LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
Data File : BF086045.D
Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

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-BF040216.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	4.956	249	251	262	rBV	55592	99586	2.74%	0.211%
2	5.367	284	287	289	rBV	2695444	3258843	89.53%	6.899%
3	6.419	376	379	381	rBV	2314588	3449260	94.76%	7.302%
4	6.533	386	389	391	rBV	3093249	3043601	83.62%	6.443%
5	6.762	407	409	411	rBV	816427	719979	19.78%	1.524%
6	6.922	420	423	425	rBV	2370997	2703500	74.27%	5.723%
7	7.333	456	459	461	rBV	2094441	2159263	59.32%	4.571%
8	7.436	465	468	474	rVB3	15657	38427	1.06%	0.081%
9	7.802	497	500	504	rBV	33579	59377	1.63%	0.126%
10	8.042	519	521	526	rBV2	753823	1401928	38.51%	2.968%
11	8.762	582	584	586	rBV	124050	103172	2.83%	0.218%
12	8.853	588	592	595	rBV2	72063	123251	3.39%	0.261%
13	9.128	613	616	618	rBV	3503879	3640017	100.00%	7.706%
14	9.230	620	625	628	rBV3	27759	82981	2.28%	0.176%
15	9.390	636	639	641	rBV	31445	46470	1.28%	0.098%
16	9.459	643	645	646	rBV	56541	54675	1.50%	0.116%
17	9.516	648	650	652	rVB	323284	360482	9.90%	0.763%
18	9.665	660	663	665	rBV	92969	124975	3.43%	0.265%
19	9.733	667	669	671	rVB	80054	64874	1.78%	0.137%
20	9.802	672	675	676	rVV	827566	953293	26.19%	2.018%
21	9.825	676	677	680	rVB	196555	228249	6.27%	0.483%
22	9.962	686	689	691	rBV3	21644	54369	1.49%	0.115%
23	10.008	691	693	695	rVV	146960	196156	5.39%	0.415%
24	10.053	695	697	699	rVB3	28717	41355	1.14%	0.088%
25	10.236	708	713	714	rBV	105079	139423	3.83%	0.295%
26	10.339	721	722	725	rVB	206388	268995	7.39%	0.569%
27	10.408	725	728	729	rBV	26291	39696	1.09%	0.084%
28	10.453	729	732	735	rVB2	61993	107151	2.94%	0.227%
29	10.499	735	736	738	rBV	46061	52622	1.45%	0.111%
30	10.591	741	744	746	rBV	2004163	2000227	54.95%	4.234%
31	10.705	752	754	758	rVB	169981	242674	6.67%	0.514%
32	10.899	768	771	772	rBV2	41664	73766	2.03%	0.156%
33	11.025	781	782	786	rVB4	22749	42594	1.17%	0.090%
34	11.094	786	788	790	rVB	65084	55578	1.53%	0.118%

LSC Area Percent Report

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Data File : BF086045.D
Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

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-BF040216.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.151	790	793	794	rBV2	105786	121511	3.34%	0.257%
36	11.174	794	795	799	rVB	124731	154389	4.24%	0.327%
37	11.311	802	807	808	rBV2	1436555	2581071	70.91%	5.464%
38	11.356	808	811	813	rVB	563992	516728	14.20%	1.094%
39	11.391	813	814	817	rBV	52870	73122	2.01%	0.155%
40	11.516	822	825	828	rBV	306343	335362	9.21%	0.710%
41	11.574	828	830	832	rBV2	88186	89207	2.45%	0.189%
42	11.619	832	834	836	rVB3	30841	48168	1.32%	0.102%
43	11.688	836	840	842	rBV3	16481	45526	1.25%	0.096%
44	11.779	846	848	849	rBV	171608	160406	4.41%	0.340%
45	11.814	849	851	853	rVV	460628	458822	12.60%	0.971%
46	11.859	853	855	856	rVV2	80276	81467	2.24%	0.172%
47	11.894	856	858	863	rVB2	346539	436285	11.99%	0.924%
48	11.985	863	866	868	rBV2	50961	101489	2.79%	0.215%
49	12.076	872	874	875	rVB	122435	93953	2.58%	0.199%
50	12.111	875	877	879	rBV	124340	110394	3.03%	0.234%
51	12.225	884	887	888	rBV	49353	59436	1.63%	0.126%
52	12.328	894	896	898	rBV	72281	98144	2.70%	0.208%
53	12.374	898	900	902	rVB2	63791	97974	2.69%	0.207%
54	12.419	902	904	908	rBV2	75770	87880	2.41%	0.186%
55	12.499	908	911	912	rBV	1475527	1933275	53.11%	4.093%
56	12.602	917	920	922	rVV2	149450	257733	7.08%	0.546%
57	12.637	922	923	925	rVV2	69408	82295	2.26%	0.174%
58	12.717	927	930	933	rVV	1179339	1807663	49.66%	3.827%
59	12.774	933	935	936	rVB	48378	47600	1.31%	0.101%
60	12.808	936	938	939	rVB	241069	310418	8.53%	0.657%
61	12.865	939	943	946	rBV	2584896	2661920	73.13%	5.635%
62	12.945	947	950	951	rBV2	76409	106729	2.93%	0.226%
63	13.048	956	959	961	rVB	245897	321834	8.84%	0.681%
64	13.117	961	965	966	rBV	261334	303488	8.34%	0.642%
65	13.139	966	967	972	rVB3	183193	361780	9.94%	0.766%
66	13.242	974	976	978	rBV	126056	123467	3.39%	0.261%
67	13.277	978	979	983	rVV2	52552	59719	1.64%	0.126%
68	13.345	983	985	991	rVB4	100147	214077	5.88%	0.453%
69	13.437	991	993	995	rBV3	129805	179012	4.92%	0.379%
70	13.562	1002	1004	1006	rVB	107484	102597	2.82%	0.217%
71	13.665	1011	1013	1014	rBV	172761	170724	4.69%	0.361%

LSC Area Percent Report

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Acq On : 4 Apr 2016 18:32
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Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

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
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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.768	1020	1022	1026	rVB	173164	216645	5.95%	0.459%
73	13.917	1031	1035	1036	rBV2	1043093	1681639	46.20%	3.560%
74	14.020	1042	1044	1047	rBV	139655	175662	4.83%	0.372%
75	14.271	1064	1066	1067	rBV	61114	78924	2.17%	0.167%
76	14.305	1067	1069	1070	rVB	106581	109471	3.01%	0.232%
77	14.785	1109	1111	1114	rVB	79127	106488	2.93%	0.225%
78	14.934	1121	1124	1128	rBV	625054	1161910	31.92%	2.460%
79	15.025	1131	1132	1135	rBV	104310	118895	3.27%	0.252%
80	15.208	1146	1148	1151	rVB	392529	454597	12.49%	0.962%
81	15.265	1151	1153	1156	rVV	499122	589566	16.20%	1.248%
82	15.323	1156	1158	1165	rVB2	426033	709609	19.49%	1.502%
83	16.328	1244	1246	1249	rVB	49595	79417	2.18%	0.168%
84	16.683	1273	1277	1281	rBV	203802	437064	12.01%	0.925%
85	17.083	1309	1312	1319	rBV	155025	327847	9.01%	0.694%
86	17.323	1330	1333	1339	rVB3	57312	163742	4.50%	0.347%

Sum of corrected areas: 47237950

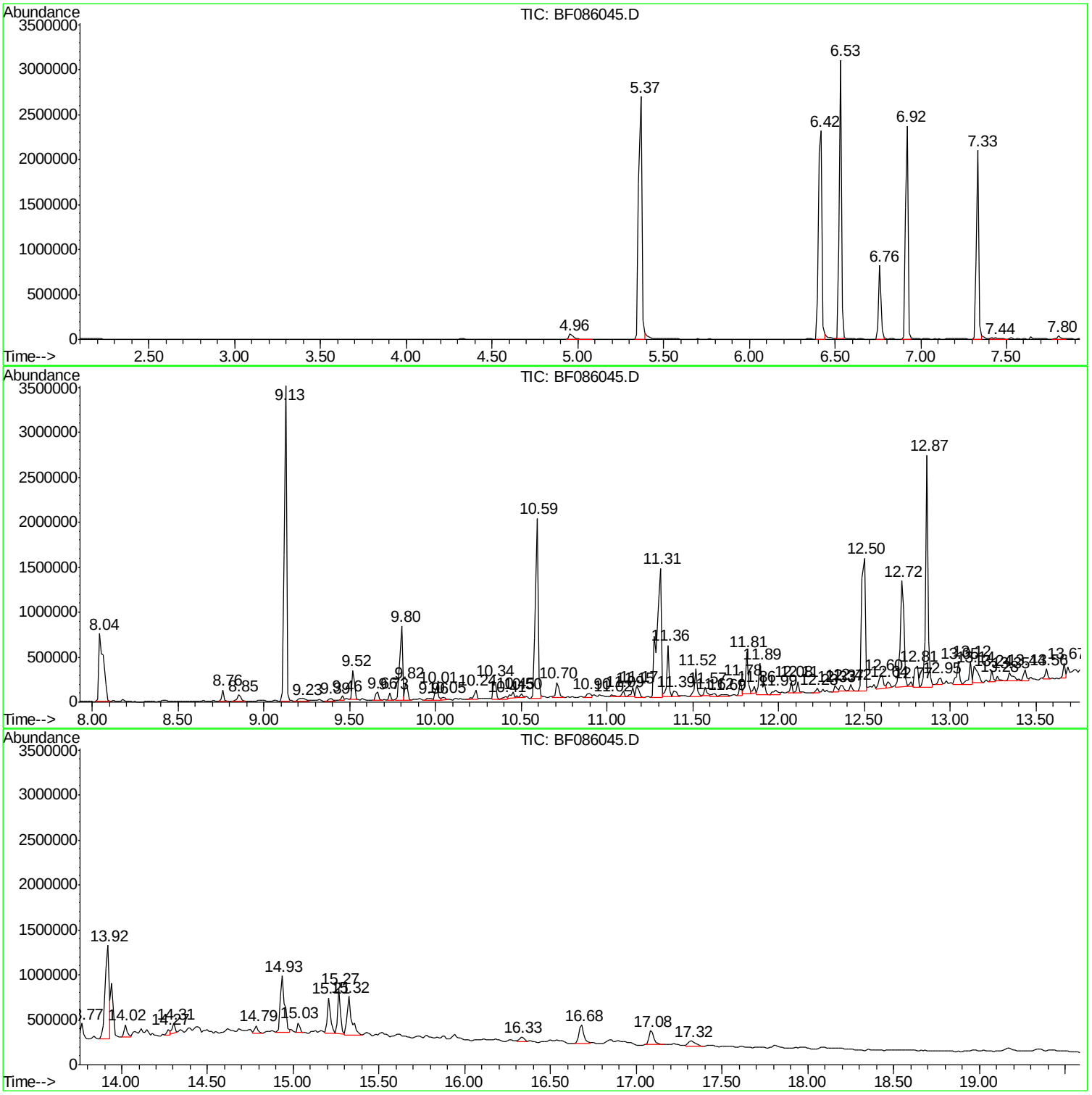
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
Data File : BF086045.D
Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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\BF040416\
Data File : BF086045.D
Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

