LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086656.D
Acq On : 3 May 2016 20:45
Operator : UM/SJ
Sample : H2685-16 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

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-BF042716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.596	130	132	139	rVB	17678	34916	1.02%	0.076%
2	4.910	245	247	256	rBV	53114	93050	2.71%	0.204%
3	5.344	282	285	287	rBV	2351685	3085565	89.93%	6.753%
4	5.756	318	321	331	rVB5	8965	41557	1.21%	0.091%
5	6.396	374	377	379	rBV	3087202	3431198	100.00%	7.509%
6	6.522	385	388	390	rBV	3090084	3283292	95.69%	7.186%
7	6.750	406	408	418	rBV	1253126	1191397	34.72%	2.607%
8	6.910	419	422	424	rBV	2335475	2343076	68.29%	5.128%
9	7.322	455	458	460	rBV	1658568	1921607	56.00%	4.206%
10	7.425	466	467	474	rVB2	20662	37303	1.09%	0.082%
11	8.042	518	521	523	rBV	1345406	1446524	42.16%	3.166%
12	9.116	613	615	617	rBV	3186818	2698042	78.63%	5.905%
13	9.208	621	623	631	rVB2	23395	54431	1.59%	0.119%
14	9.448	642	644	646	rBV	44694	55086	1.61%	0.121%
15	9.516	648	650	652	rVV	389348	398829	11.62%	0.873%
16	9.562	652	654	657	rVB2	16441	35171	1.03%	0.077%
17	9.653	659	662	664	rBV	35561	40486	1.18%	0.089%
18	9.733	667	669	671	rVB	76769	60305	1.76%	0.132%
19	9.790	671	674	676	rBV	1571957	1437146	41.88%	3.145%
20	9.825	676	677	679	rVB	113781	84848	2.47%	0.186%
21	9.950	686	688	690	rBV3	24623	43051	1.25%	0.094%
22	9.996	690	692	693	rVV	50986	58912	1.72%	0.129%
23	10.031	693	695	699	rVV2	24687	47736	1.39%	0.104%
24	10.202	707	710	711	rBV	25863	41646	1.21%	0.091%
25	10.225	711	712	714	rVB	71729	98189	2.86%	0.215%
26	10.339	720	722	725	rBV2	46685	71809	2.09%	0.157%
27	10.396	725	727	730	rBV2	35034	80530	2.35%	0.176%
28	10.453	730	732	734	rVV	41394	52536	1.53%	0.115%
29	10.499	734	736	738	rVB2	38241	57663	1.68%	0.126%
30	10.579	740	743	745	rBV	1232995	1453243	42.35%	3.180%
31	10.705	751	754	757	rVB	160466	195842	5.71%	0.429%
32	10.888	766	770	771	rBV3	36684	77672	2.26%	0.170%
33	10.911	771	772	775	rVV	42613	54621	1.59%	0.120%
34	11.036	778	783	785	rBV3	40038	105964	3.09%	0.232%

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Sample : H2685-16 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

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-BF042716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.082	785	787	789	rVB	39718	54427	1.59%	0.119%
36	11.128	789	791	792	rBV	42969	62332	1.82%	0.136%
37	11.151	792	793	800	rVB2	96811	174776	5.09%	0.383%
38	11.265	801	803	804	rBV	750796	952638	27.76%	2.085%
39	11.299	804	806	808	rVV	899337	1258010	36.66%	2.753%
40	11.345	808	810	812	rVB	193994	186359	5.43%	0.408%
41	11.505	821	824	828	rBV3	52928	126307	3.68%	0.276%
42	11.573	828	830	831	rVV	55304	57371	1.67%	0.126%
43	11.596	831	832	837	rVB2	49093	59017	1.72%	0.129%
44	11.676	837	839	842	rVB3	30994	52927	1.54%	0.116%
45	11.768	845	847	849	rBV	268672	369122	10.76%	0.808%
46	11.802	849	850	852	rVB	317252	265439	7.74%	0.581%
47	11.848	852	854	855	rBV	70555	61748	1.80%	0.135%
48	11.882	855	857	862	rVB2	409967	670827	19.55%	1.468%
49	11.985	862	866	867	rBV4	40215	95982	2.80%	0.210%
50	12.065	870	873	874	rBV	169378	193971	5.65%	0.425%
51	12.214	883	886	888	rBV2	142629	189188	5.51%	0.414%
52	12.248	888	889	892	rVB	73355	101566	2.96%	0.222%
53	12.316	893	895	897	rVV	190482	245615	7.16%	0.538%
54	12.351	897	898	901	rVB2	103755	164293	4.79%	0.360%
55	12.408	901	903	907	rVB2	135627	199596	5.82%	0.437%
56	12.476	907	909	912	rBV	1559505	1637423	47.72%	3.584%
57	12.522	912	913	919	rVB4	104309	163437	4.76%	0.358%
58	12.614	919	921	926	rBV5	61489	158426	4.62%	0.347%
59	12.705	926	929	932	rBV	1820839	2028517	59.12%	4.440%
60	12.854	938	942	946	rBV	1808384	1913720	55.77%	4.188%
61	12.922	946	948	952	rVV4	152042	259181	7.55%	0.567%
62	13.037	952	958	960	rVB3	169248	428981	12.50%	0.939%
63	13.105	960	964	965	rBV3	107534	169963	4.95%	0.372%
64	13.139	965	967	968	rBV	244726	260794	7.60%	0.571%
65	13.231	973	975	976	rBV	152045	133438	3.89%	0.292%
66	13.254	976	977	979	rBV	101481	142760	4.16%	0.312%
67	13.437	991	993	999	rVB3	52569	114505	3.34%	0.251%
68	13.539	1000	1002	1006	rVB	168906	190842	5.56%	0.418%
69	13.654	1009	1012	1013	rBV2	144839	259217	7.55%	0.567%
70	13.677	1013	1014	1015	rVV	166107	153163	4.46%	0.335%
71	13.757	1019	1021	1025	rVB2	130210	321304	9.36%	0.703%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H2685-16 2X
Misc :
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.905	1030	1034	1040	rBV2	1182569	3149599	91.79%	6.893%
73	14.008	1041	1043	1044	rVB	113037	104542	3.05%	0.229%
74	14.077	1047	1049	1053	rVV5	44431	92350	2.69%	0.202%
75	14.294	1065	1068	1069	rBV	120058	180338	5.26%	0.395%
76	14.317	1069	1070	1072	rVB	75500	91285	2.66%	0.200%
77	14.385	1073	1076	1077	rVB3	69092	100255	2.92%	0.219%
78	14.660	1098	1100	1101	rBV	70987	83528	2.43%	0.183%
79	14.911	1119	1122	1127	rBV	583864	1209435	35.25%	2.647%
80	15.002	1128	1130	1132	rVB2	99359	135270	3.94%	0.296%
81	15.185	1143	1146	1149	rBV	314838	425745	12.41%	0.932%
82	15.242	1149	1151	1153	rBV	413570	523436	15.26%	1.146%
83	15.300	1153	1156	1158	rBV	585227	800316	23.32%	1.752%
84	15.734	1192	1194	1196	rBV	61326	95559	2.79%	0.209%
85	16.625	1269	1272	1274	rBV2	143726	286597	8.35%	0.627%
86	17.025	1303	1307	1314	rVB	137550	323624	9.43%	0.708%

Sum of corrected areas: 45692304

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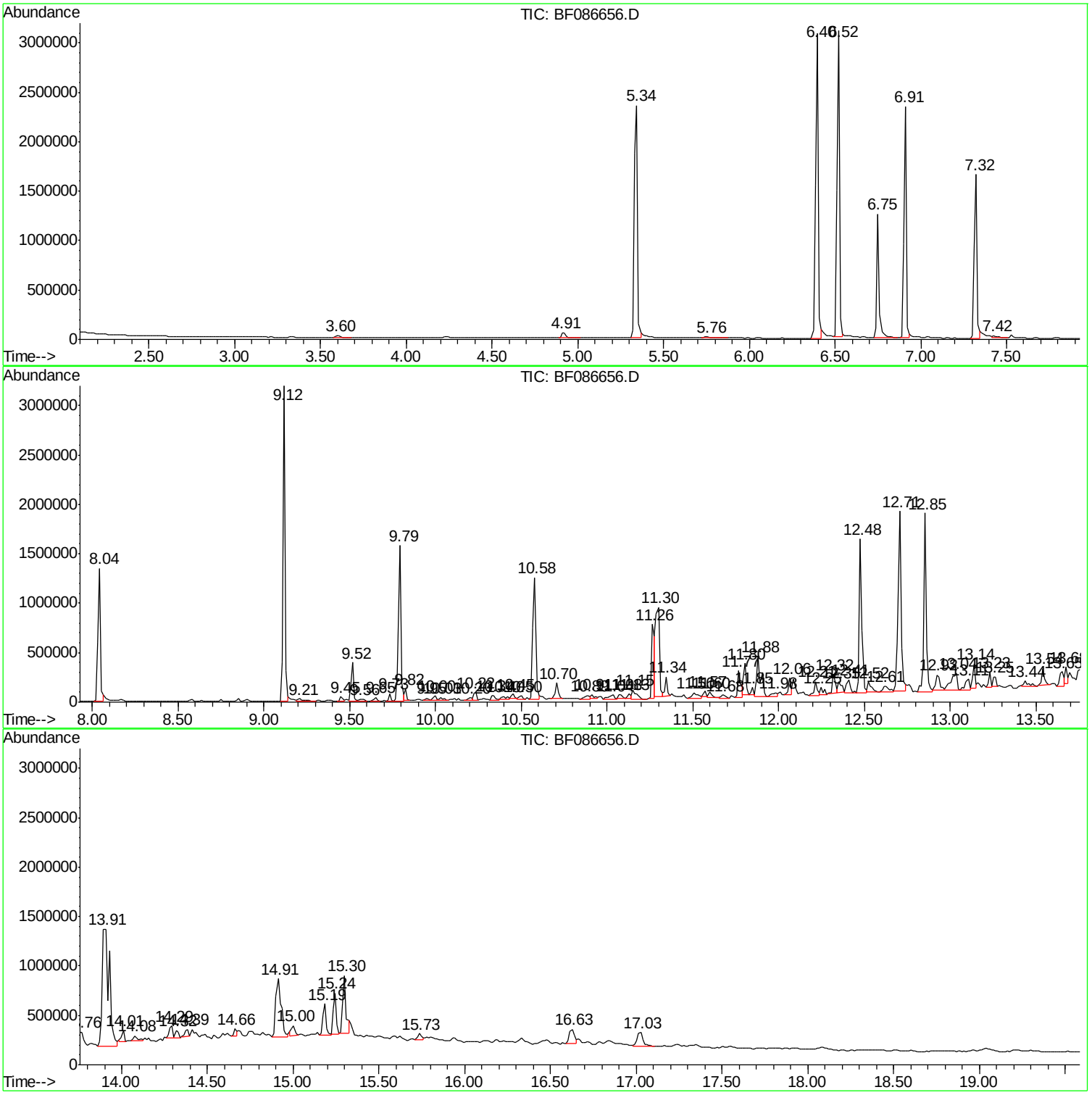
Instrument :
BNA_F
ClientSampleId :
26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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\BF050316\
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Acq On : 3 May 2016 20:45
Operator : UM/SJ
Sample : H2685-16 2X
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Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

