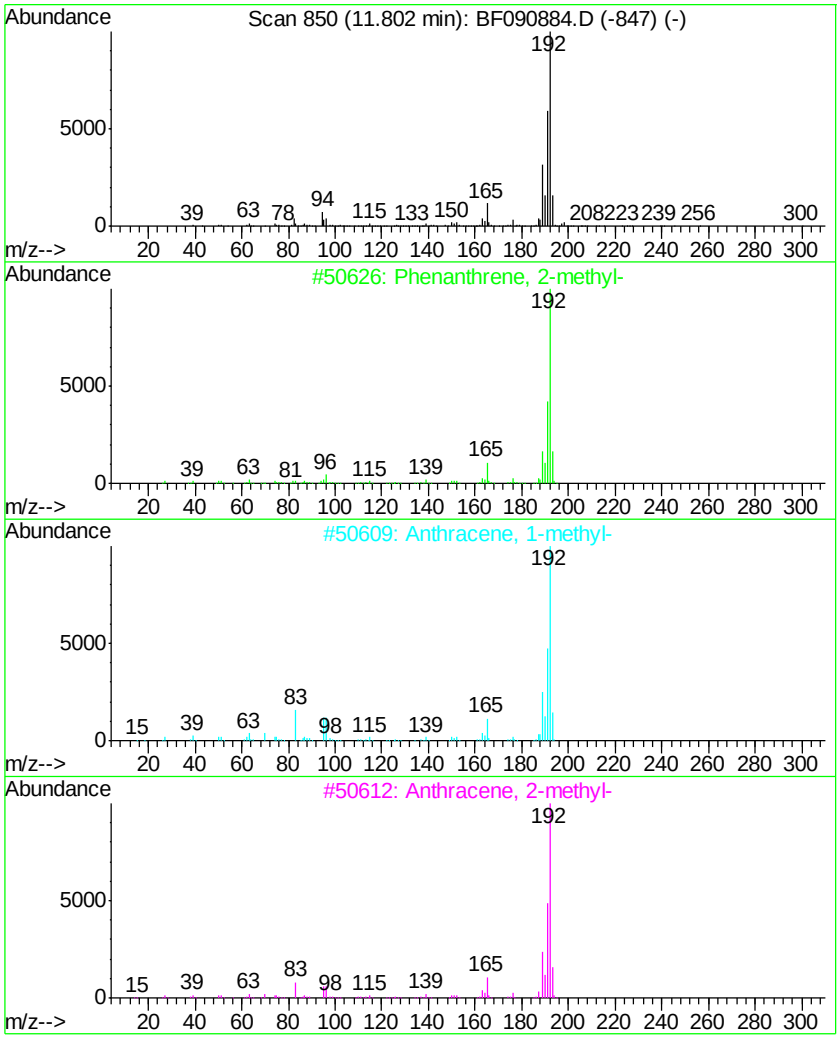
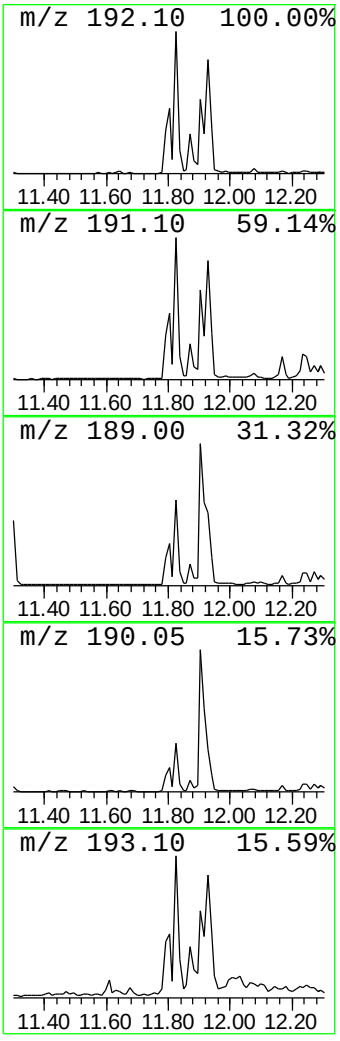
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	6.89 ng	522825	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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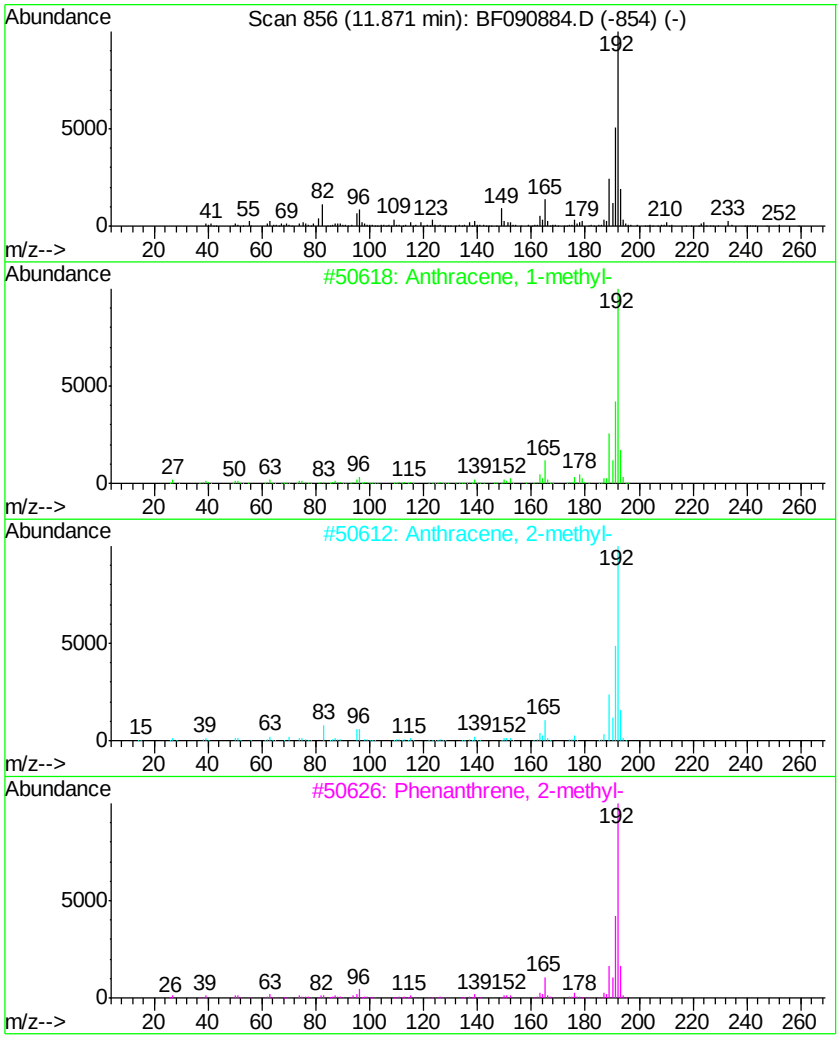
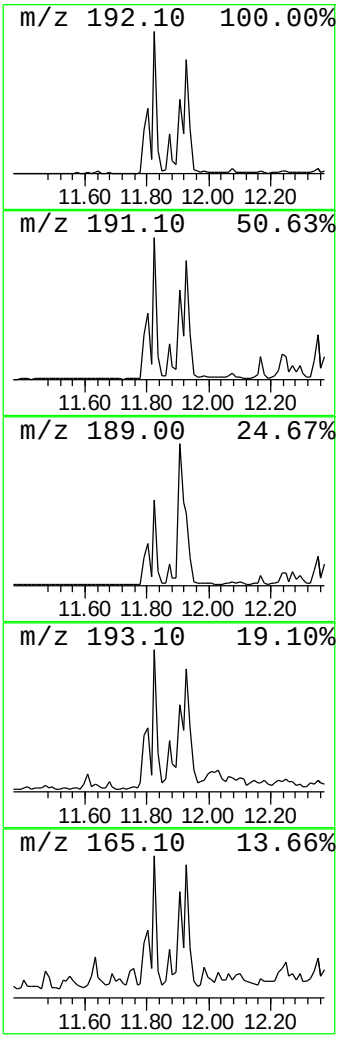
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	4.22 ng	320073	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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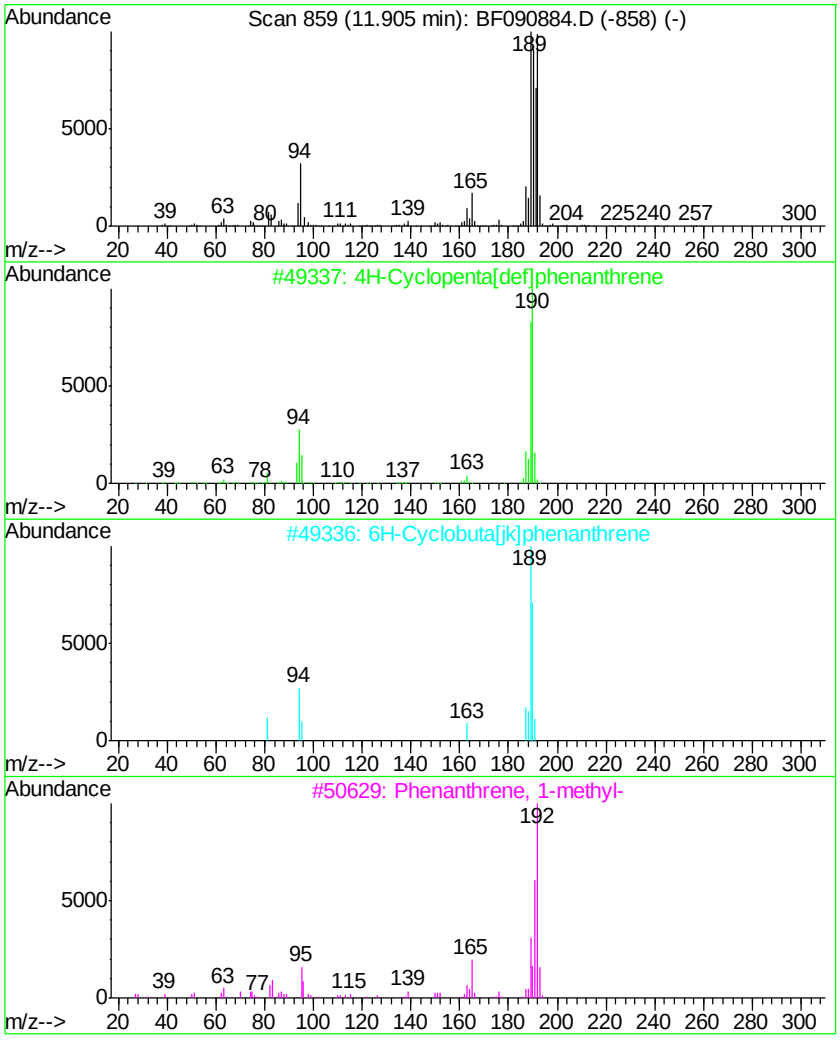
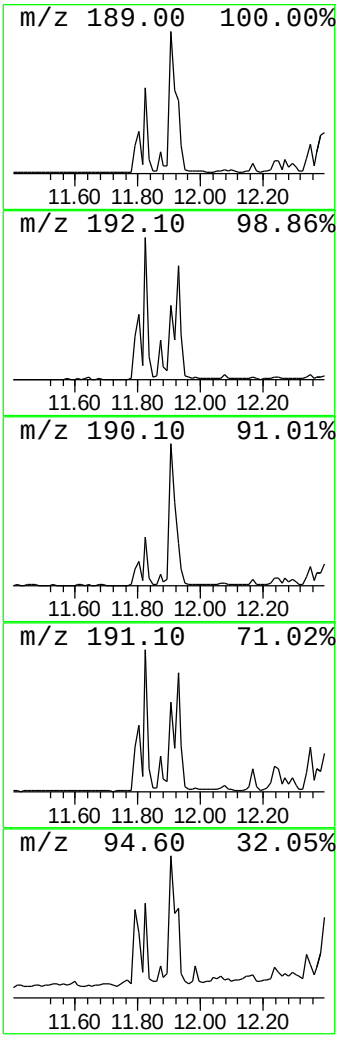