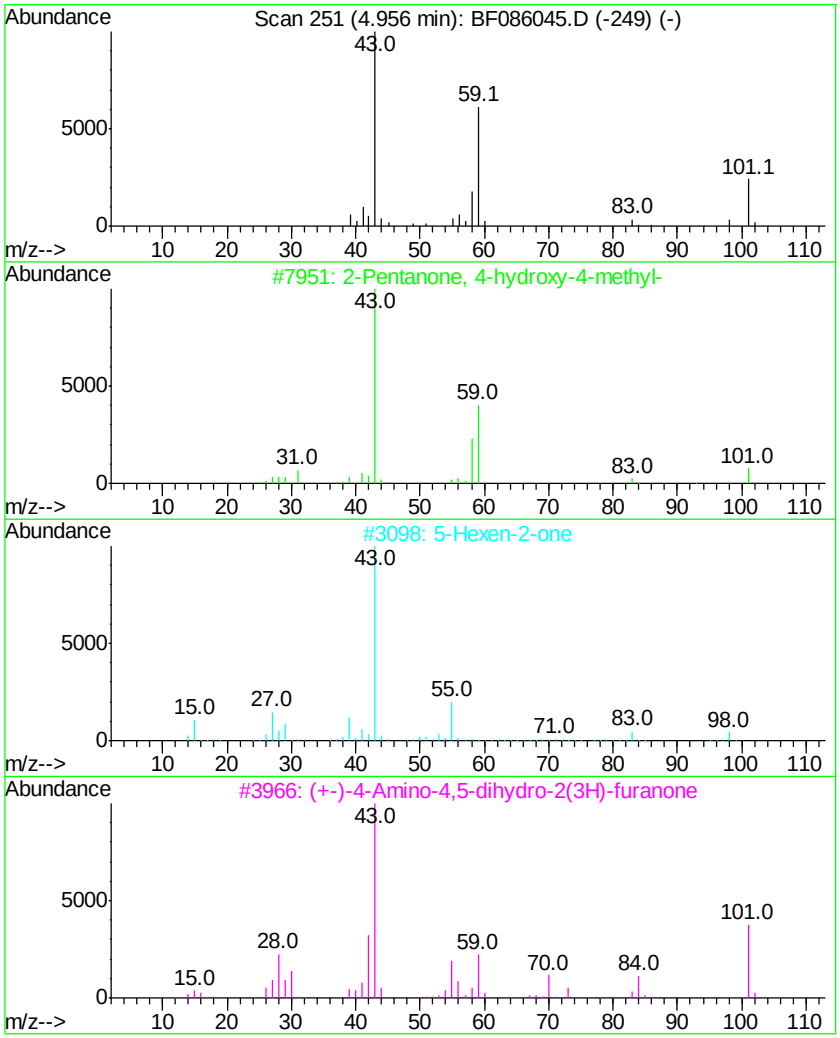
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

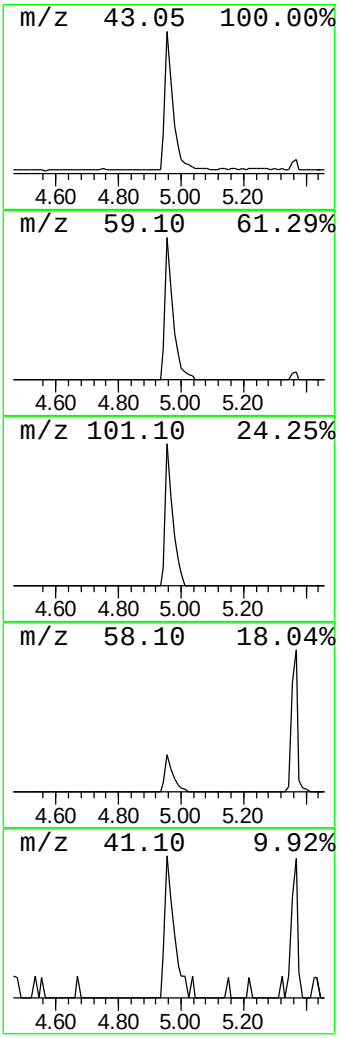
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	2.77 ng	99586	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
4	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Sample : H2180-04
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

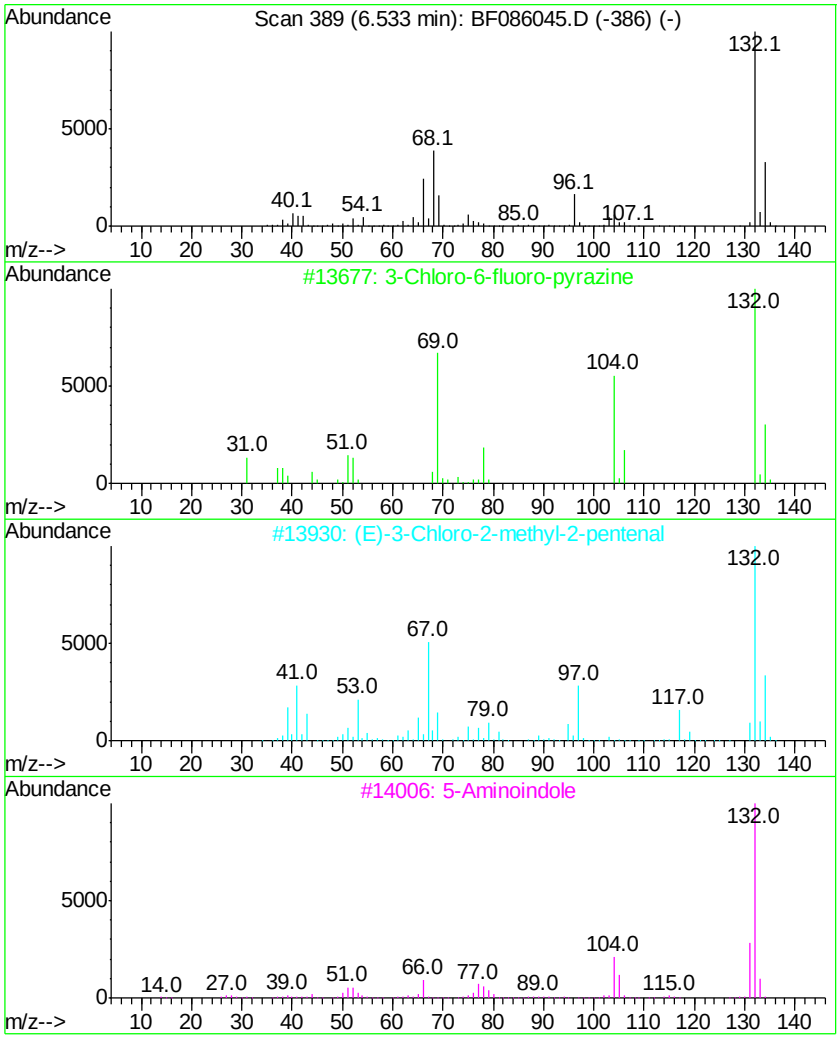
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