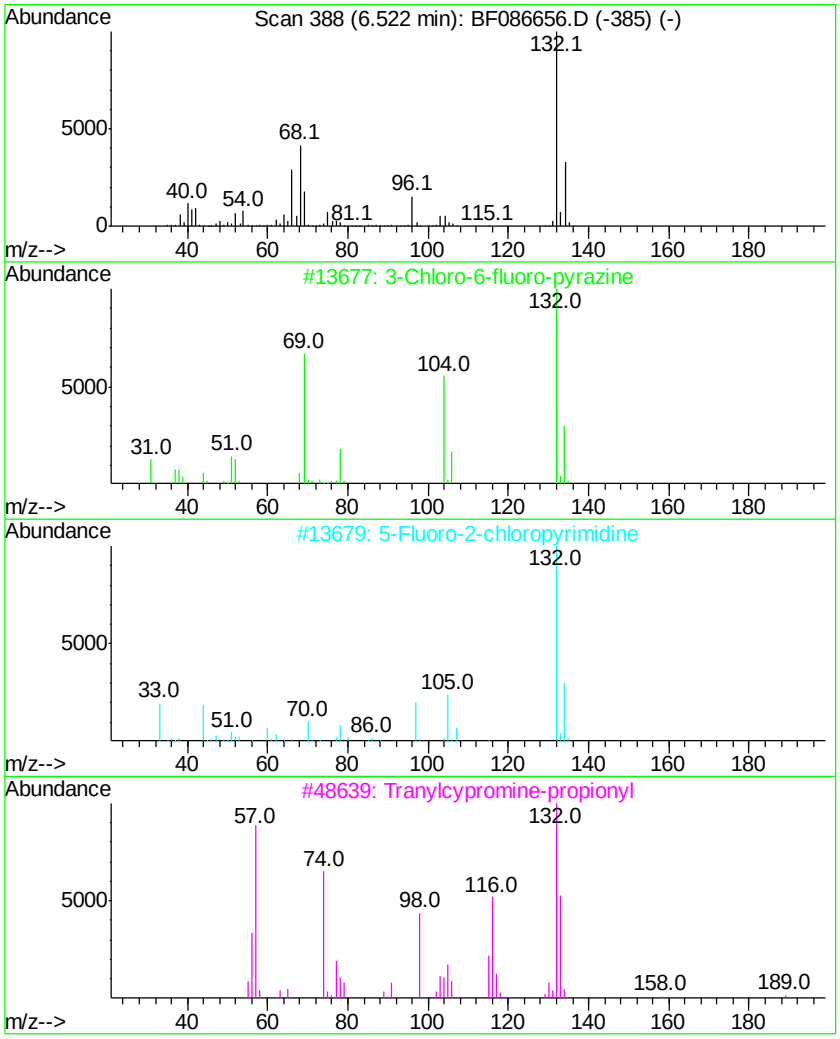
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

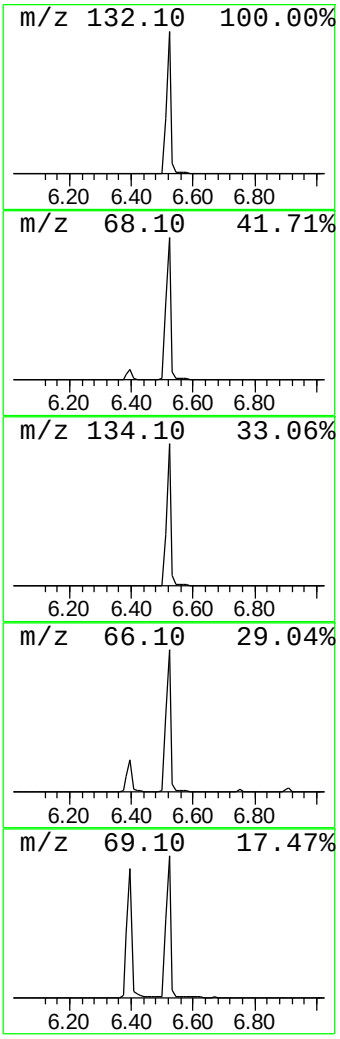
****

Peak Number 1 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	55.12 ng	3283290	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9





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Sample : H2685-16 2X
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

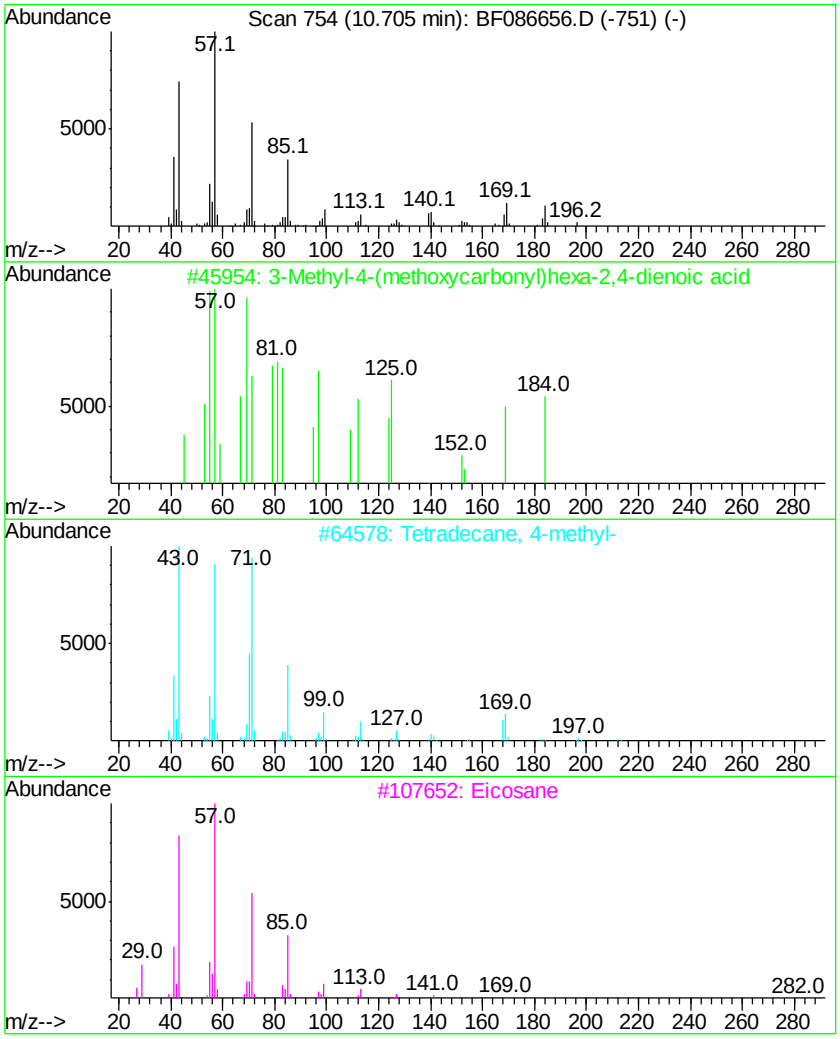
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