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	20.55 ng	1558280	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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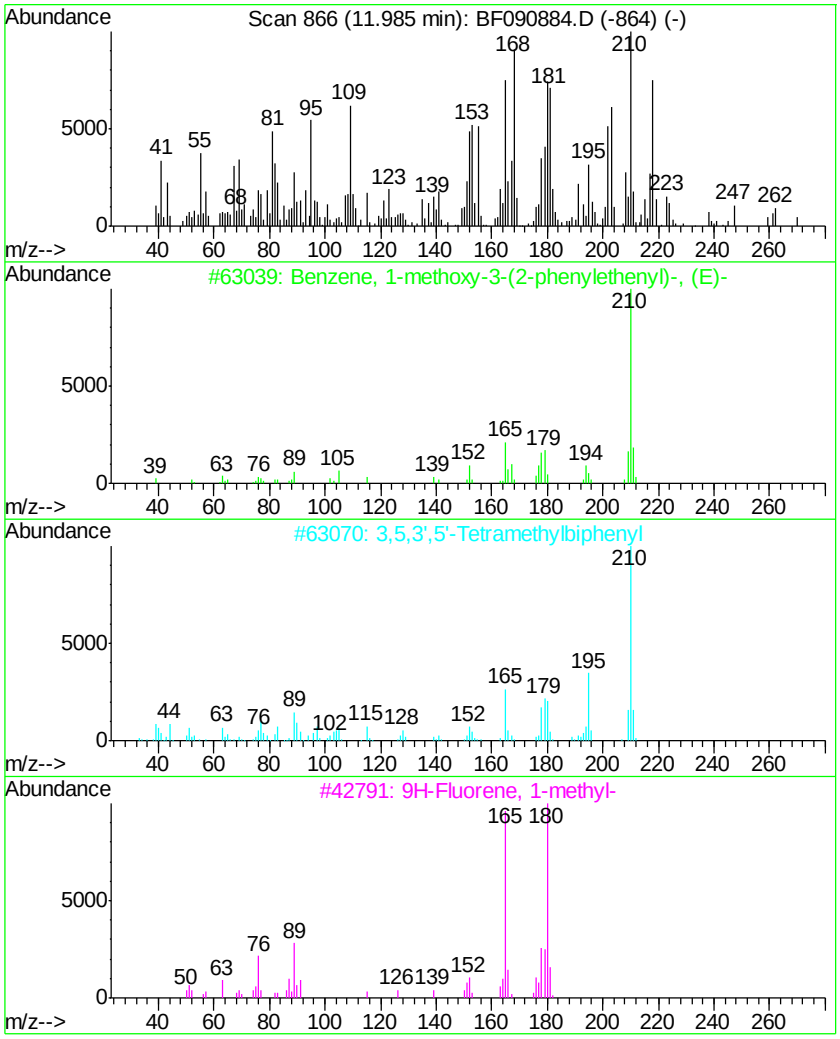
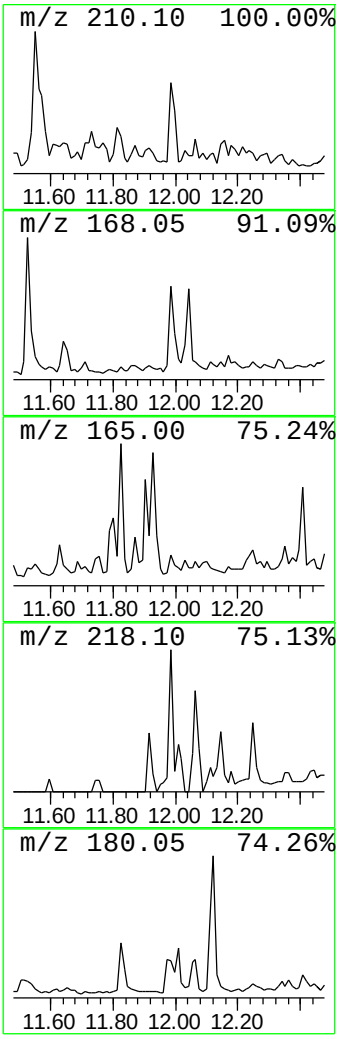
Peak Number 10 unknown11.98 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	3.85 ng	292239	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methoxy-3-(2-phenylet...	210	C15H14O	014064-41-6	48
2	3,5,3',5'-Tetramethylbiphenyl	210	C16H18	025570-02-9	38
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	35
4	1,2,3,3a,4,5,6,10b-Octahydrofluo...	210	C16H18	1000080-20-5	35
5	1,2,3-Thiadiazole, 4,5-diphenyl-	238	C14H10N2S	005393-99-7	35