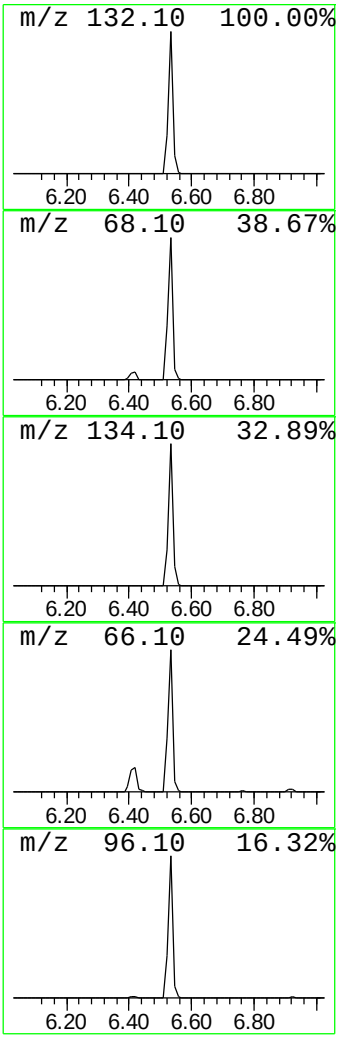
****

Peak Number 2 unknown6.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	84.55 ng	3043600	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
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Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
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Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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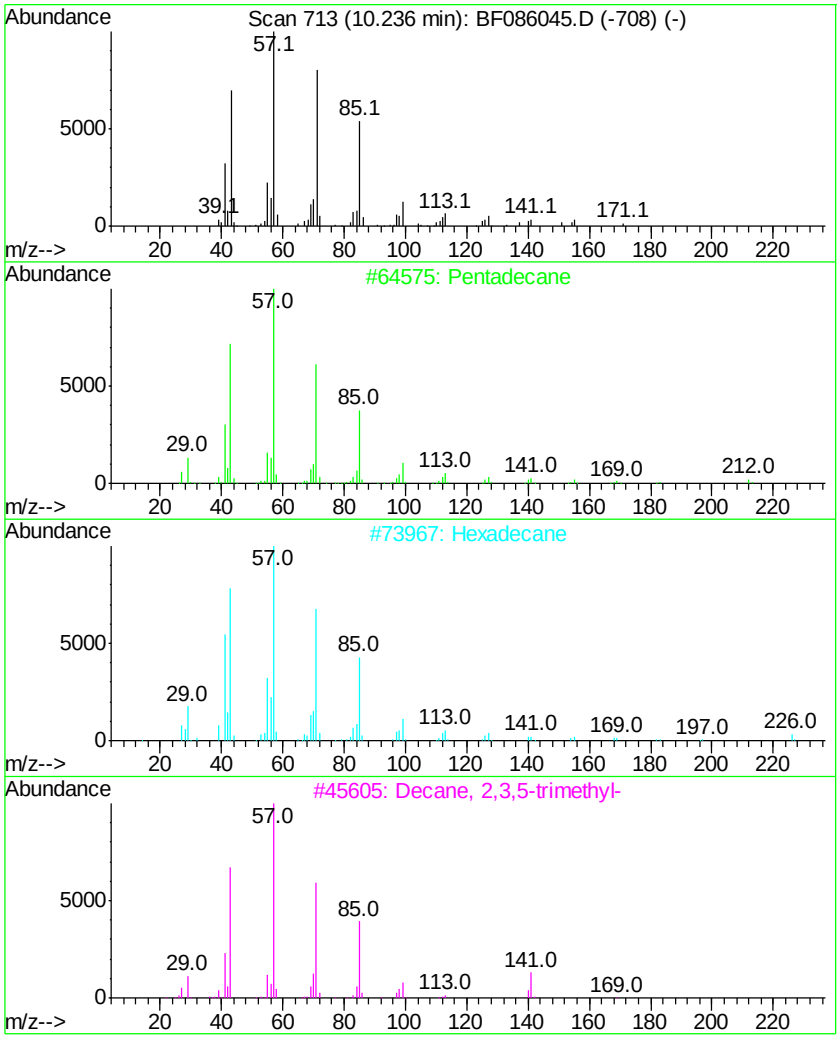
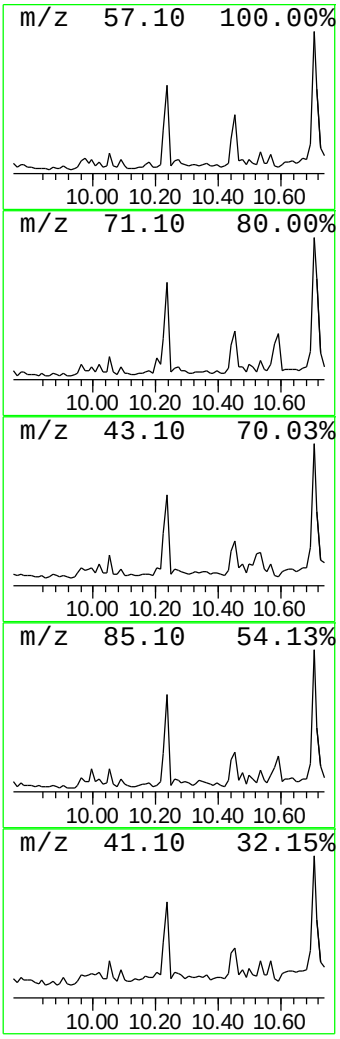
****

Peak Number 4 Pentadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	2.93 ng	139423	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	80
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5	Tetracosane	338	C24H50	000646-31-1	72





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Sample : H2180-04
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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
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TIC Library : C:\DATABASE\NIST02.L
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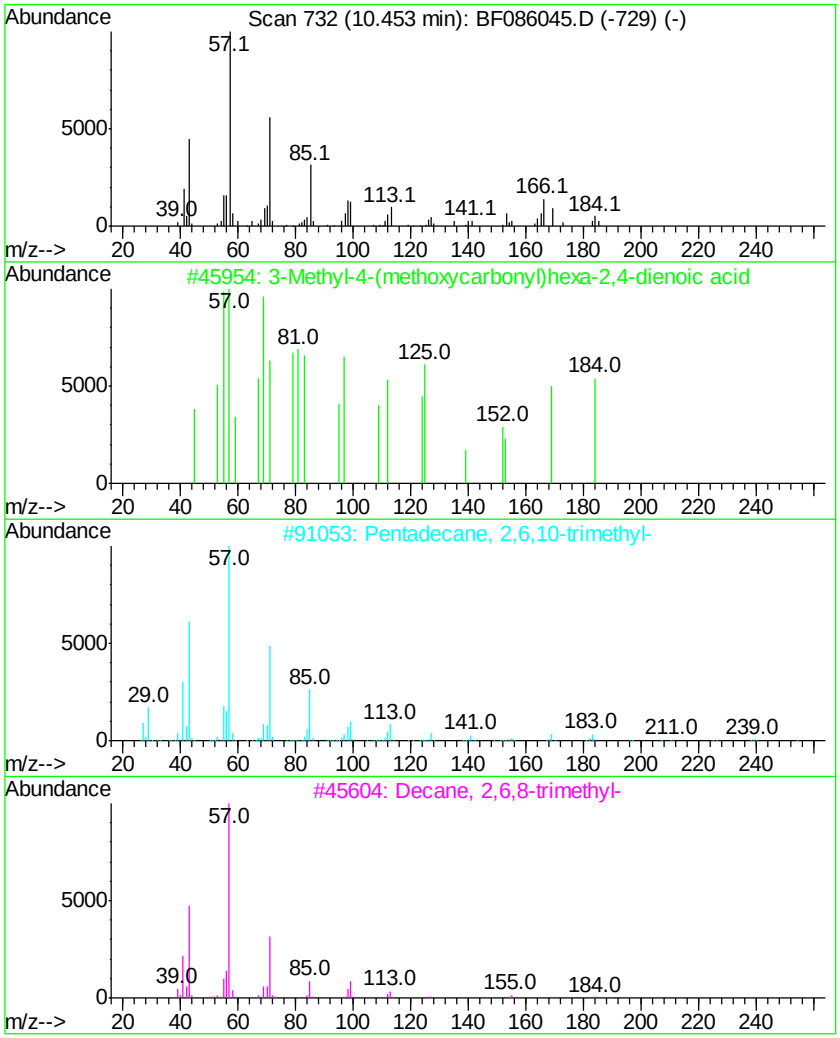
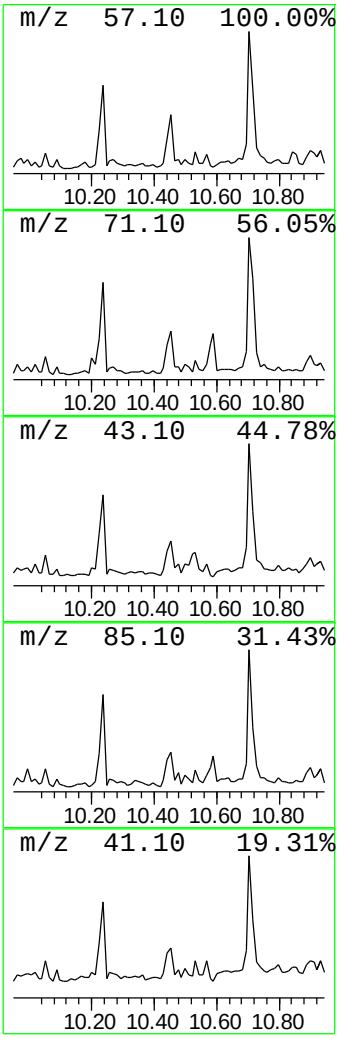
****

Peak Number 5 3-Methyl-4-(methoxycarbonyl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	2.25 ng	107151	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	86
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	72
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	64
4	Heptadecane	240	C17H36	000629-78-7	64
5	Octadecane	254	C18H38	000593-45-3	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
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Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