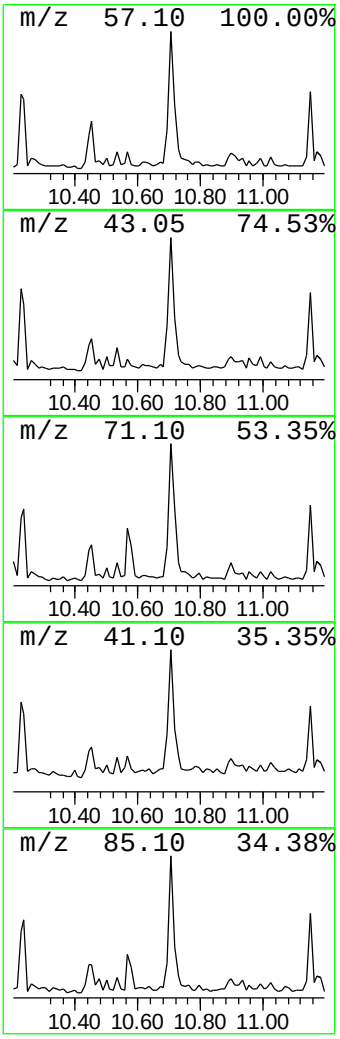
****

Peak Number 3 3-Methyl-4-(methoxycarbonyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	4.11 ng	195842	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	87
2	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	64
3	Eicosane	282	C20H42	000112-95-8	64
4	Pentadecane	212	C15H32	000629-62-9	58
5	Hexadecane	226	C16H34	000544-76-3	58





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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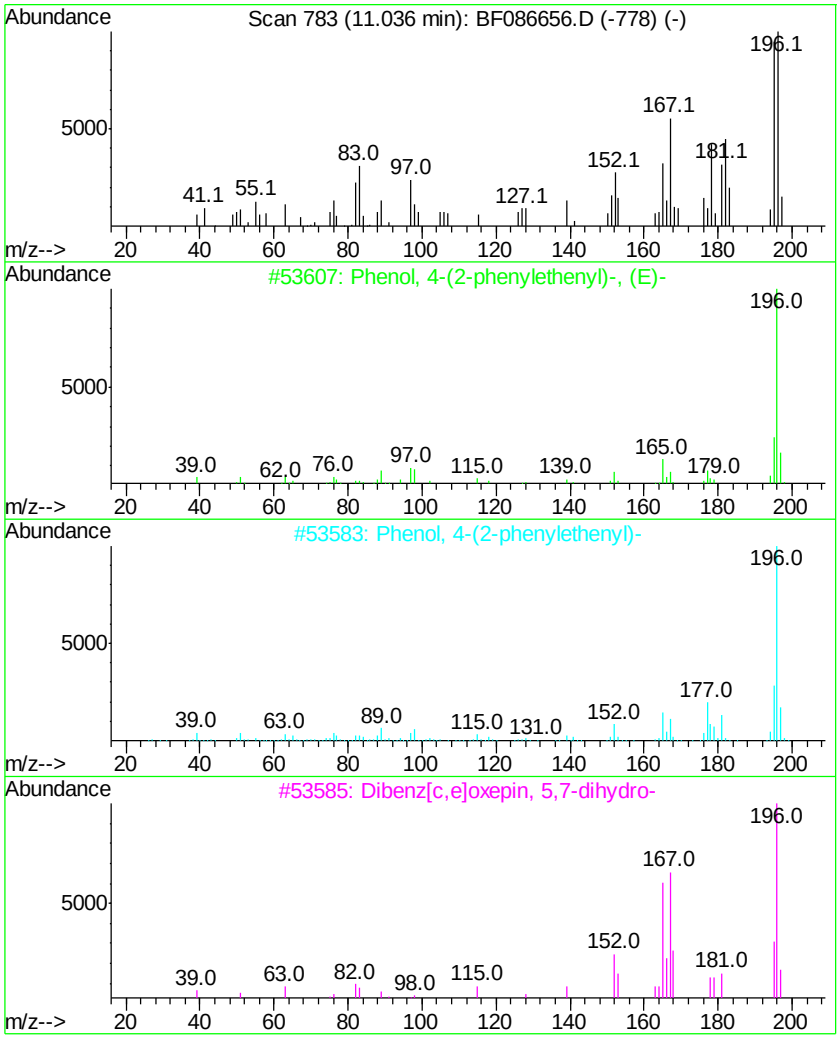
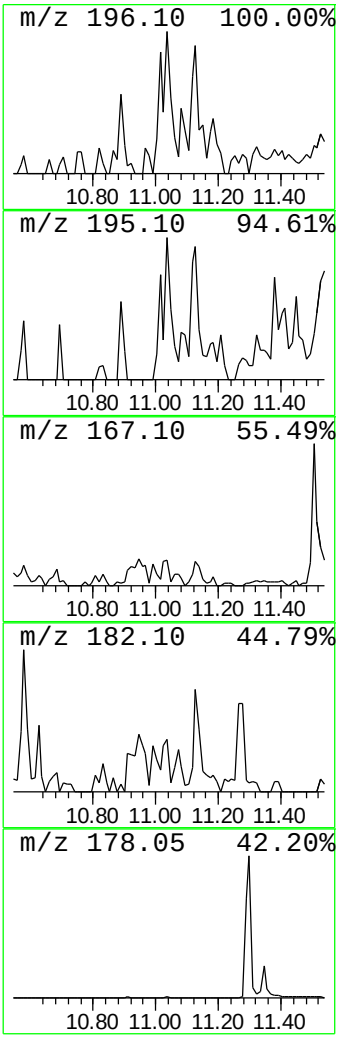
Peak Number 4 unknown11.04 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	2.22 ng	105964	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	46
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43
3	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	41
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	38
5	Fluorenone oxime	195	C13H9NO	002157-52-0	30





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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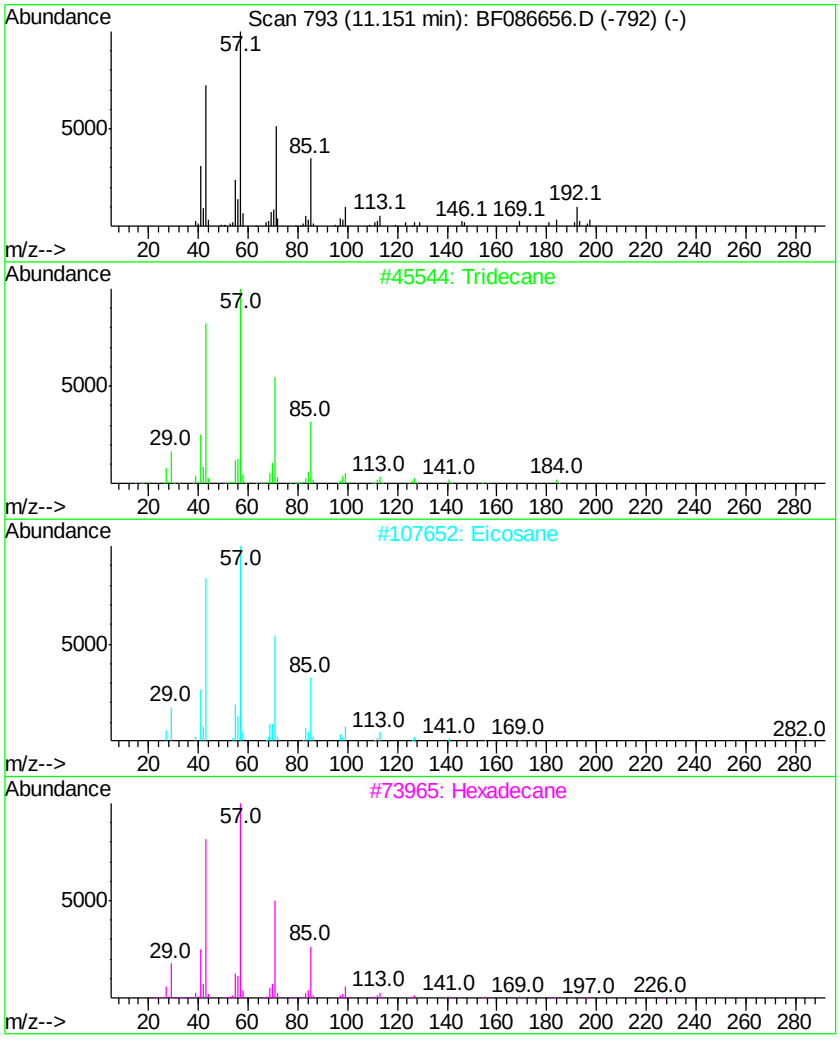
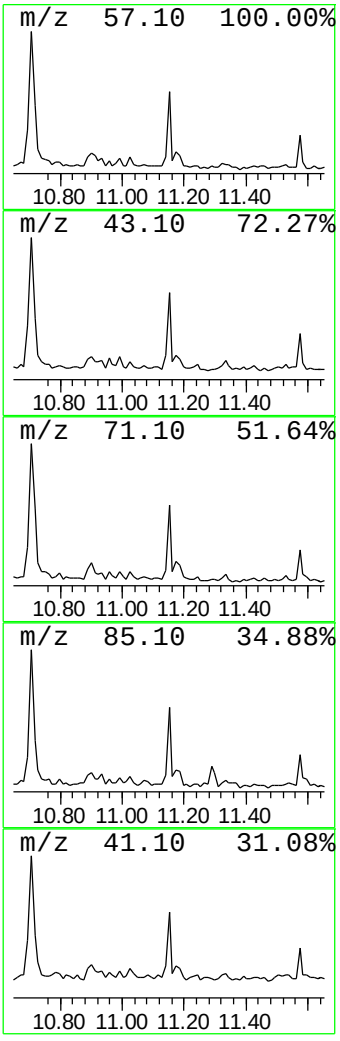
Peak Number 5 Tridecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	3.67 ng	174776	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Eicosane	282	C20H42	000112-95-8	74
3	Hexadecane	226	C16H34	000544-76-3	72
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	58