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Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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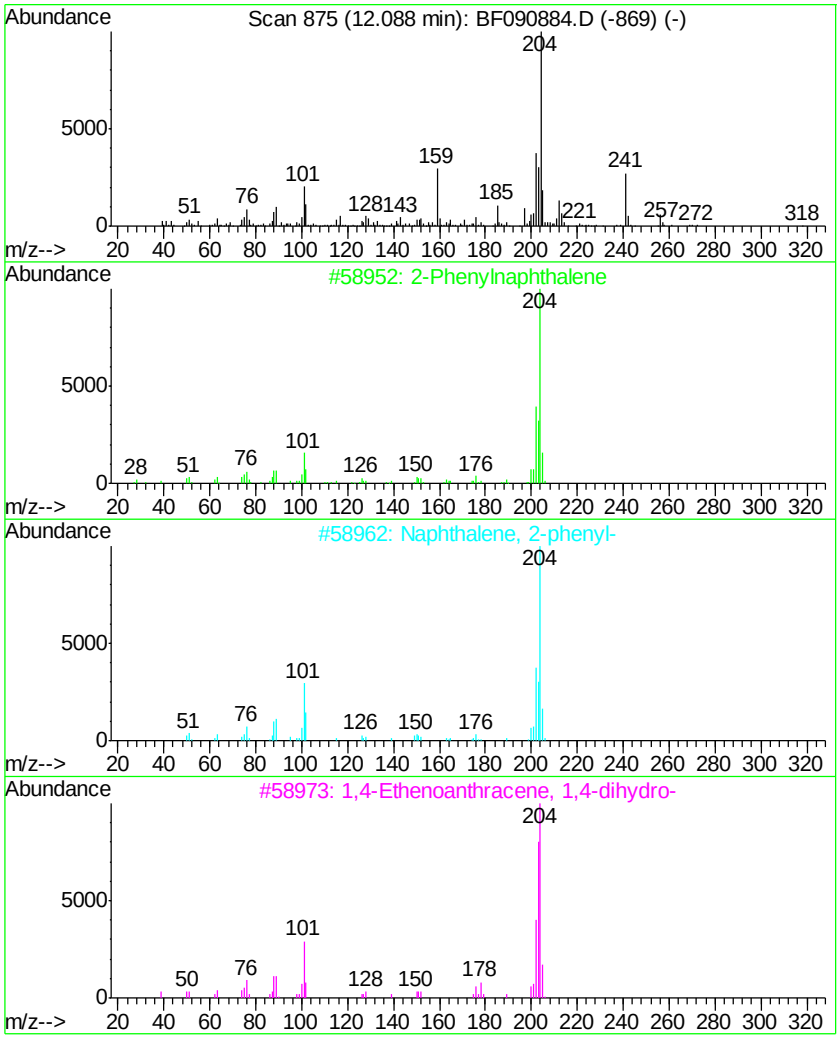
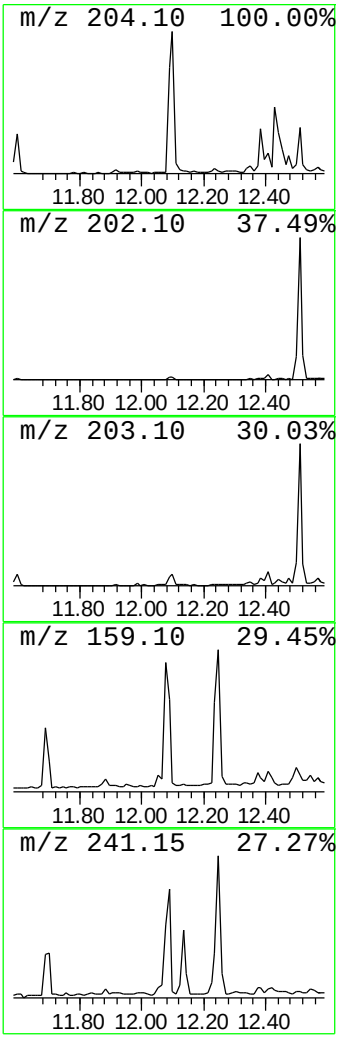
Peak Number 11 2-Phenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	14.16 ng	1073920	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	89
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55