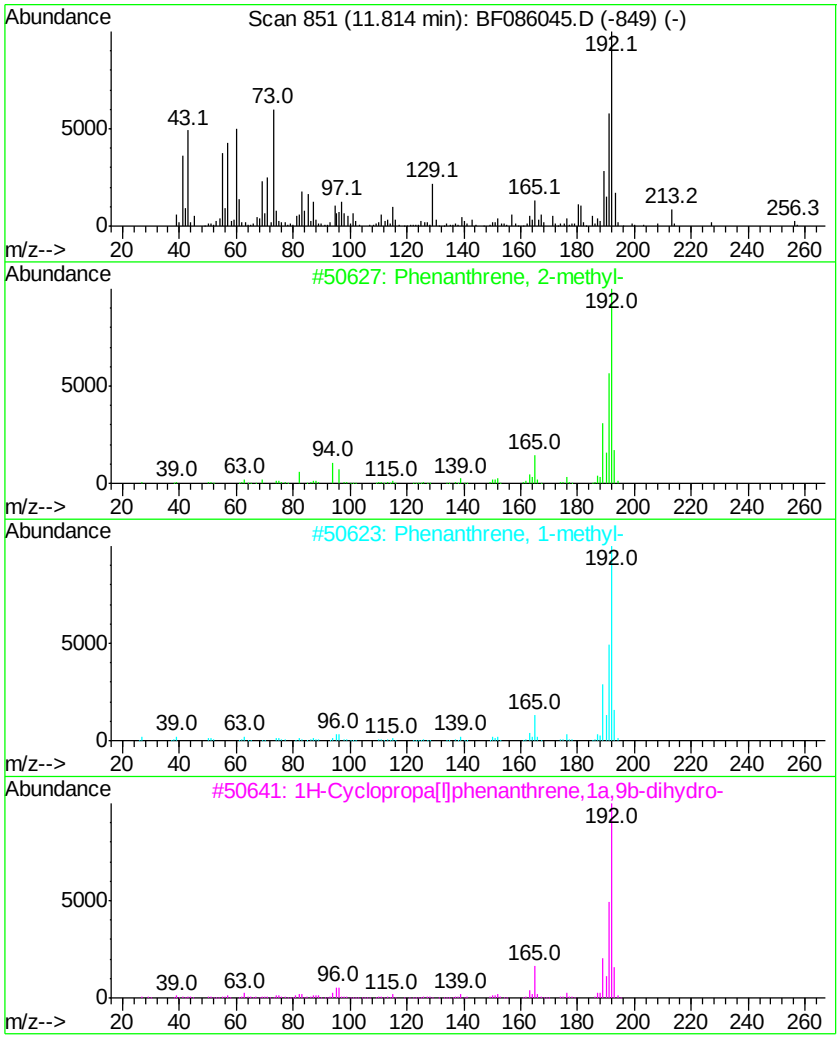
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

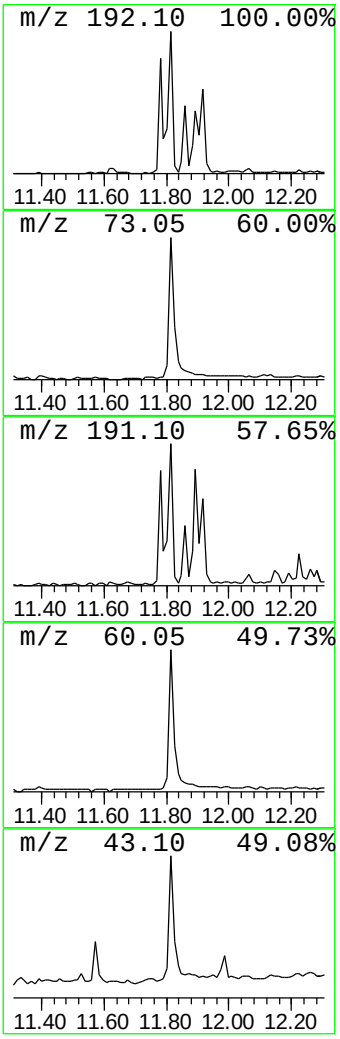
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	3.56 ng	458822	Phenanthrene-d10	11.28

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	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
Data File : BF086045.D
Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

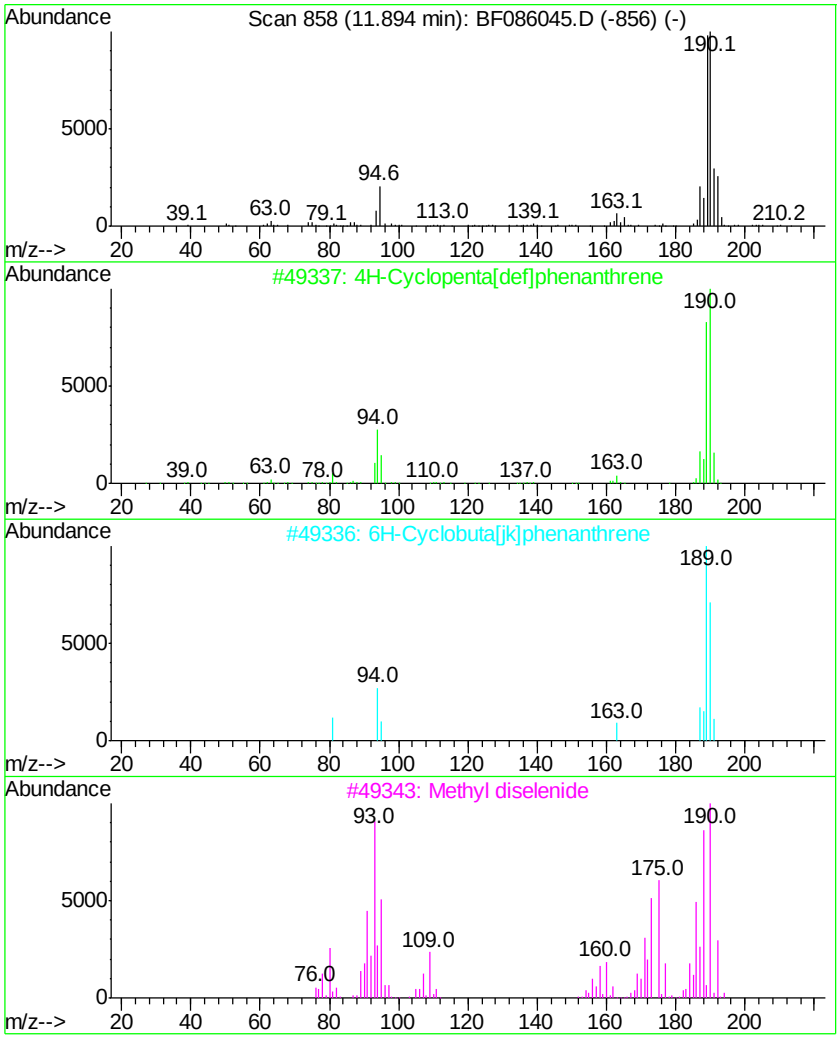
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

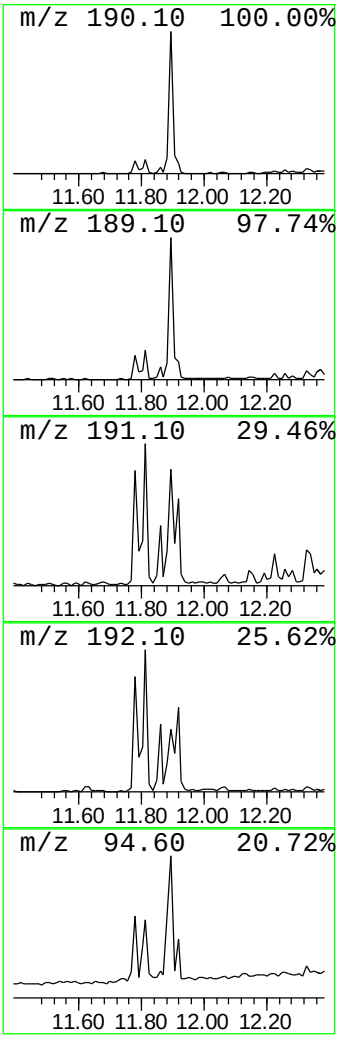
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.38 ng	436285	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
Data File : BF086045.D
Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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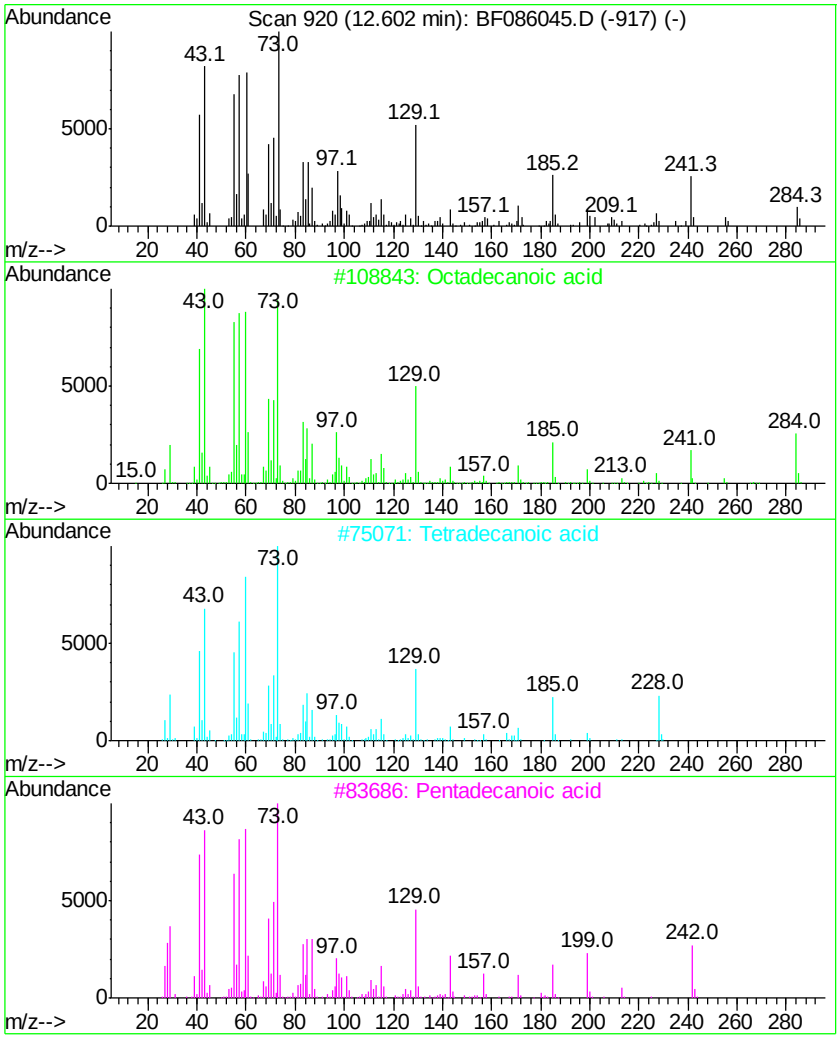
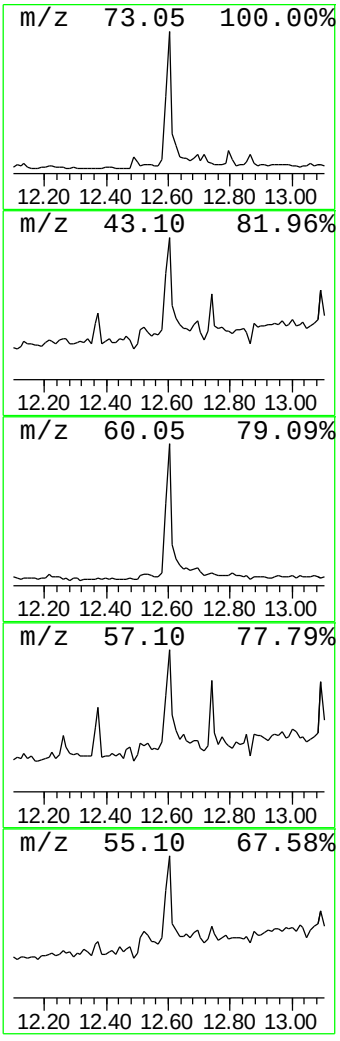
Peak Number 8 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	3.07 ng	257733	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