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Sample : H2685-16 2X
Misc :
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Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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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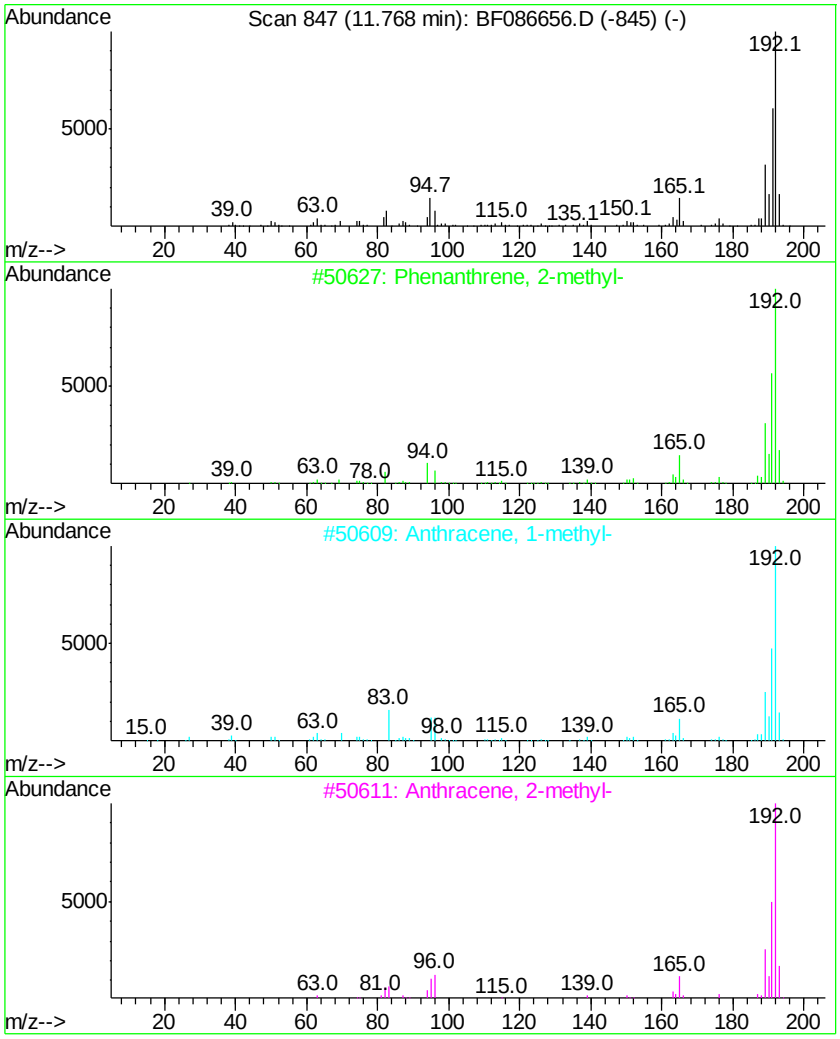
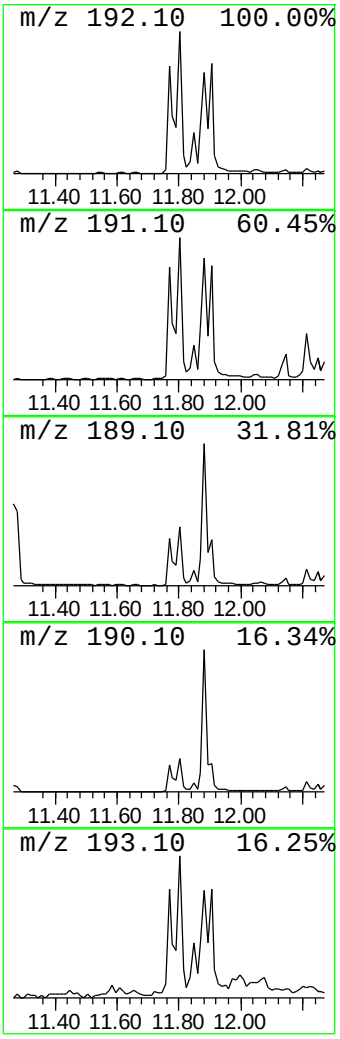
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	7.75 ng	369122	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086656.D
Acq On : 3 May 2016 20:45
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Sample : H2685-16 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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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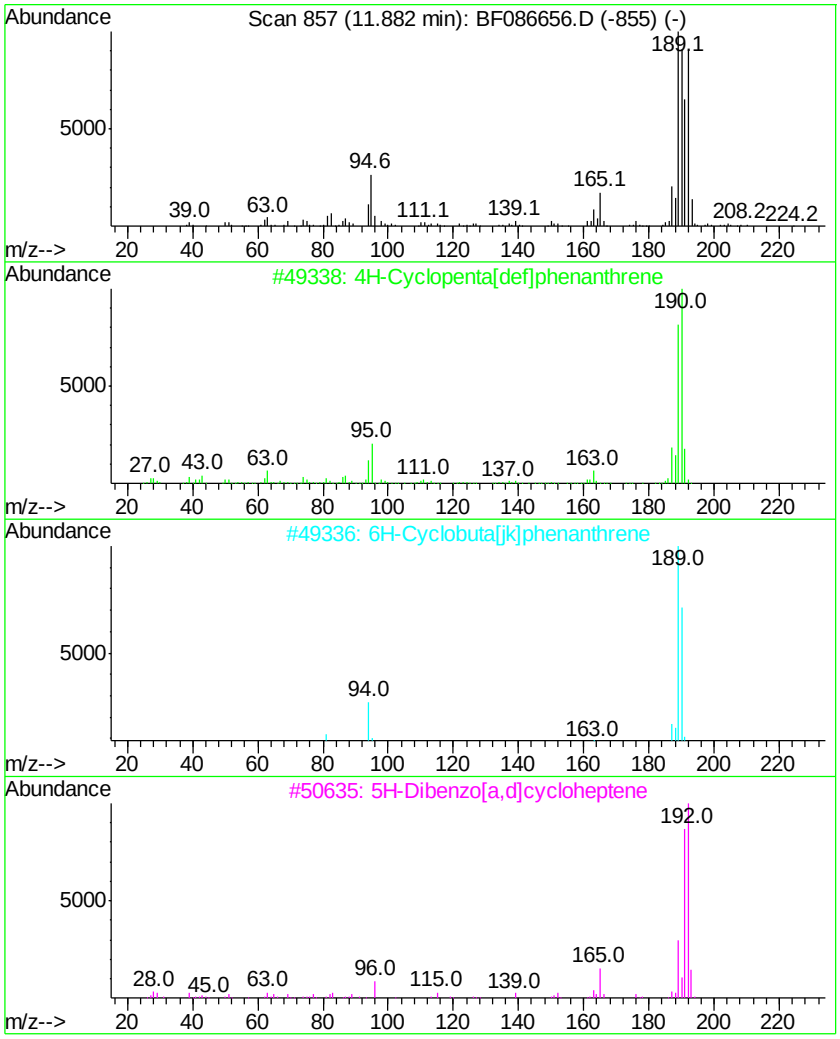
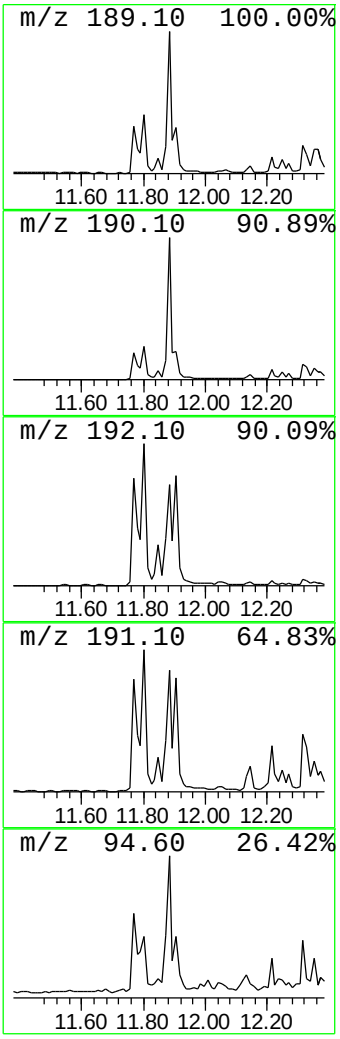
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	14.08 ng	670827	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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Data File : BF086656.D
Acq On : 3 May 2016 20:45
Operator : UM/SJ
Sample : H2685-16 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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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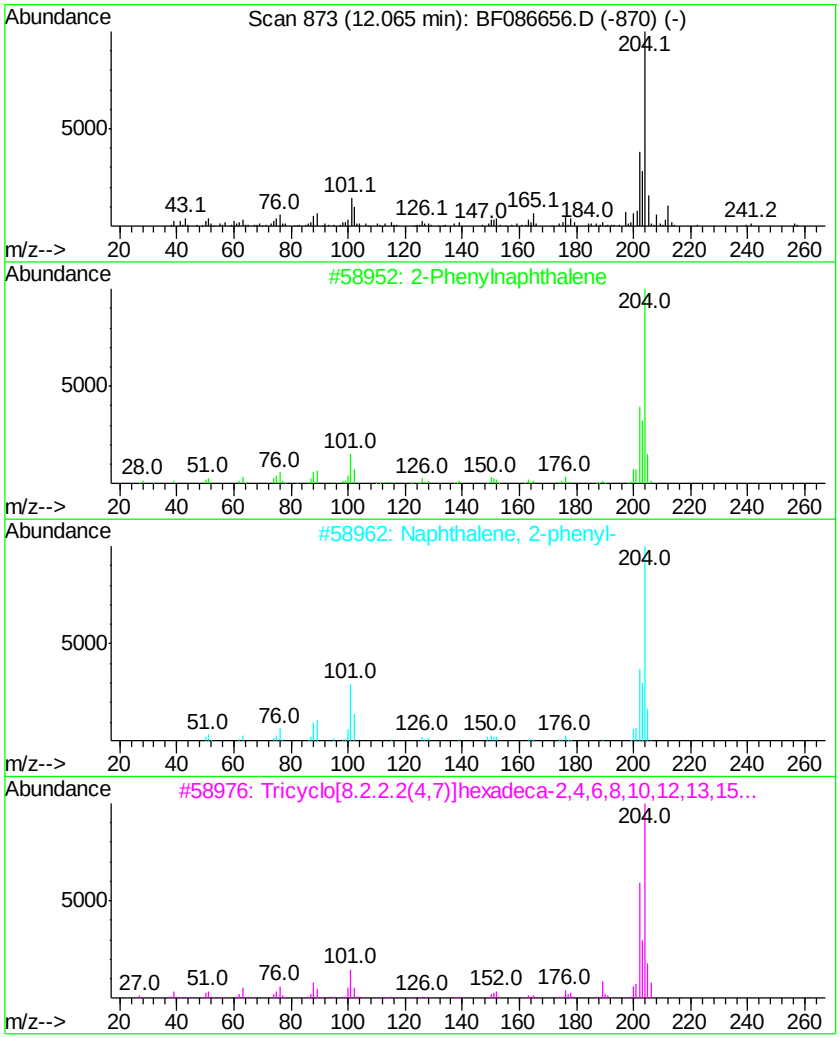
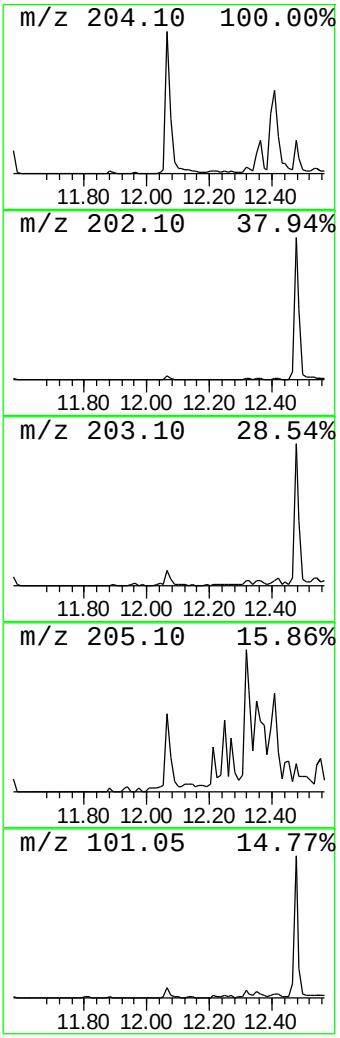
Peak Number 10 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	4.07 ng	193971	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	74
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	64