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Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : SB-02-8.5-9.0

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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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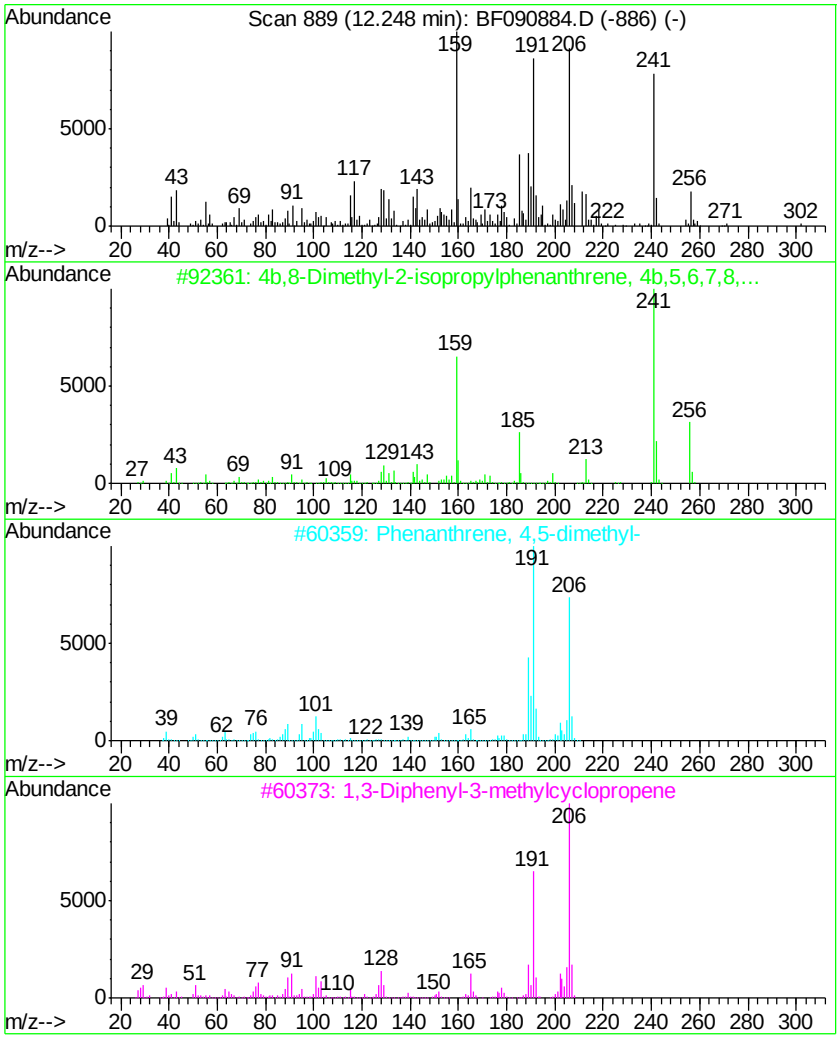
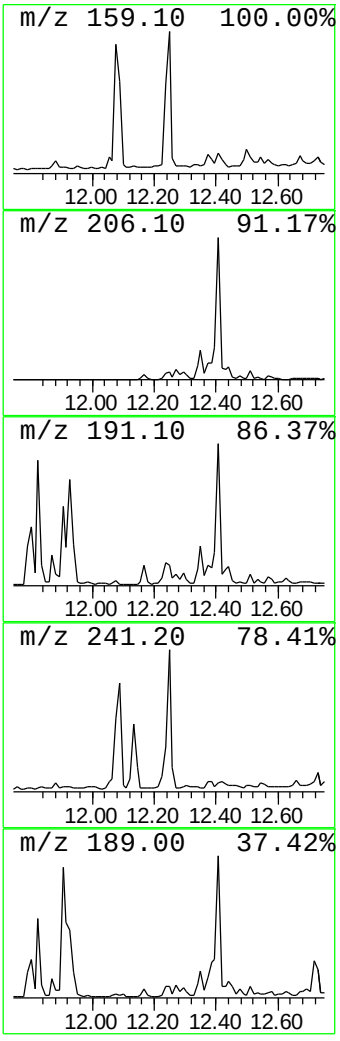
Peak Number 12 4b,8-Dimethyl-2-isopropylph... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	6.90 ng	523214	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	60
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	50
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	46





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Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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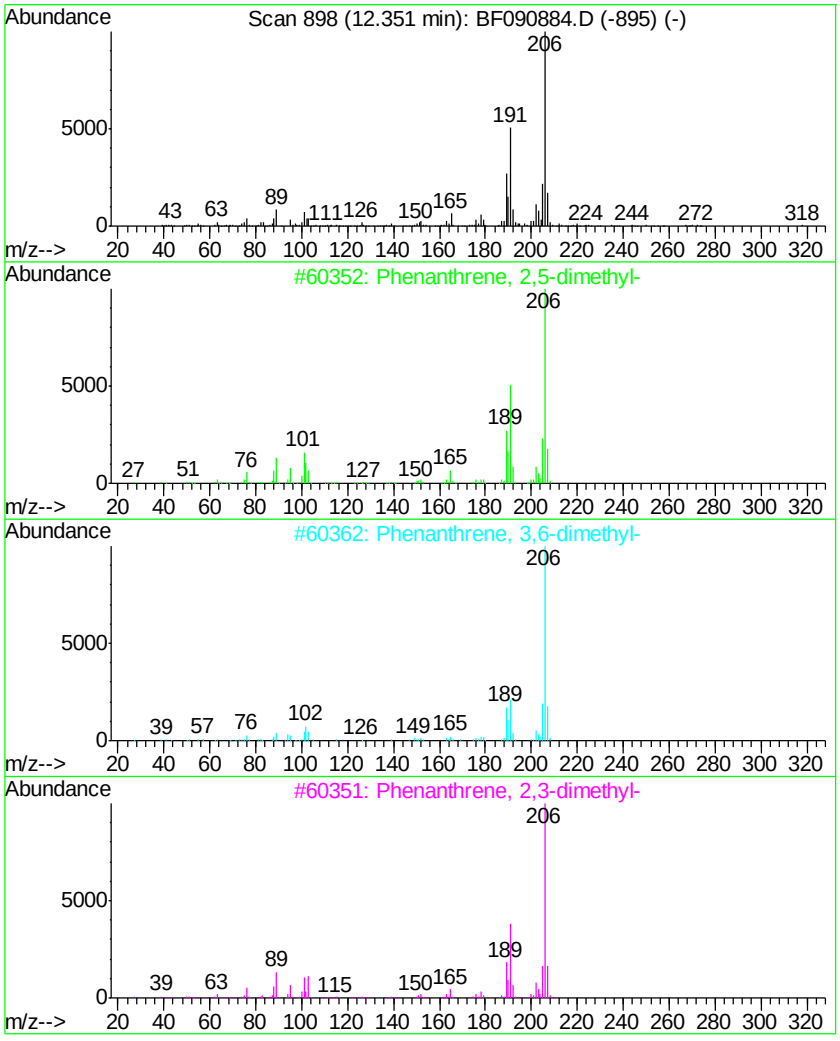
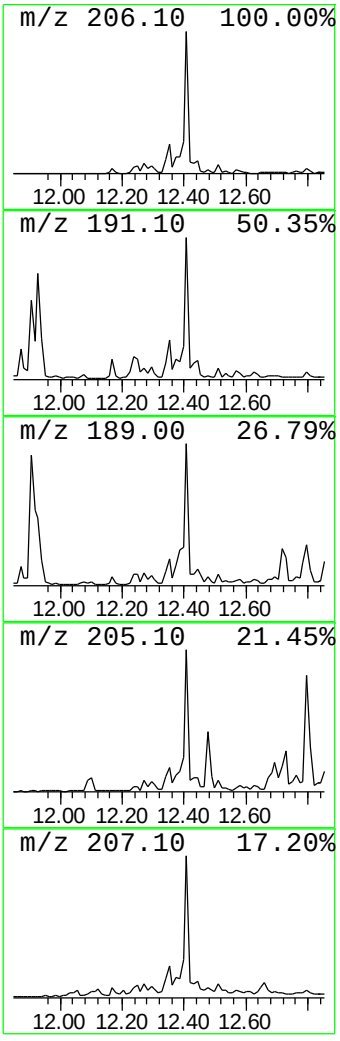
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	6.51 ng	493580	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87