Library Search Compound Report

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Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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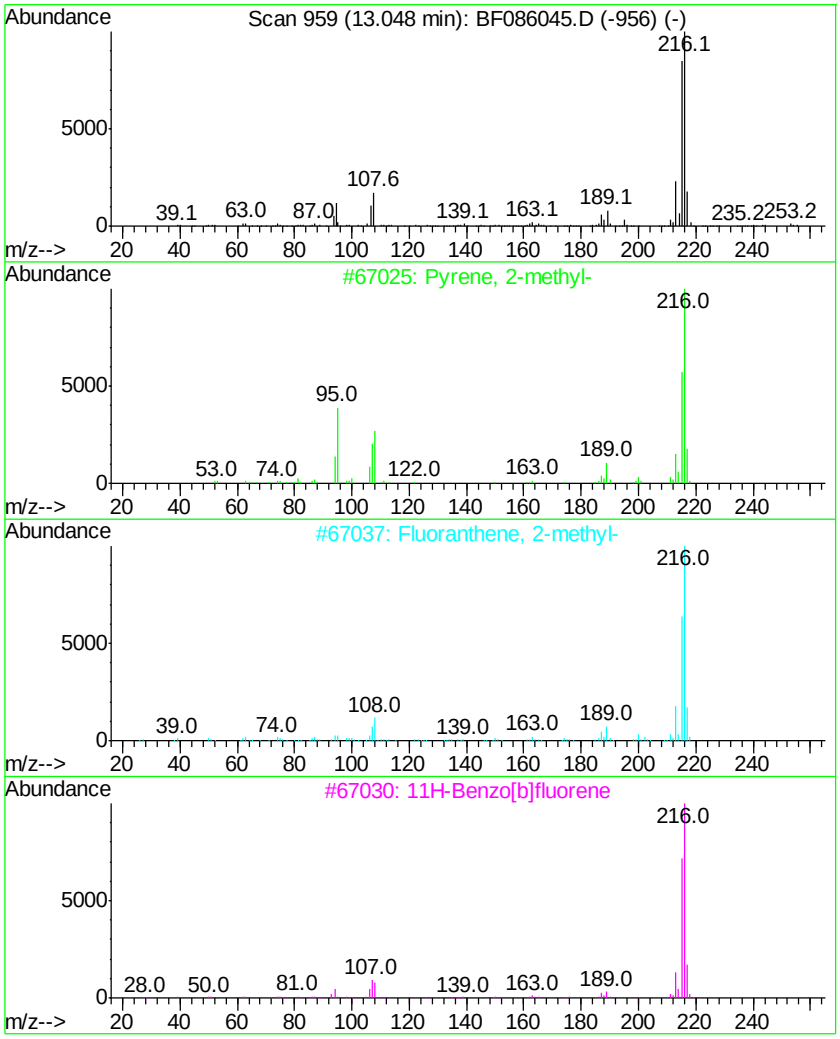
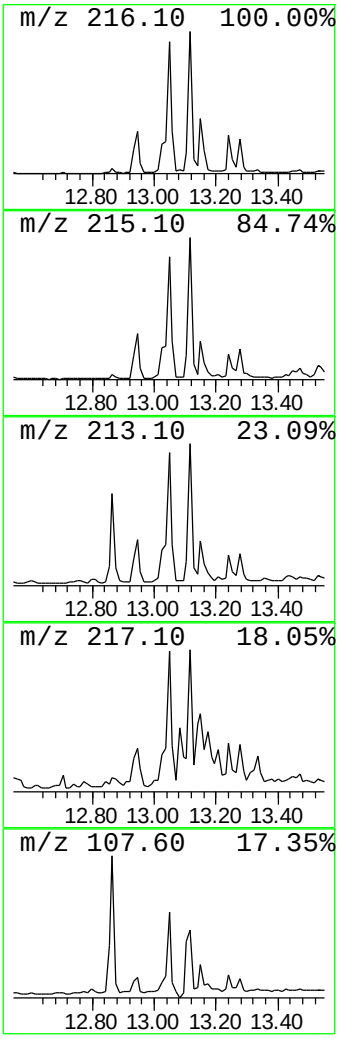
Peak Number 10 Pyrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	3.83 ng	321834	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Library Search Compound Report