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Acq On : 3 May 2016 20:45
Operator : UM/SJ
Sample : H2685-16 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

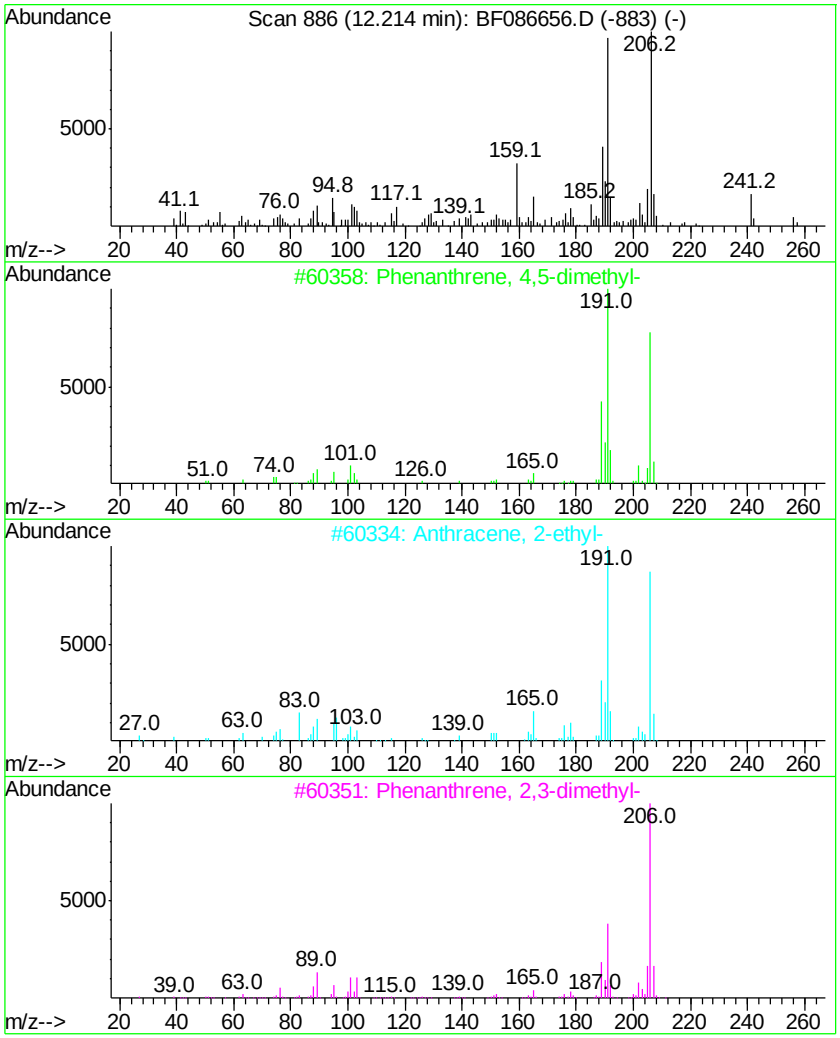
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

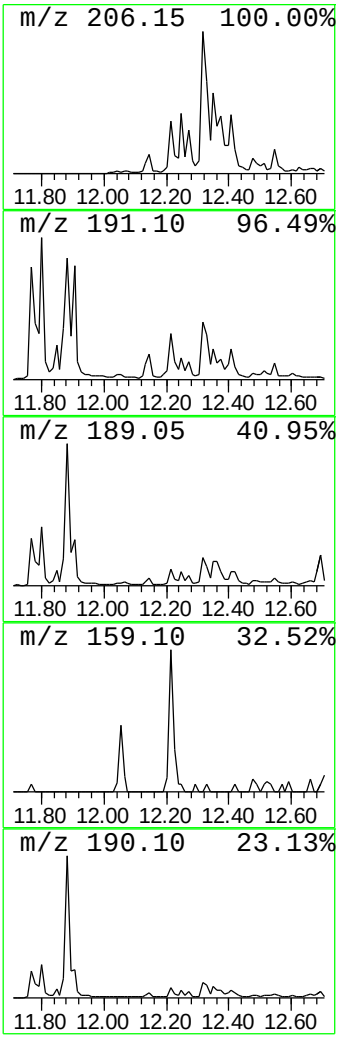
****

Peak Number 11 Phenanthrene, 4,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	3.97 ng	189188	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	78
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78





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Sample : H2685-16 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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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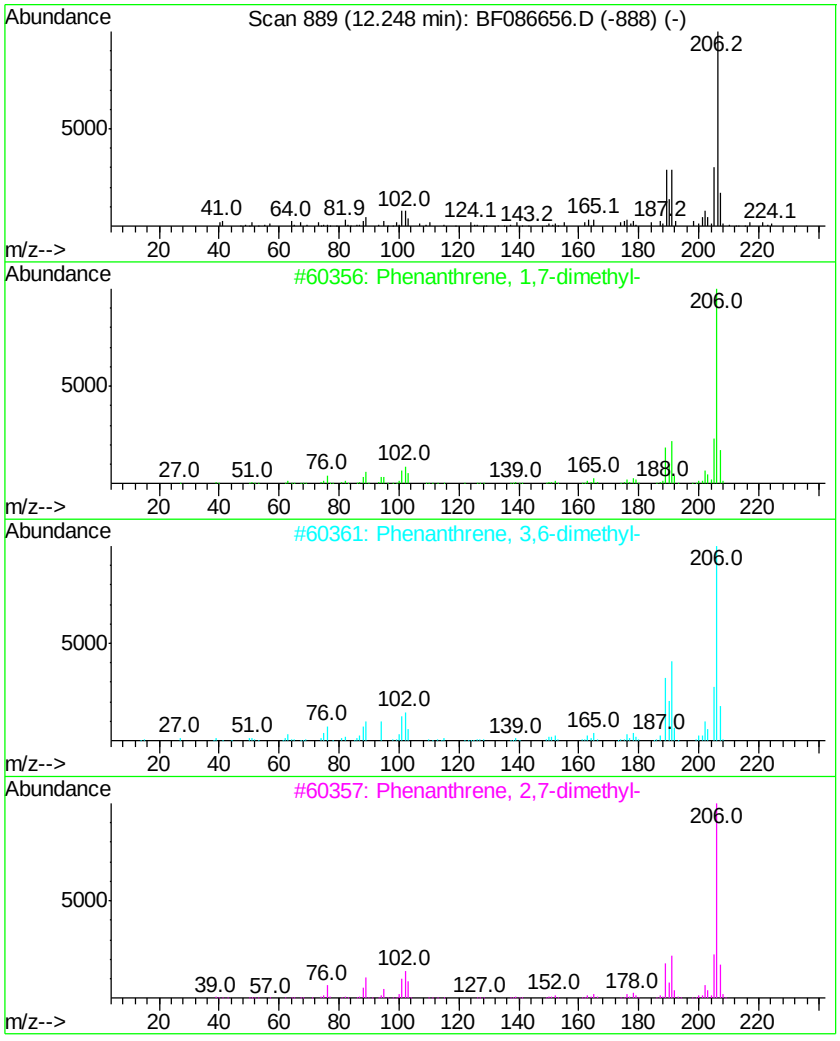
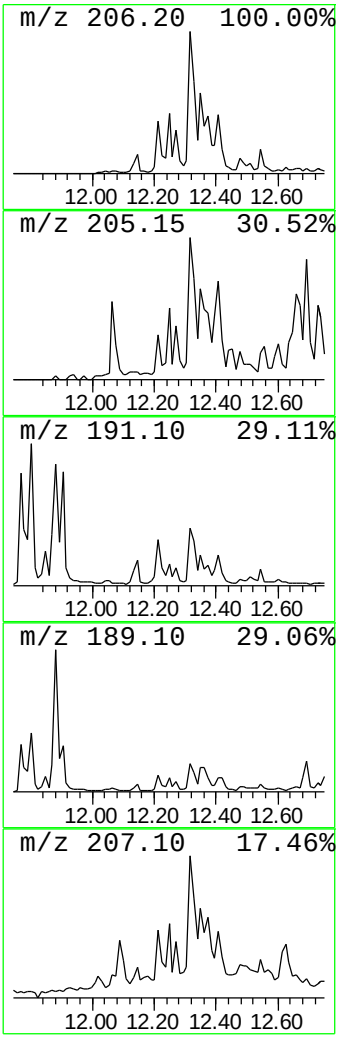
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	2.13 ng	101566	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	80