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Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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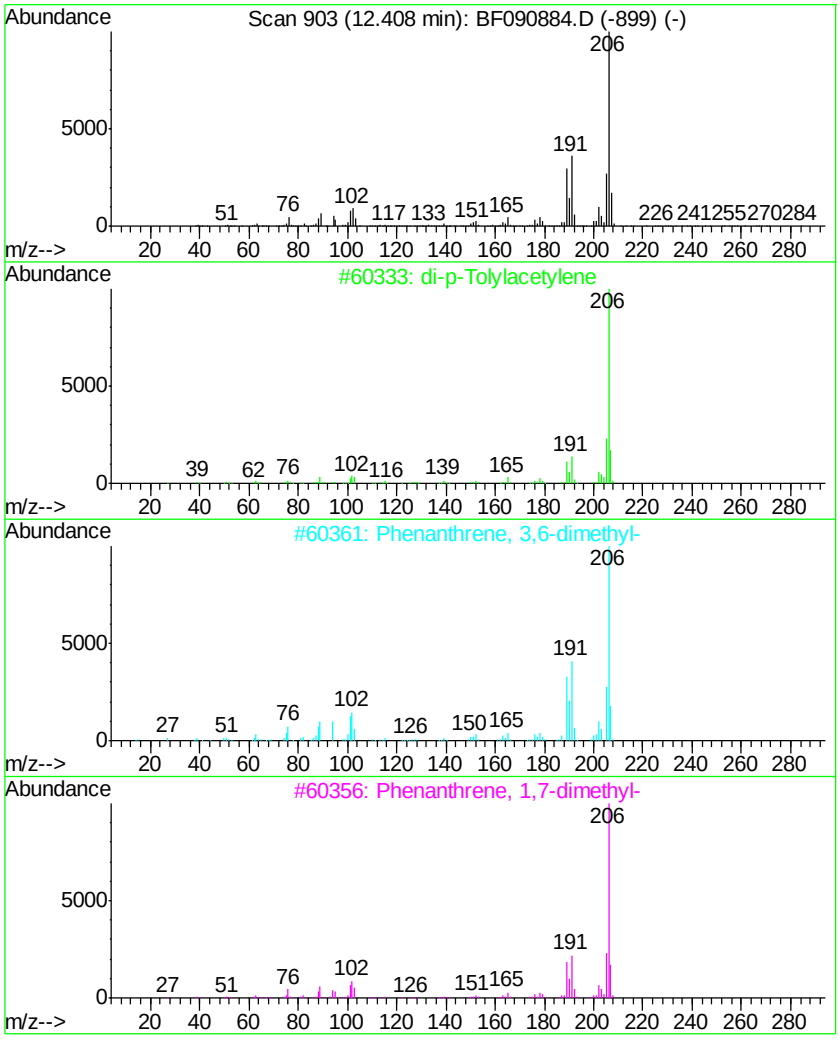
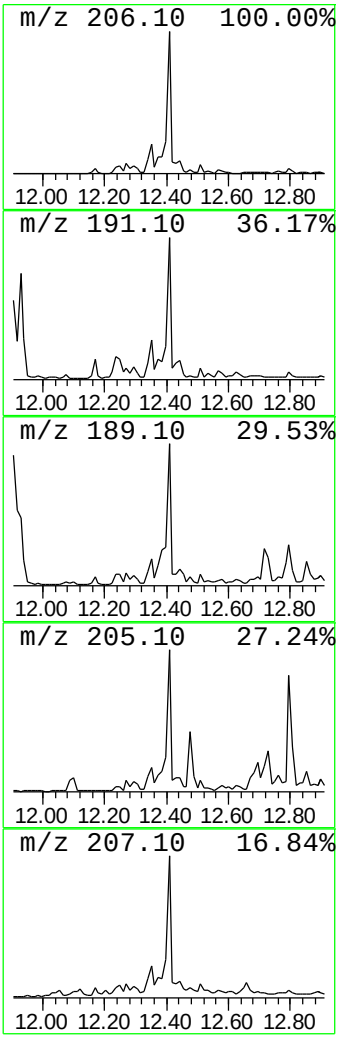
Peak Number 14 di-p-Tolylacetylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	22.56 ng	1710490	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





Library Search Compound Report

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Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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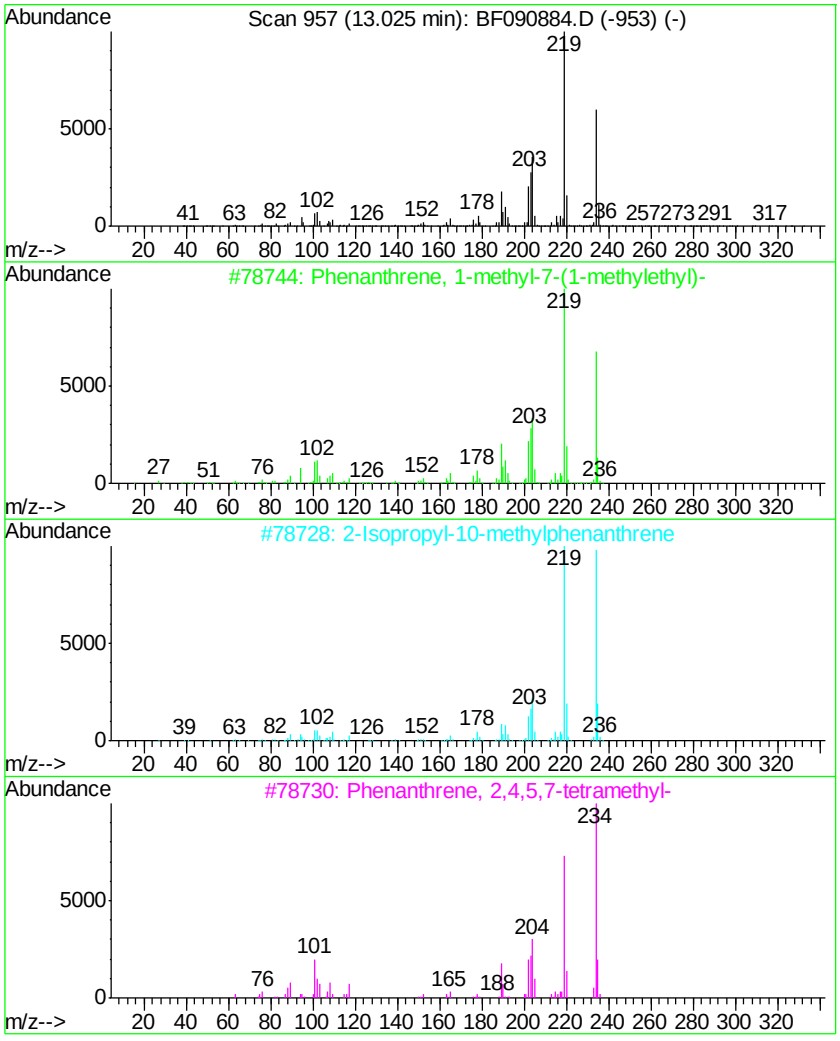
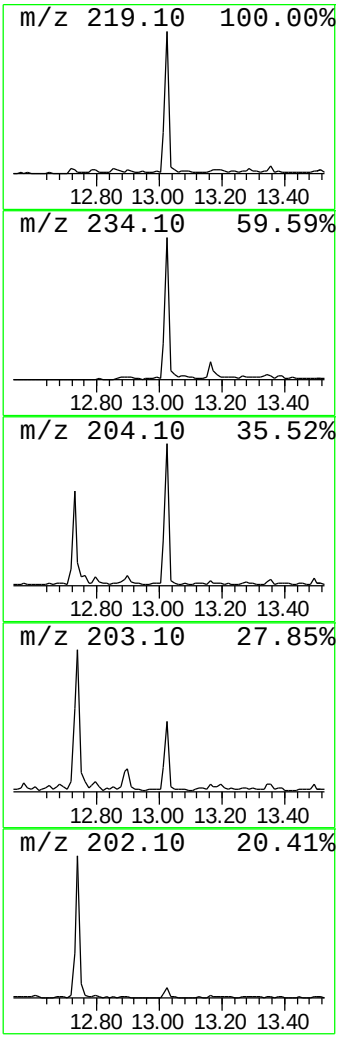
Peak Number 15 Phenanthrene, 1-methyl-7-(1... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	15.23 ng	2625950	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	92
3	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	68
4	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	58
5	Benzene, 1,3-bis(1,1-dimethyleth...	234	C16H26O	001518-53-2	50