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Data File : BF086045.D
Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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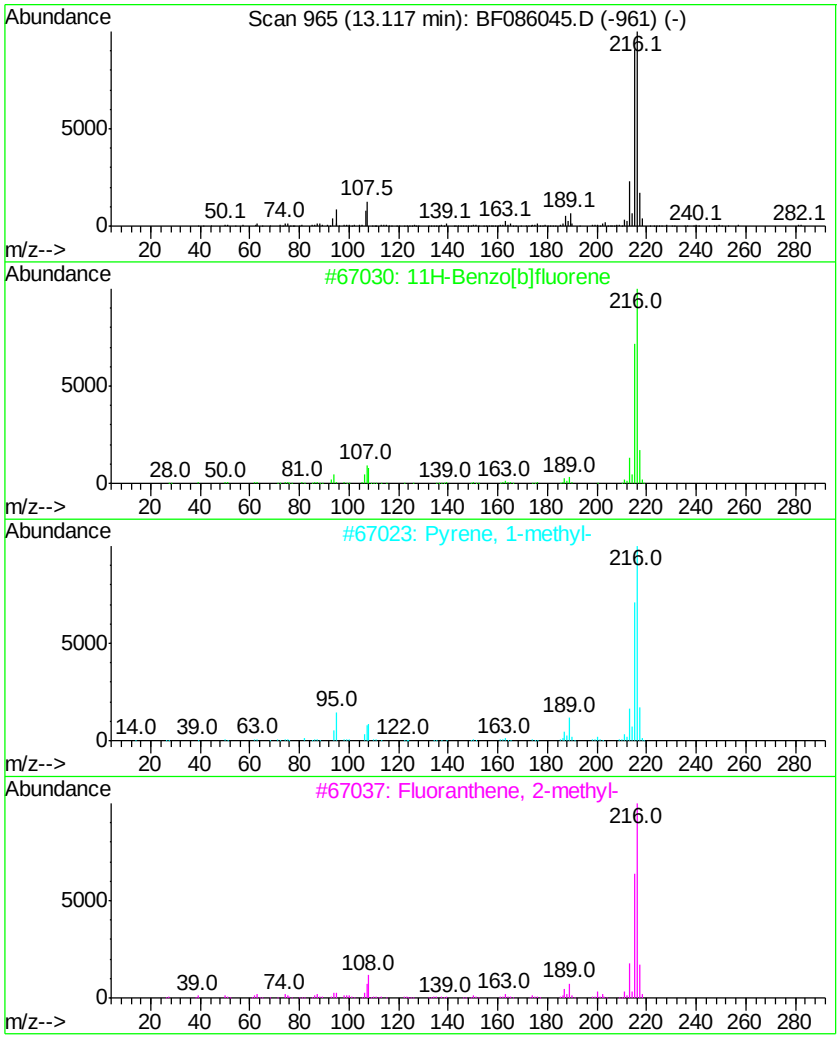
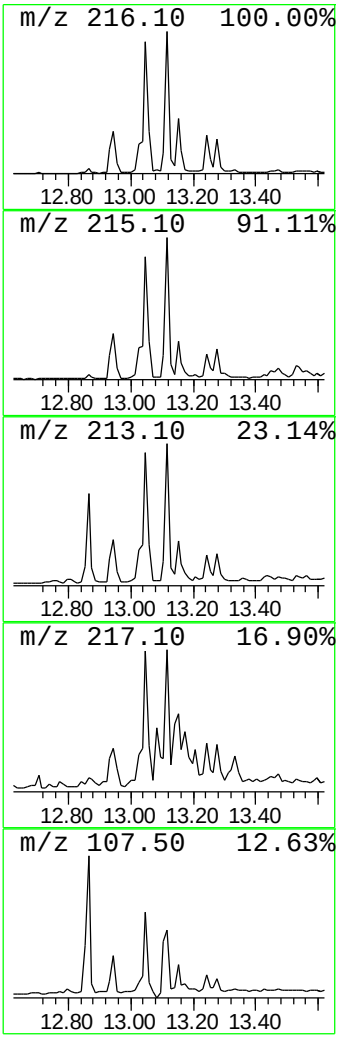
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	3.61 ng	303488	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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Data File : BF086045.D
Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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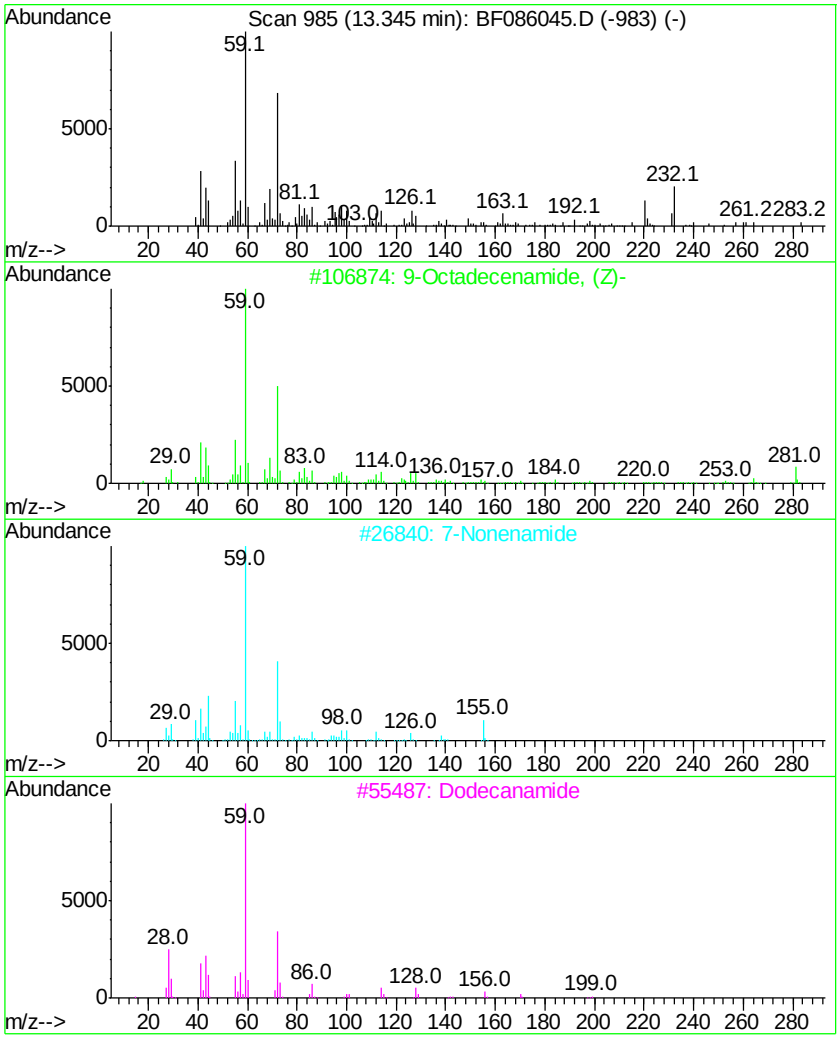
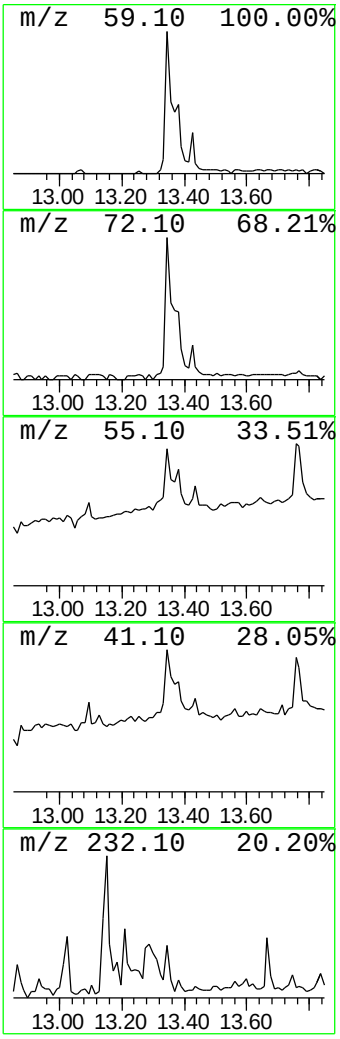
Peak Number 13 9-Octadecenamide, (Z)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	2.55 ng	214077	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	72
2	7-Nonenamide	155	C9H17NO	090949-53-4	68
3	Dodecanamide	199	C12H25NO	001120-16-7	64
4	Hexadecanamide	255	C16H33NO	000629-54-9	59
5	Silane, hexyl-	116	C6H16Si	001072-14-6	46