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Acq On : 3 May 2016 20:45
Operator : UM/SJ
Sample : H2685-16 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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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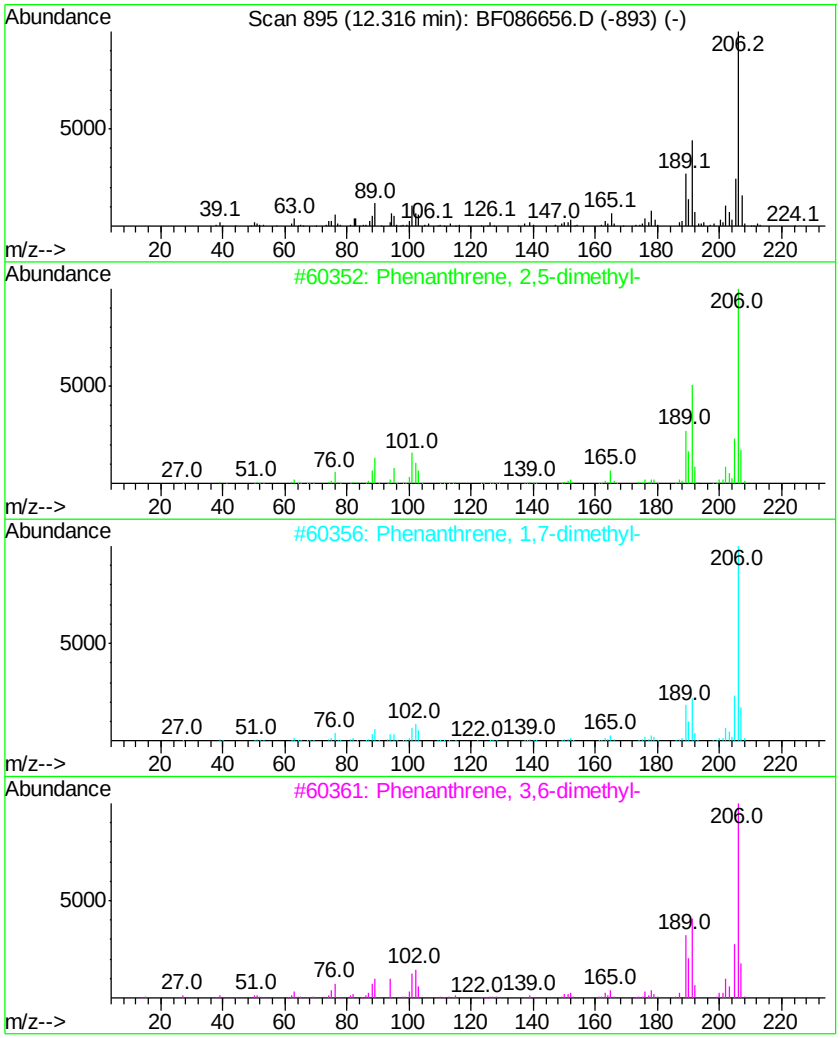
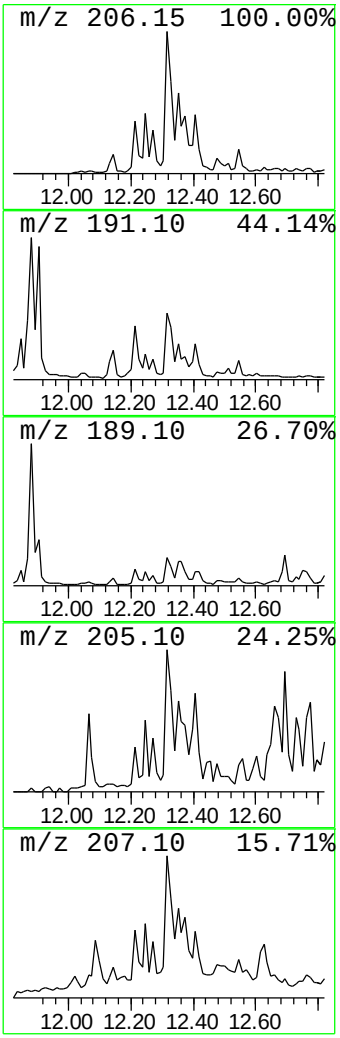
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	5.16 ng	245615	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





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Operator : UM/SJ
Sample : H2685-16 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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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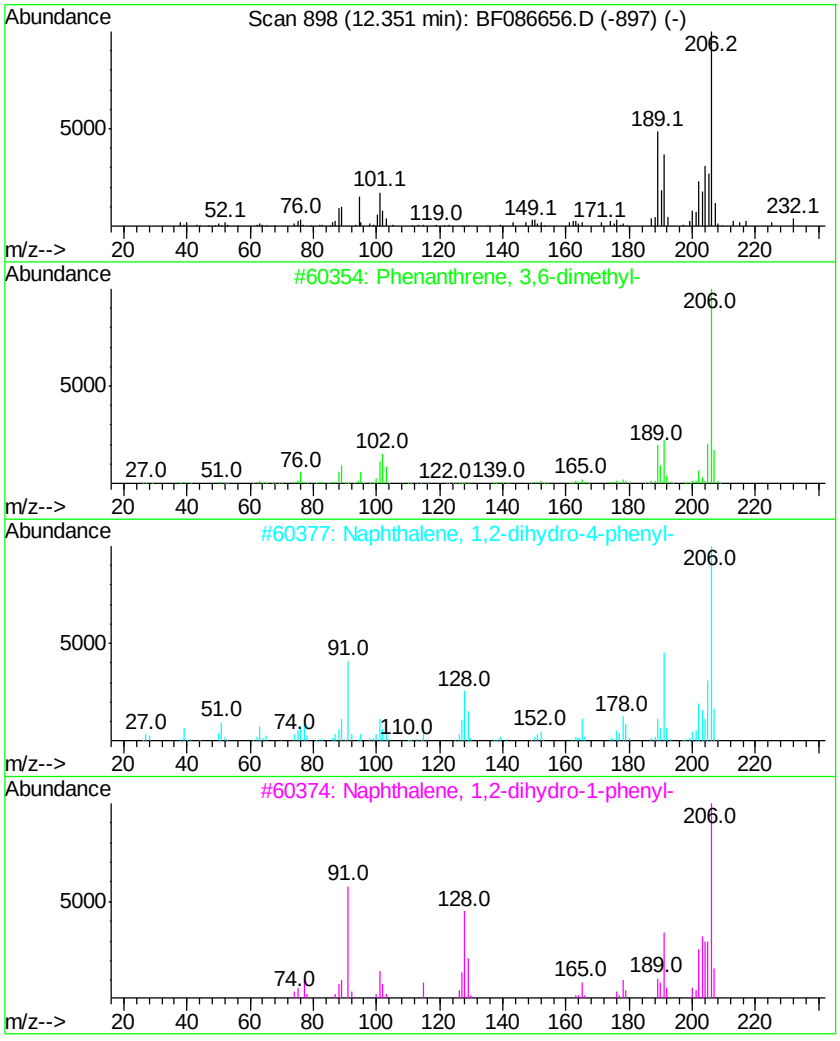
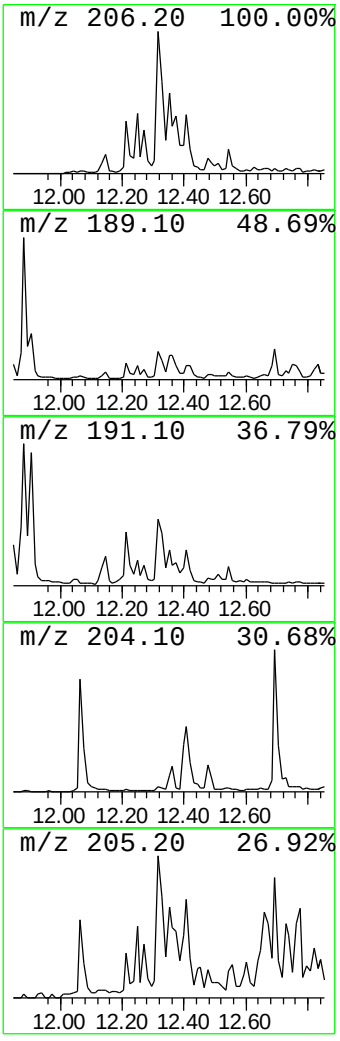
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.45 ng	164293	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	62
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	60
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	53
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	50
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	47