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Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : SB-02-8.5-9.0

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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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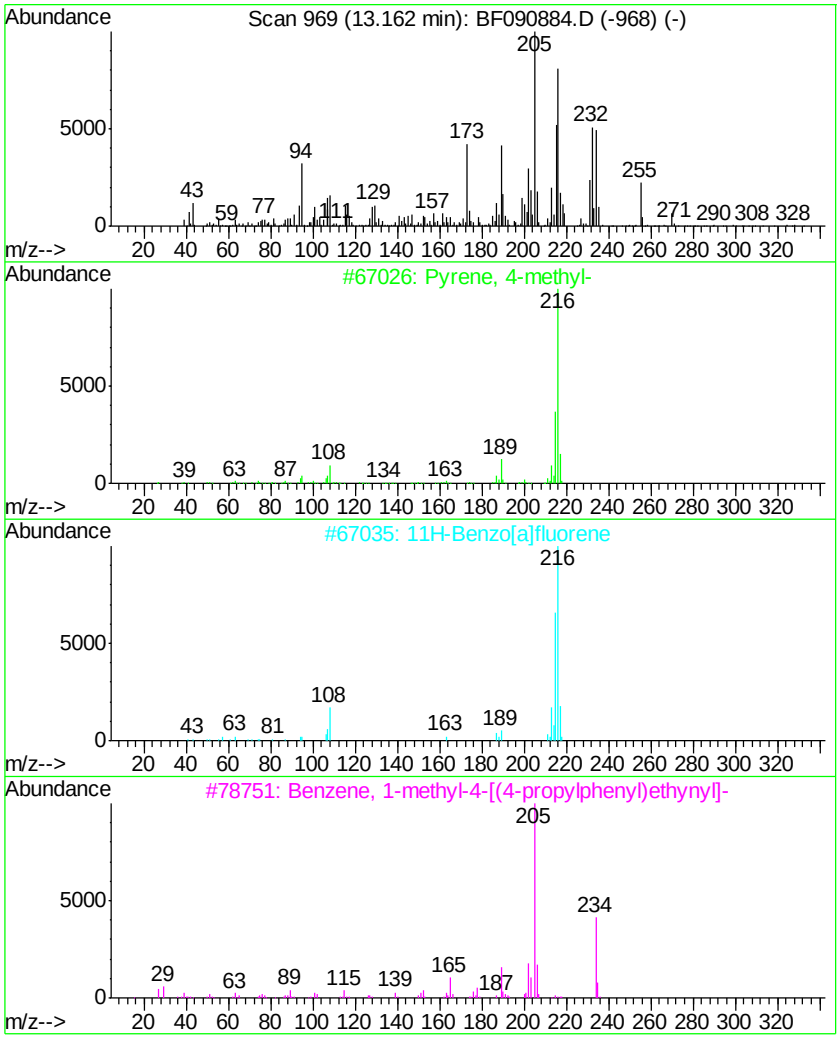
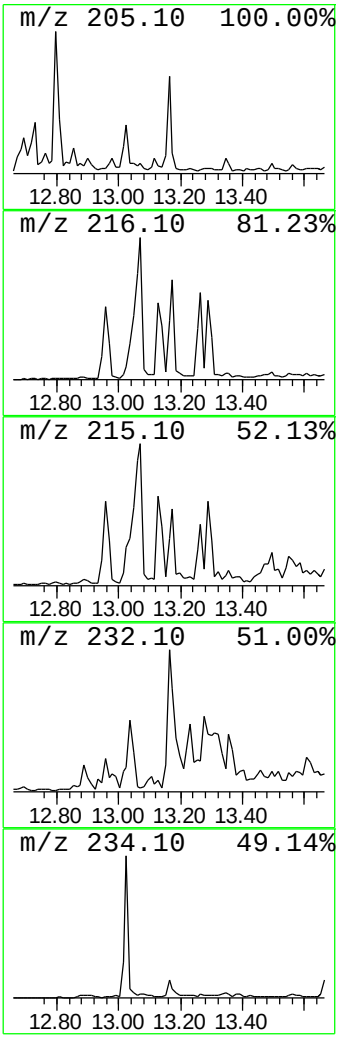
Peak Number 16 unknown13.16 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	5.32 ng	916627	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	38
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	35
3	Benzene, 1-methyl-4-[(4-propylph...	234	C18H18	184161-94-2	30
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	30
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	22





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Acq On : 27 Oct 2016 23:19
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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