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Data File : BF086045.D
Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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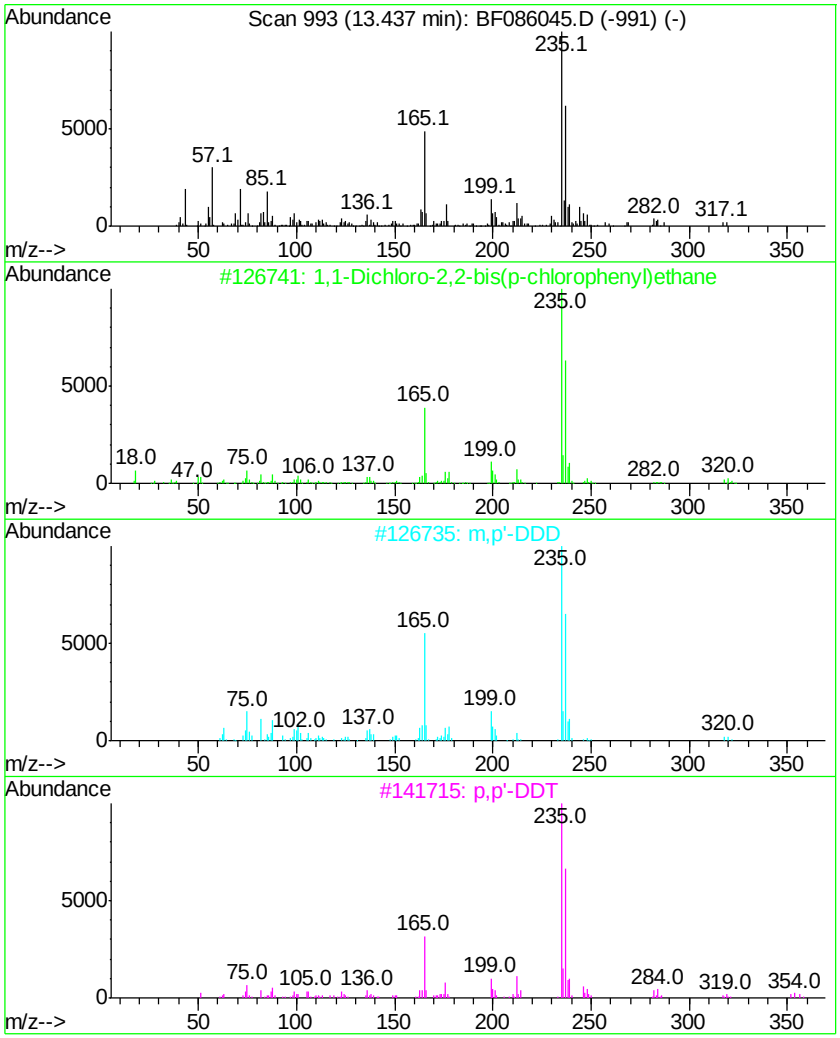
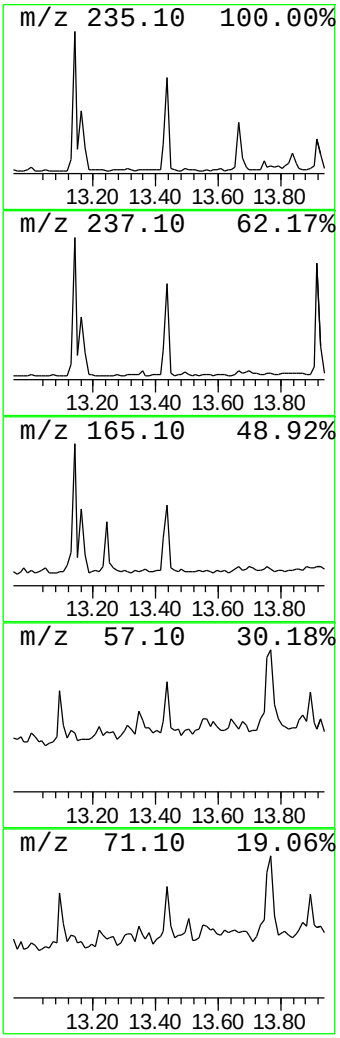
Peak Number 14 1,1-Dichloro-2,2-bis(p-chlo... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	2.13 ng	179012	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	87
2	m,p'-DDD	318	C14H10Cl4	004329-12-8	87
3	p,p'-DDT	352	C14H9Cl5	000050-29-3	80
4	2,2-Bis(p-chlorophenyl)ethanol	266	C14H12Cl2O	002642-82-2	74
5	3-Butanone, 1,1-bis(4-chlorophen...	320	C18H18Cl2O	1000158-20-4	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
Data File : BF086045.D
Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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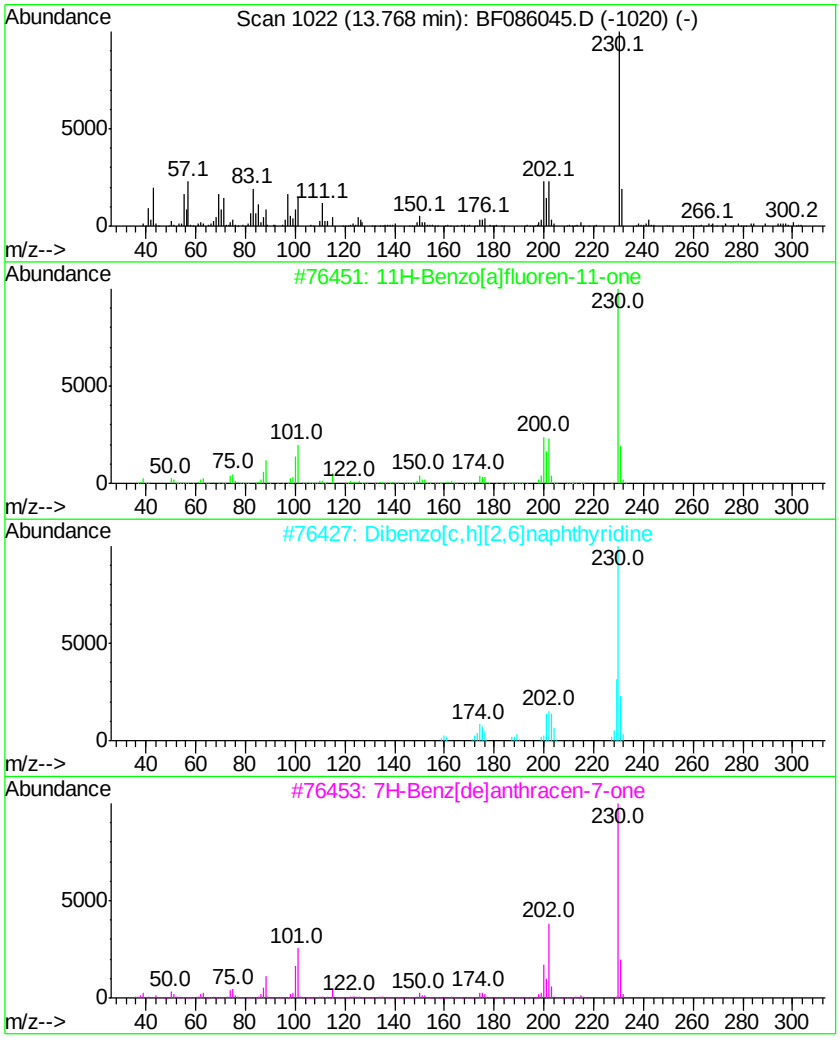
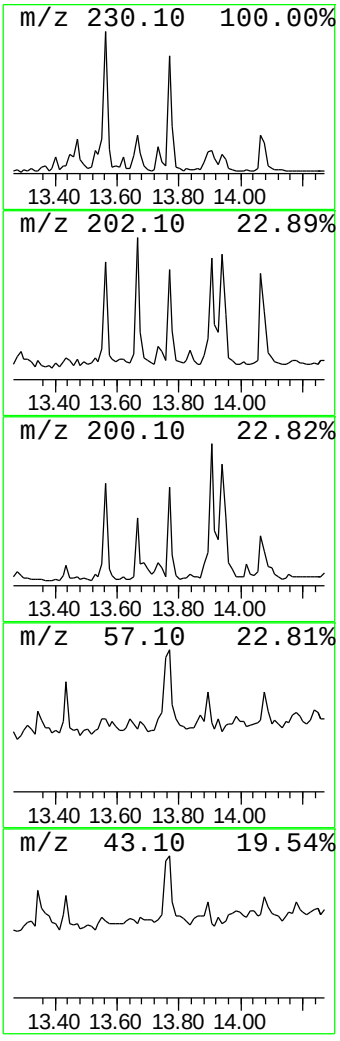
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.58 ng	216645	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	64
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
4	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	53
5	o-Terphenyl	230	C18H14	000084-15-1	47





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Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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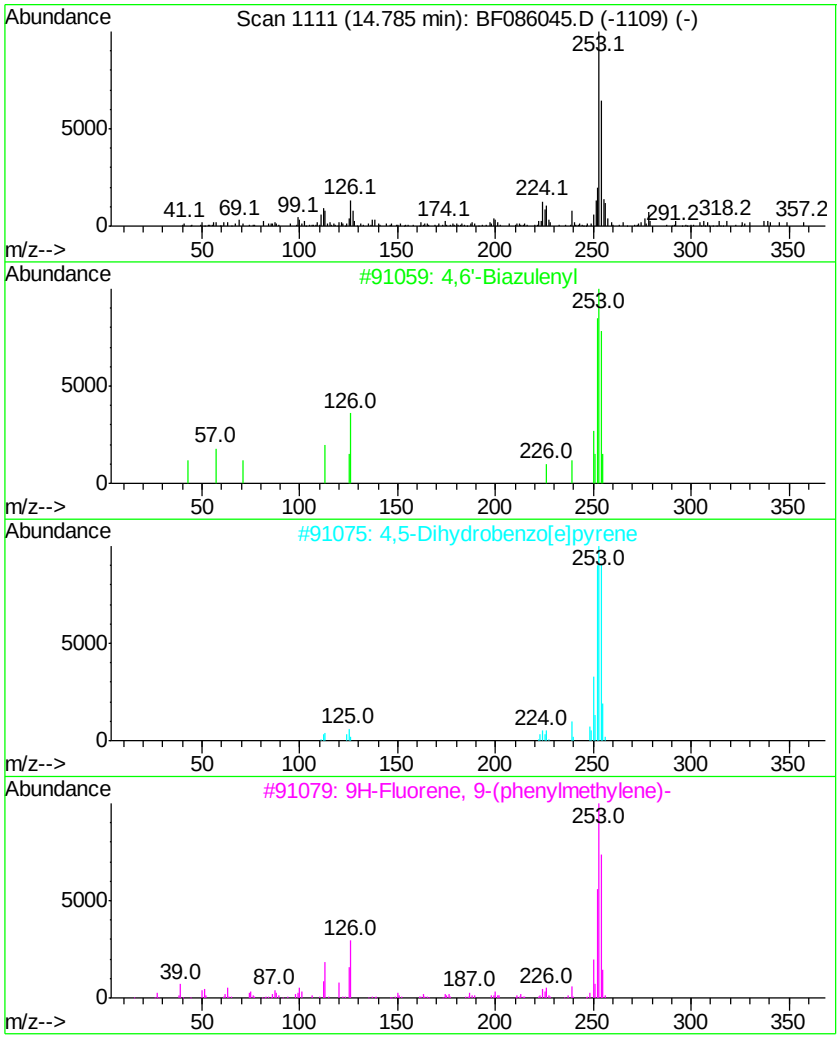
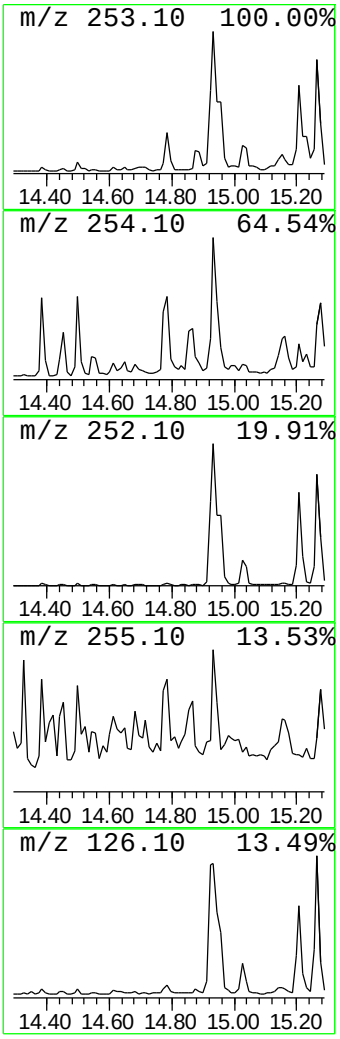
Peak Number 16 4,6'-Biazulenyl Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	3.00 ng	106488	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6'-Biazulenyl	254	C20H14	094154-49-1	70
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	68
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	59
4	4,4'-Biazulenyl	254	C20H14	094053-54-0	53
5	Benzofuran-5,6-diol-3-one, 2-ben...	254	C15H10O4	1000128-65-2	52