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Acq On : 3 May 2016 20:45
Operator : UM/SJ
Sample : H2685-16 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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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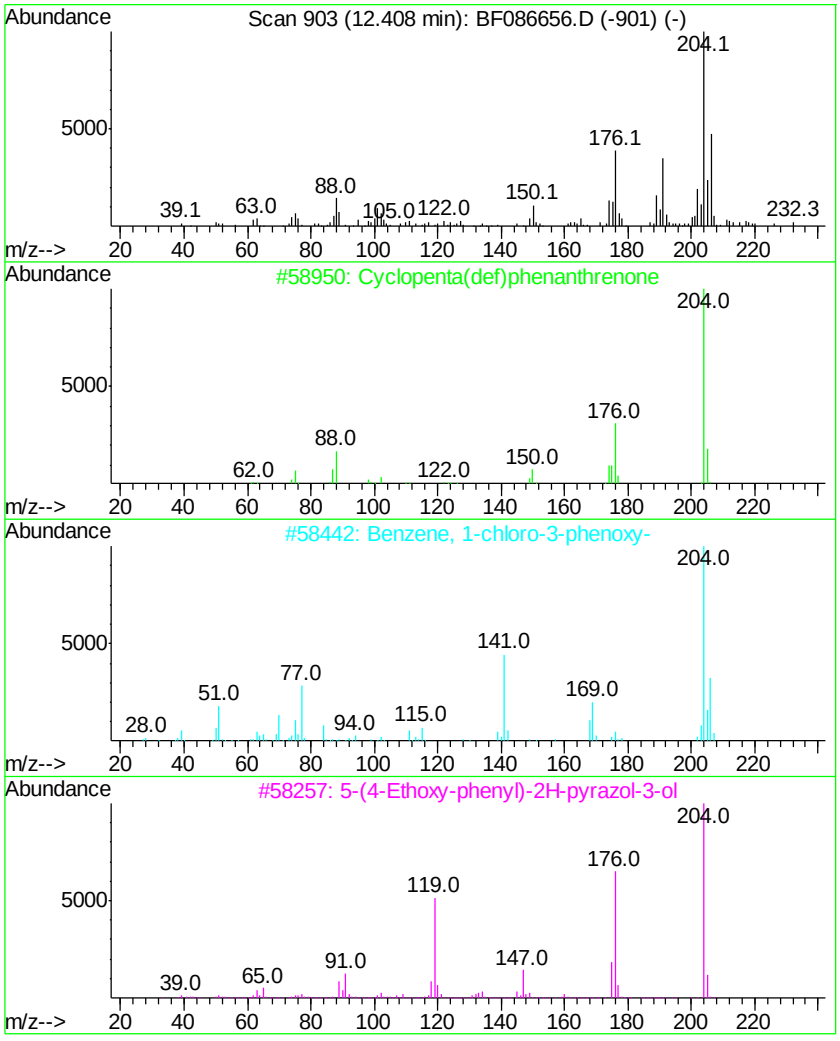
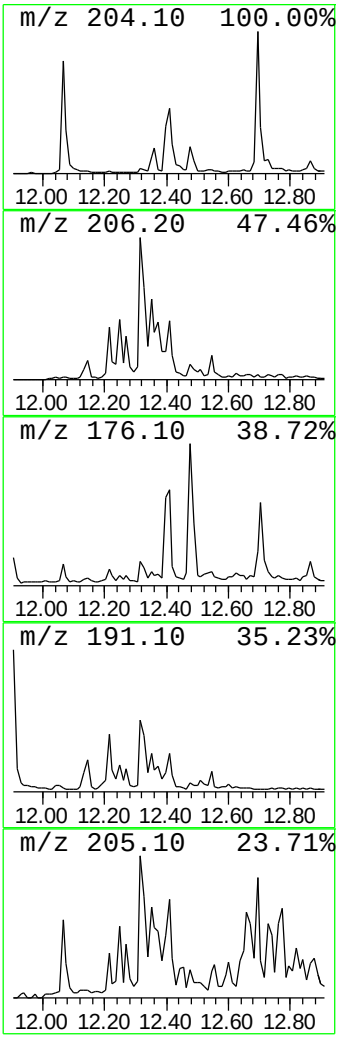
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	4.19 ng	199596	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
3	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	46
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42





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Operator : UM/SJ
Sample : H2685-16 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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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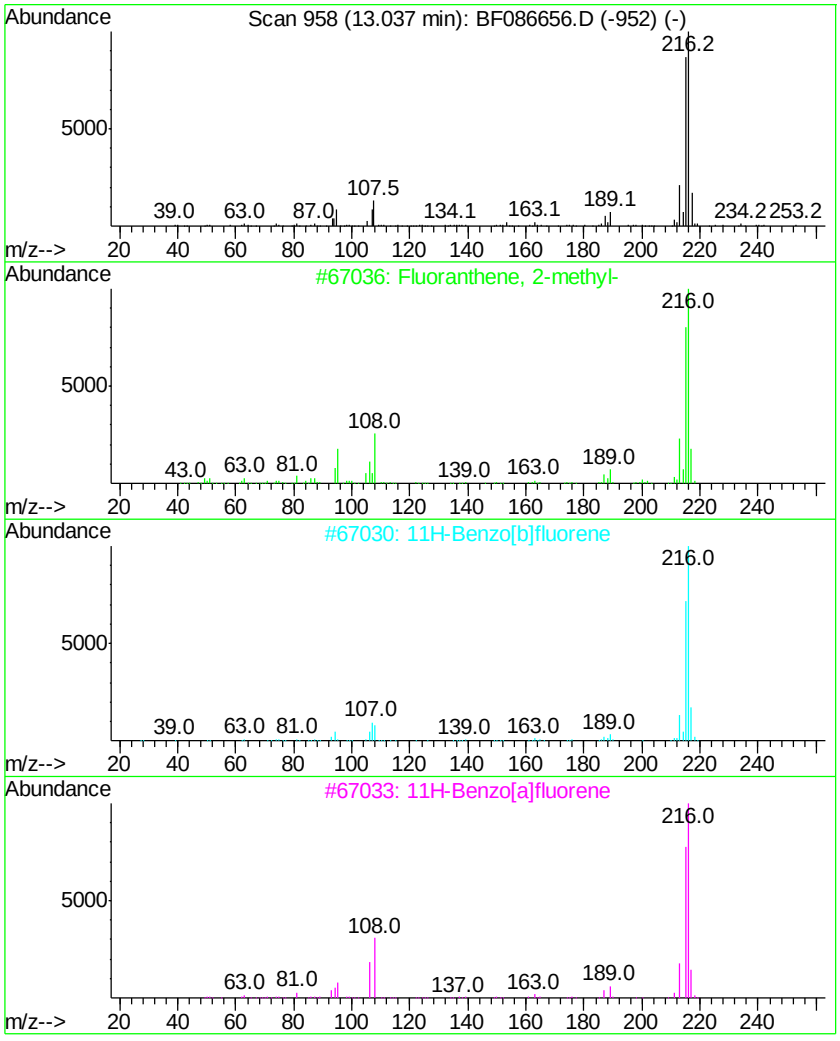
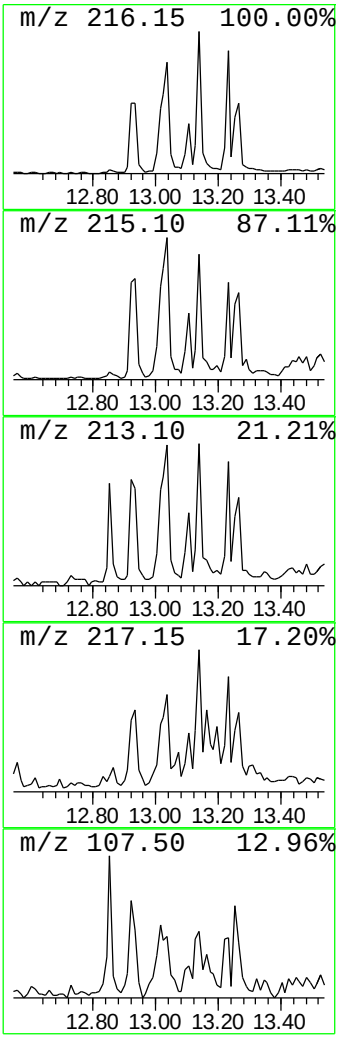
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.72 ng	428981	Chrysene-d12	13.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Sample : H2685-16 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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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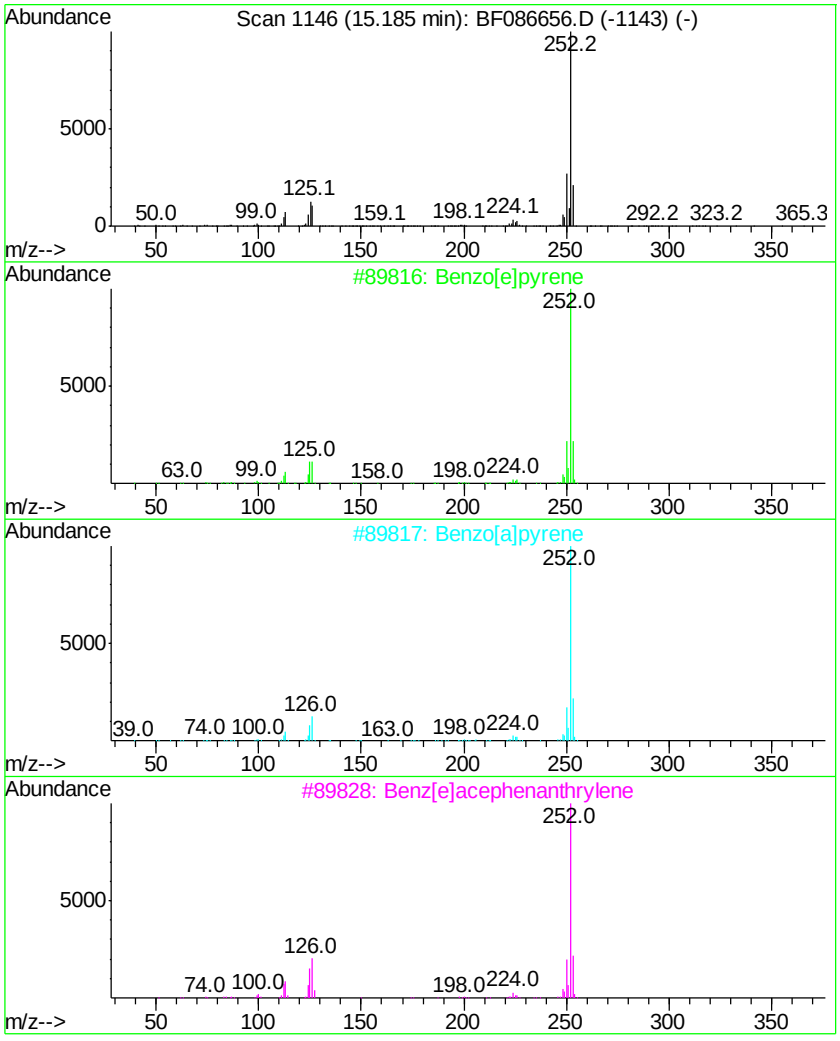
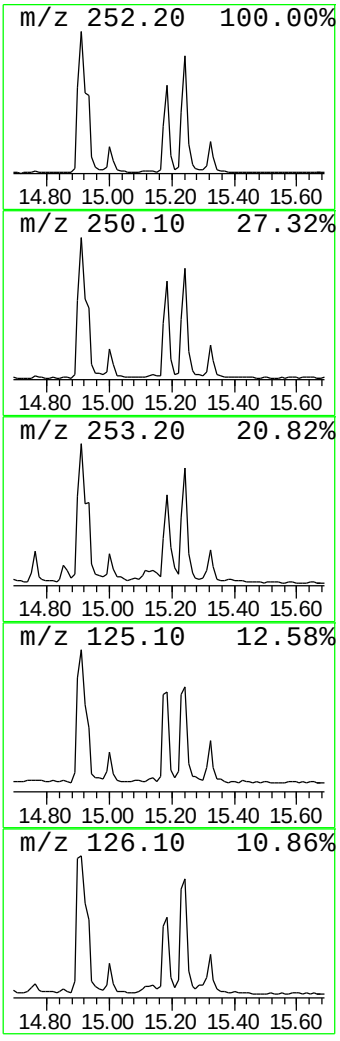
Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	10.64 ng	425745	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