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

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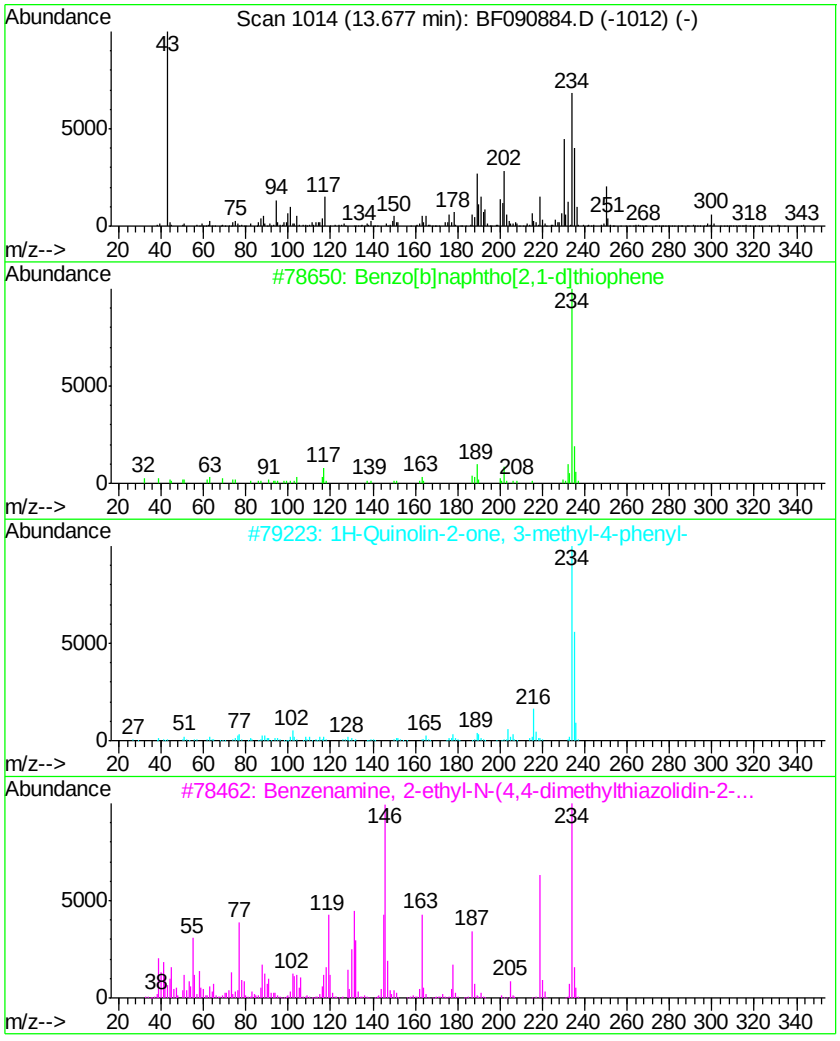
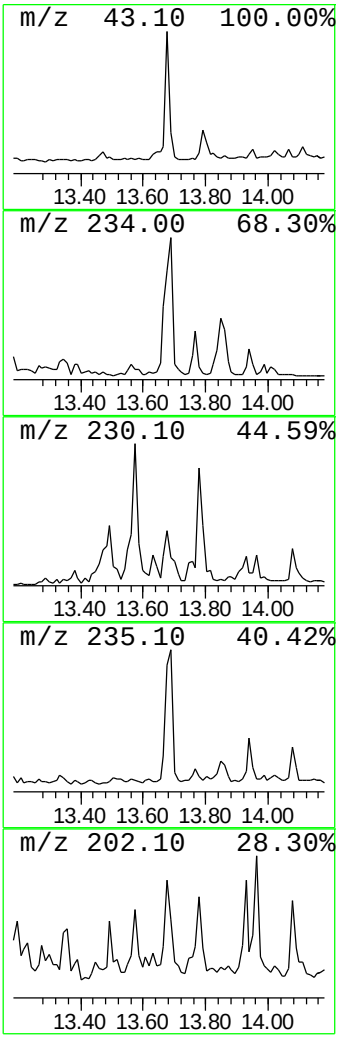
Peak Number 17 unknown13.68 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	4.49 ng	774060	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	25
2	1H-Quinolin-2-one, 3-methyl-4-ph...	235	C16H13NO	037118-75-5	25
3	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	25
4	5,6,8,9,10,11-Hexahydrobenz[a]an...	234	C18H18	067064-61-3	18
5	Ethanone, 1-[3-fluoro-4-(4-methy...	235	C14H18FNO	351039-00-4	16





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090884.D
Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

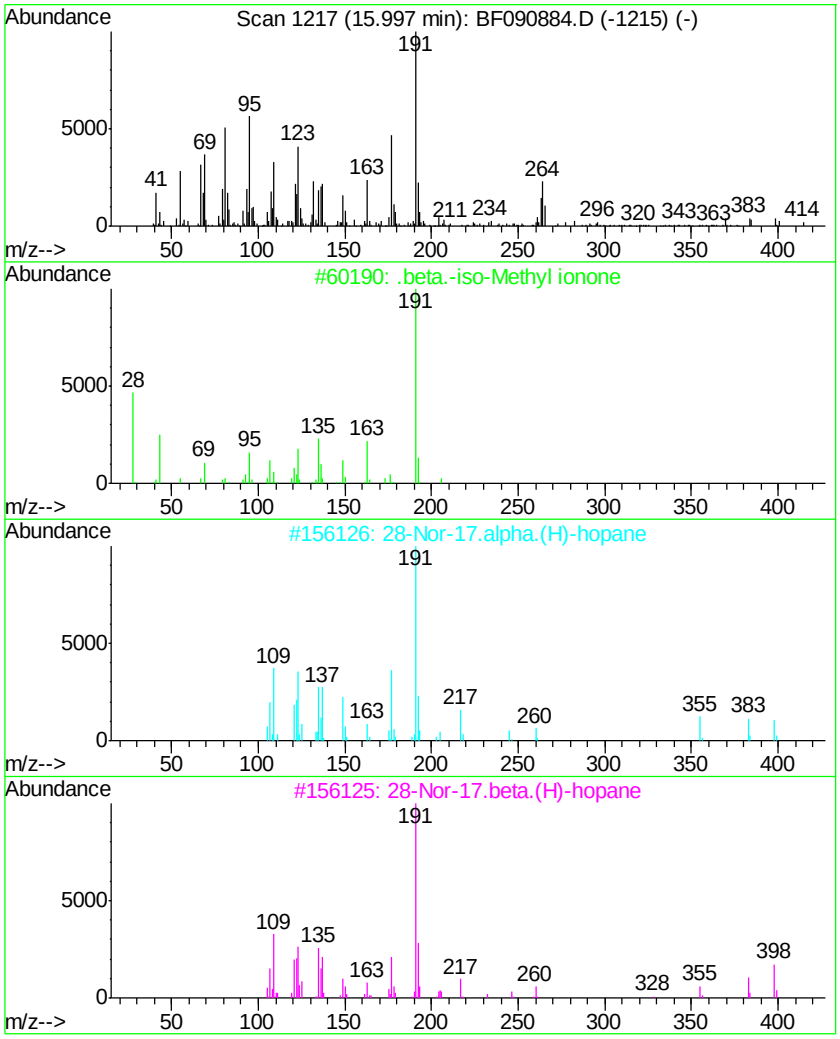
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