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Operator : UM/SJ
Sample : H2180-04
Misc :
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Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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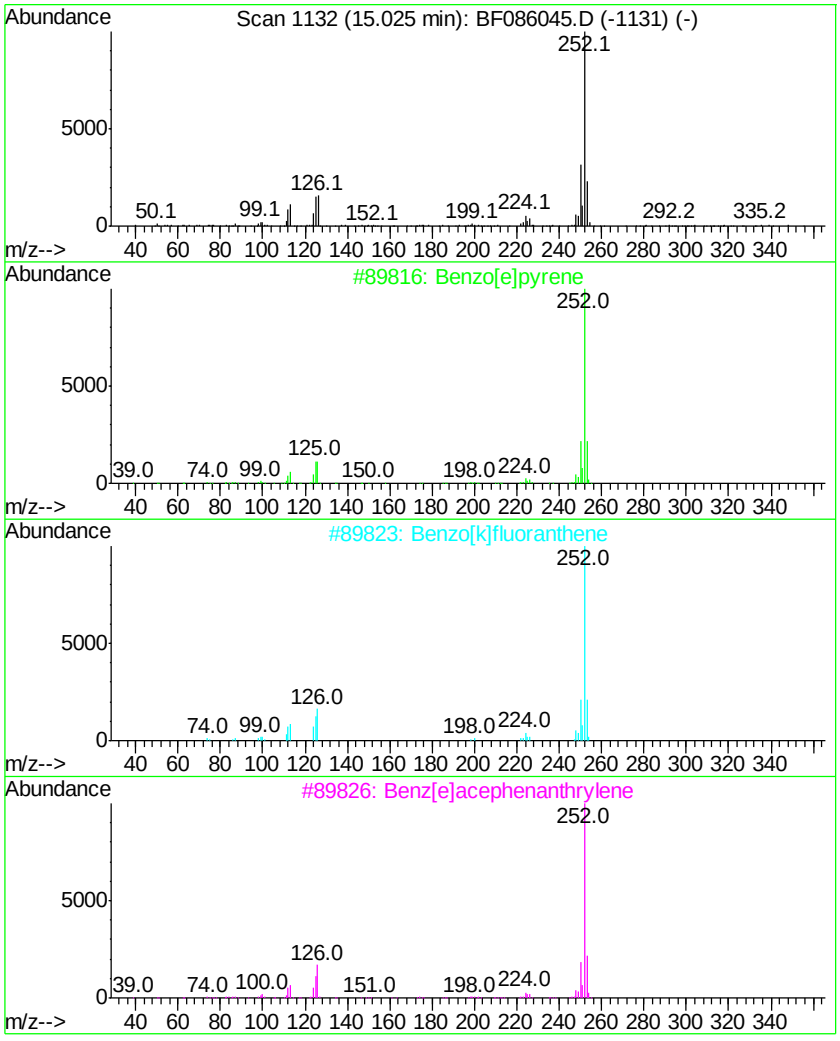
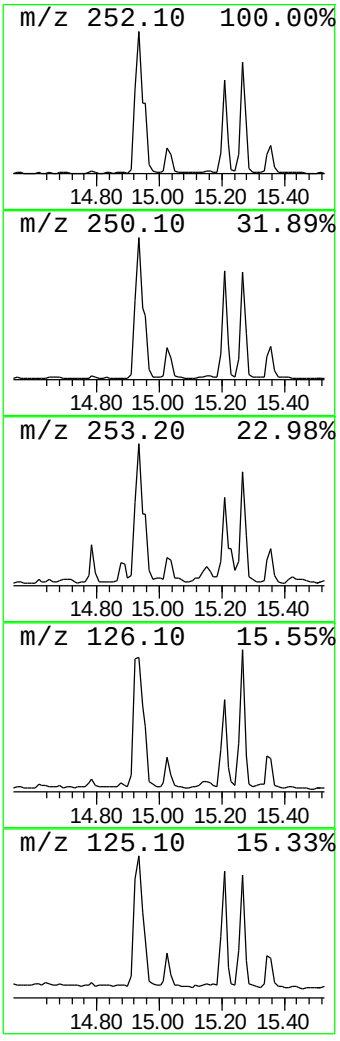
Peak Number 17 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	3.35 ng	118895	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	93





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Sample : H2180-04
Misc :
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Instrument : BNA_F
ClientSampleId : TK2-2-20160401

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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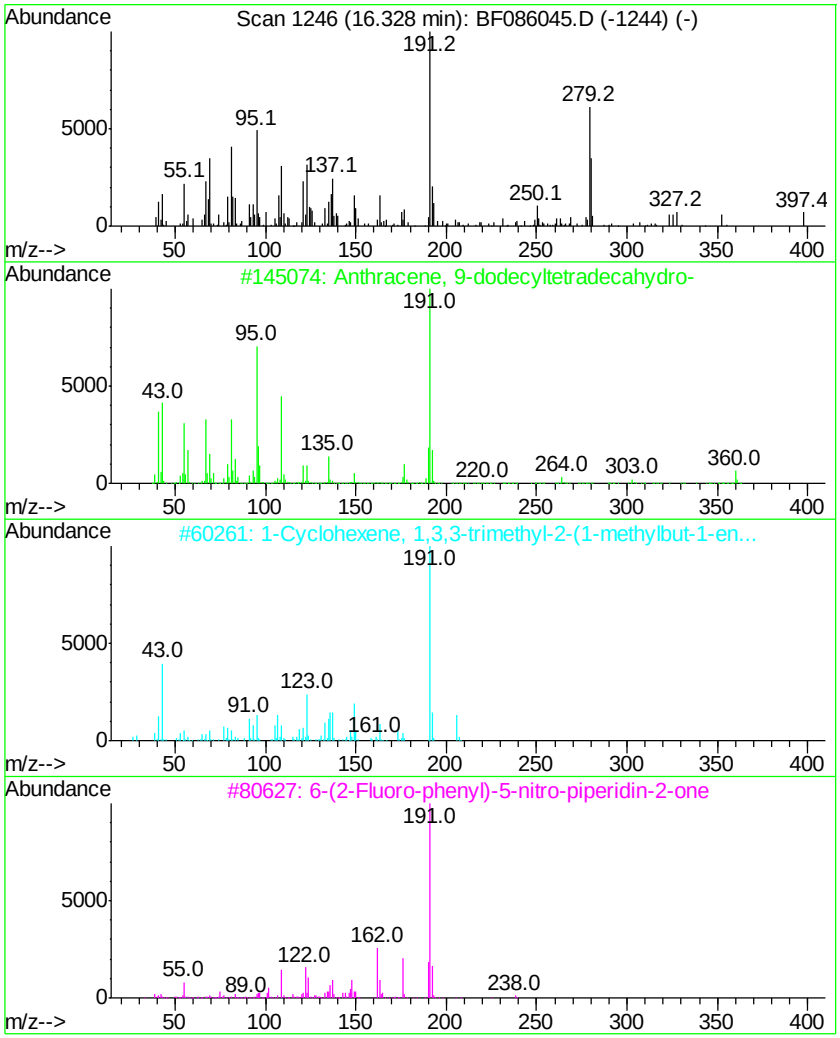
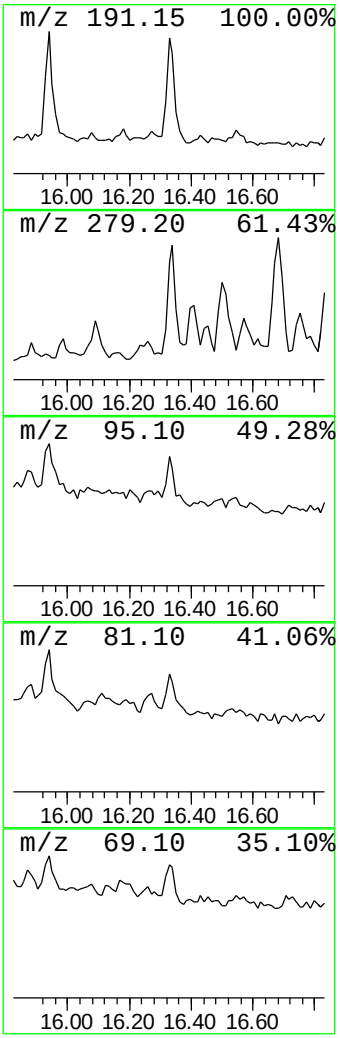
Peak Number 19 unknown16.33 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	2.24 ng	79417	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	37
2	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	35
3	6-(2-Fluoro-phenyl)-5-nitro-pipe...	238	C11H11FN2O3	1000275-16-4	30
4	9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	27
5	2,4,7-Pteridinetriamine, 6-methyl-	191	C7H9N7	017539-50-3	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040416\
Data File : BF086045.D
Acq On : 4 Apr 2016 18:32
Operator : UM/SJ
Sample : H2180-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
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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...	4.96	2.8	ng	99586	1	6.76	719979	20.0
unknown6.53	6.53	84.5	ng	3043600	1	6.76	719979	20.0
Pentadecane	10.24	2.9	ng	139423	3	9.80	953293	20.0
3-Methyl-4-(metho...	10.45	2.3	ng	107151	3	9.80	953293	20.0
Phenanthrene, 2-m...	11.81	3.6	ng	458822	4	11.28	2581070	20.0
4H-Cyclopenta[def...	11.89	3.4	ng	436285	4	11.28	2581070	20.0
Octadecanoic acid	12.60	3.1	ng	257733	5	13.92	1681640	20.0
Pyrene, 2-methyl-	13.05	3.8	ng	321834	5	13.92	1681640	20.0
11H-Benzo[b]fluorene	13.12	3.6	ng	303488	5	13.92	1681640	20.0
9-Octadecenamide,...	13.35	2.5	ng	214077	5	13.92	1681640	20.0
1,1-Dichloro-2,2-...	13.44	2.1	ng	179012	5	13.92	1681640	20.0
11H-Benzo[a]fluor...	13.77	2.6	ng	216645	5	13.92	1681640	20.0
4,6'-Biazulenyl	14.79	3.0	ng	106488	6	15.32	709609	20.0
Benzo[e]pyrene	15.03	3.4	ng	118895	6	15.32	709609	20.0
unknown16.33	16.33	2.2	ng	79417	6	15.32	709609	20.0