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Misc :
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Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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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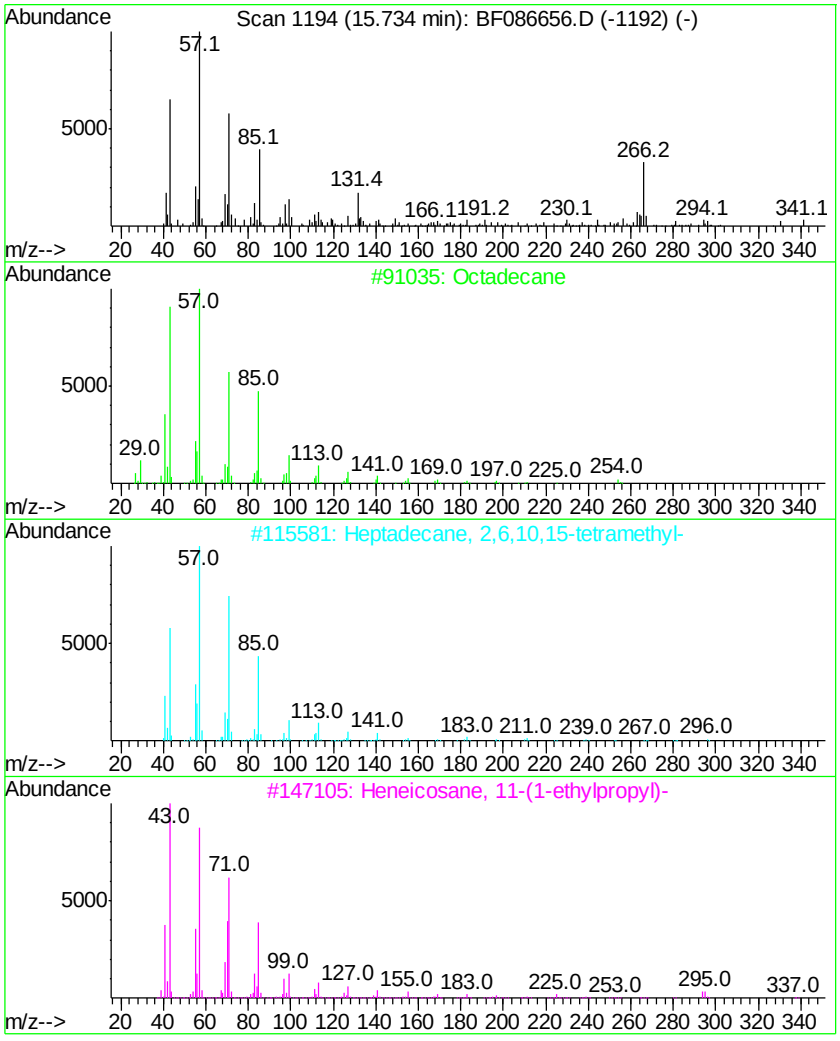
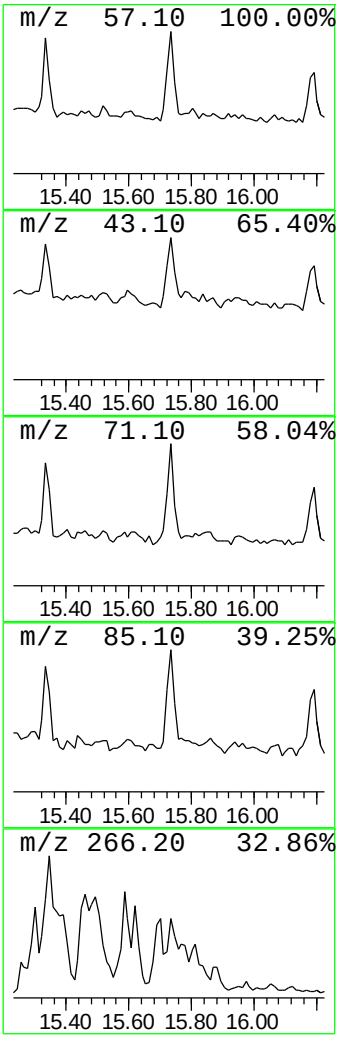
Peak Number 19 Octadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	2.39 ng	95559	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	78
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	53
3	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	52
4	Tritetracontane	605	C43H88	007098-21-7	52
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086656.D
Acq On : 3 May 2016 20:45
Operator : UM/SJ
Sample : H2685-16 2X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26WARD-1B-CS-2(0-16FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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
unknown6.52	6.52	55.1	ng	3283290	1	6.75	1191400	20.0
3-Methyl-4-(metho...	10.70	4.1	ng	195842	4	11.26	952638	20.0
unknown11.04	11.04	2.2	ng	105964	4	11.26	952638	20.0
Tridecane	11.15	3.7	ng	174776	4	11.26	952638	20.0
Phenanthrene, 2-m...	11.77	7.8	ng	369122	4	11.26	952638	20.0
4H-Cyclopenta[def...	11.88	14.1	ng	670827	4	11.26	952638	20.0
2-Phenylnaphthalene	12.07	4.1	ng	193971	4	11.26	952638	20.0
Phenanthrene, 4,5...	12.21	4.0	ng	189188	4	11.26	952638	20.0
Phenanthrene, 1,7...	12.25	2.1	ng	101566	4	11.26	952638	20.0
Phenanthrene, 2,5...	12.32	5.2	ng	245615	4	11.26	952638	20.0
Phenanthrene, 3,6...	12.35	3.5	ng	164293	4	11.26	952638	20.0
Cyclopenta(def)ph...	12.41	4.2	ng	199596	4	11.26	952638	20.0
Fluoranthene, 2-m...	13.04	2.7	ng	428981	5	13.91	3149600	20.0
Benzo[e]pyrene	15.19	10.6	ng	425745	6	15.30	800316	20.0
Octadecane	15.73	2.4	ng	95559	6	15.30	800316	20.0