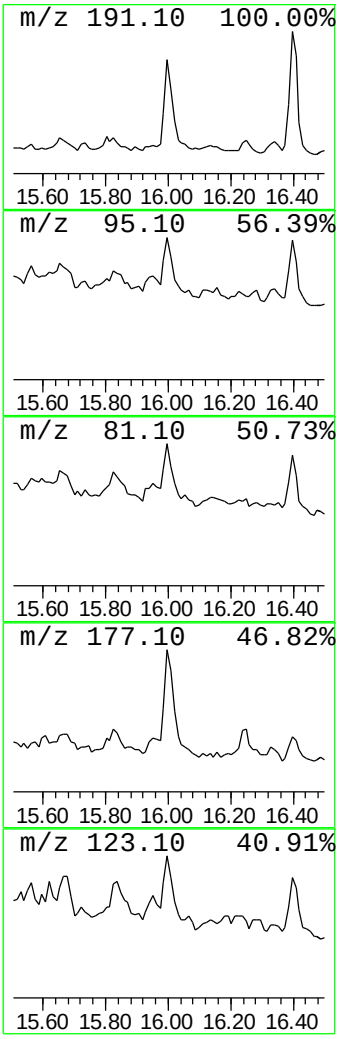
****

Peak Number 19 unknown16.00 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	4.74 ng	371213	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	38
2	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	38
3	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	27
4	1H-Indene, 1-(1,5-dimethyl-2-hex...	248	C18H32	054411-95-9	25
5	1,4-Benzenediol, 2-[(1,4,4a,5,6,...	314	C21H30O2	039707-55-6	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090884.D
Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

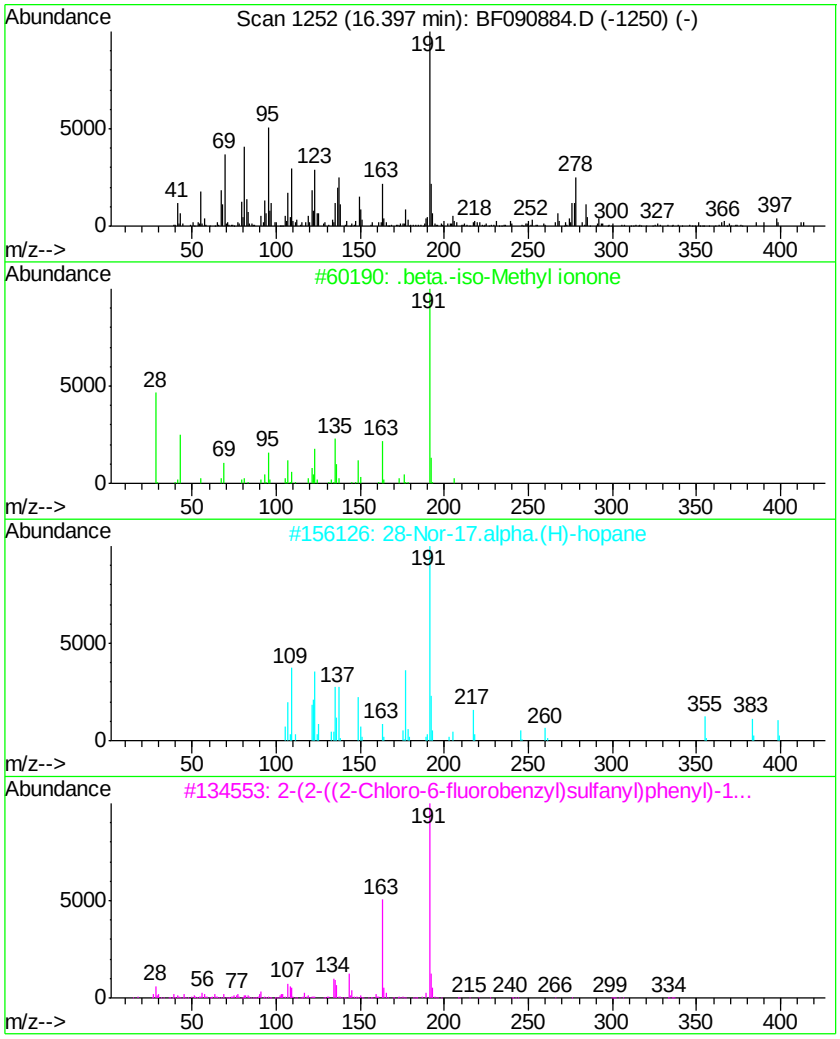
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

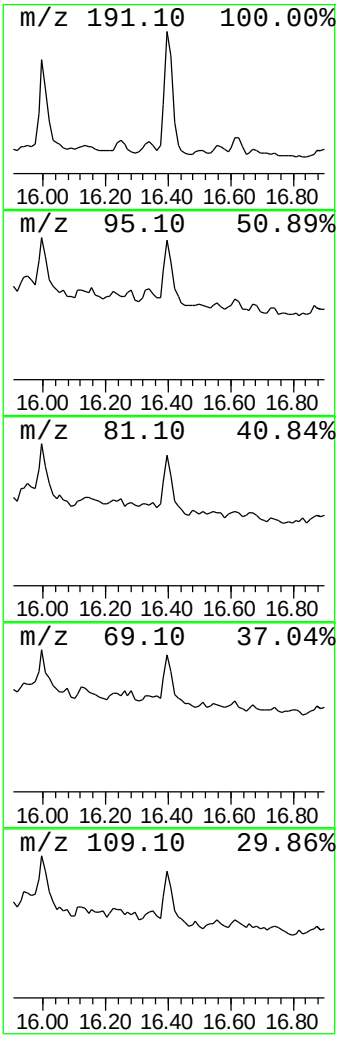
****

Peak Number 20 unknown16.40 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	7.00 ng	548344	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	43
2	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	38
3	2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	35
4	4,5-Dihydrothiazol-4-one, 2-(2-m...	222	C10H10N2O2S	022476-61-5	30
5	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
Data File : BF090884.D
Acq On : 27 Oct 2016 23:19
Operator : UM/SJ
Sample : H5411-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-8.5-9.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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...	4.93	15.6	ng	597015	1	6.77	765514	20.0
unknown6.53	6.53	74.0	ng	2832620	1	6.77	765514	20.0
Phenol, 3-(2-phen...	11.06	4.1	ng	310370	4	11.30	1516570	20.0
Tridecane, 1-iodo-	11.17	5.9	ng	447008	4	11.30	1516570	20.0
Phenanthrene, 2-m...	11.80	6.9	ng	522825	4	11.30	1516570	20.0
Anthracene, 1-met...	11.87	4.2	ng	320073	4	11.30	1516570	20.0
4H-Cyclopenta[def...	11.90	20.6	ng	1558280	4	11.30	1516570	20.0
unknown11.98	11.98	3.9	ng	292239	4	11.30	1516570	20.0
2-Phenylnaphthalene	12.09	14.2	ng	1073920	4	11.30	1516570	20.0
4b,8-Dimethyl-2-i...	12.25	6.9	ng	523214	4	11.30	1516570	20.0
Phenanthrene, 2,5...	12.35	6.5	ng	493580	4	11.30	1516570	20.0
di-p-Tolylacetylene	12.41	22.6	ng	1710490	4	11.30	1516570	20.0
Phenanthrene, 1-m...	13.03	15.2	ng	2625950	5	13.94	3447340	20.0
unknown13.16	13.16	5.3	ng	916627	5	13.94	3447340	20.0
unknown13.68	13.68	4.5	ng	774060	5	13.94	3447340	20.0
unknown16.00	16.00	4.7	ng	371213	6	15.35	1567780	20.0
unknown16.40	16.40	7.0	ng	548344	6	15.35	1567780	20.0