LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092379.D
Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-3

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-BF122116.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	4.621	246	248	264	rBV	816596	1497090	30.50%	2.455%
2	5.101	288	290	306	rBV	3209243	3979258	81.06%	6.526%
3	6.199	383	386	388	rBV	2899561	4028202	82.05%	6.606%
4	6.290	392	394	397	rVB	2778715	3371943	68.69%	5.530%
5	6.519	412	414	417	rBV	832514	762172	15.53%	1.250%
6	6.679	425	428	430	rBV	2943040	2801142	57.06%	4.594%
7	7.102	462	465	467	rBV	2132210	2346537	47.80%	3.848%
8	7.810	524	527	528	rBV	1716364	1515548	30.87%	2.485%
9	8.256	564	566	569	rBV3	69934	111963	2.28%	0.184%
10	8.428	579	581	583	rBV2	35921	74008	1.51%	0.121%
11	8.485	583	586	588	rVV2	50593	100394	2.05%	0.165%
12	8.519	588	589	591	rVV	192015	249291	5.08%	0.409%
13	8.622	595	598	601	rVB	301513	310250	6.32%	0.509%
14	8.793	611	613	614	rBV	48147	49333	1.00%	0.081%
15	8.850	614	618	619	rVV	87665	96960	1.98%	0.159%
16	8.896	619	622	624	rBV	4365062	4909152	100.00%	8.051%
17	8.965	624	628	629	rBV	115647	217676	4.43%	0.357%
18	8.988	629	630	632	rVB	101639	95173	1.94%	0.156%
19	9.148	642	644	646	rBV	145819	220693	4.50%	0.362%
20	9.216	649	650	652	rVV2	215454	326192	6.64%	0.535%
21	9.262	652	654	655	rVV2	323926	384243	7.83%	0.630%
22	9.296	655	657	659	rVV	782978	845650	17.23%	1.387%
23	9.342	659	661	663	rVV	121727	197667	4.03%	0.324%
24	9.422	666	668	669	rBV	480320	503543	10.26%	0.826%
25	9.468	671	672	674	rVV	235158	178024	3.63%	0.292%
26	9.513	674	676	677	rVV2	96164	146172	2.98%	0.240%
27	9.559	677	680	681	rVV	1480767	1513589	30.83%	2.482%
28	9.593	681	683	686	rVV	268248	328358	6.69%	0.539%
29	9.662	687	689	692	rVB4	77637	147824	3.01%	0.242%
30	9.719	692	694	695	rBV	60382	85515	1.74%	0.140%
31	9.765	696	698	700	rVB	287746	277484	5.65%	0.455%
32	9.799	700	701	703	rBV	52844	65645	1.34%	0.108%
33	9.833	703	704	706	rVB2	101800	78998	1.61%	0.130%
34	9.879	706	708	711	rBV3	136084	309998	6.31%	0.508%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092379.D
Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-3

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-BF122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.959	713	715	718	rBV2	158602	211355	4.31%	0.347%
36	10.005	718	719	722	rVB	161046	195768	3.99%	0.321%
37	10.108	726	728	731	rVB	373443	553313	11.27%	0.907%
38	10.188	731	735	736	rBV3	75273	148234	3.02%	0.243%
39	10.233	736	739	740	rBV2	156563	248930	5.07%	0.408%
40	10.268	740	742	745	rVB3	77232	127892	2.61%	0.210%
41	10.348	746	749	751	rBV	2121188	2163000	44.06%	3.547%
42	10.496	758	762	764	rVB2	283134	536884	10.94%	0.880%
43	10.645	773	775	777	rBV2	91718	178289	3.63%	0.292%
44	10.931	798	800	801	rBV	306104	317691	6.47%	0.521%
45	11.034	807	809	810	rBV	1160727	1160812	23.65%	1.904%
46	11.056	810	811	813	rVB	2094866	1664622	33.91%	2.730%
47	11.114	813	816	818	rBV	489429	590493	12.03%	0.968%
48	11.148	818	819	821	rBV	90911	111664	2.27%	0.183%
49	11.274	828	830	832	rBV	203861	205769	4.19%	0.337%
50	11.354	835	837	839	rVV2	148243	196739	4.01%	0.323%
51	11.445	843	845	848	rVB	82714	115284	2.35%	0.189%
52	11.536	851	853	854	rVV	381101	382050	7.78%	0.627%
53	11.559	854	855	857	rVV	320220	413096	8.41%	0.677%
54	11.594	857	858	861	rVV2	237914	443970	9.04%	0.728%
55	11.639	861	862	868	rVB	563086	952205	19.40%	1.562%
56	11.834	877	879	880	rBV	146557	146190	2.98%	0.240%
57	12.085	899	901	902	rBV	285539	303277	6.18%	0.497%
58	12.119	902	904	907	rVB2	178018	298120	6.07%	0.489%
59	12.176	907	909	911	rVB	132089	140928	2.87%	0.231%
60	12.245	913	915	917	rBV	2128655	2164765	44.10%	3.550%
61	12.291	917	919	922	rBV3	70358	135278	2.76%	0.222%
62	12.382	925	927	930	rBV3	124789	288279	5.87%	0.473%
63	12.462	932	934	936	rBV2	1583991	2243932	45.71%	3.680%
64	12.588	944	945	946	rBV	118080	129939	2.65%	0.213%
65	12.622	946	948	950	rVV	3152068	3217210	65.53%	5.276%
66	12.691	952	954	960	rVV4	134457	311521	6.35%	0.511%
67	12.805	960	964	965	rVB	333972	675067	13.75%	1.107%
68	12.862	967	969	971	rBV	402212	381876	7.78%	0.626%
69	12.897	971	972	976	rVB2	234226	368005	7.50%	0.604%
70	12.988	979	980	982	rBV	164958	224655	4.58%	0.368%
71	13.022	982	983	985	rVB	163941	147429	3.00%	0.242%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092379.D
Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-3

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-BF122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.411	1015	1017	1021	rBV3	160692	495349	10.09%	0.812%
73	13.662	1036	1039	1041	rBV2	1451677	2561747	52.18%	4.201%
74	13.765	1046	1048	1050	rBV2	180672	265548	5.41%	0.435%
75	14.668	1124	1127	1132	rVB	707903	1315408	26.80%	2.157%
76	14.920	1147	1149	1151	rVB	344392	353955	7.21%	0.580%
77	14.977	1151	1154	1156	rVB	439934	649164	13.22%	1.065%
78	15.022	1156	1158	1160	rBV	530248	628674	12.81%	1.031%
79	16.245	1263	1265	1270	rVB	249665	486179	9.90%	0.797%

Sum of corrected areas: 60976242

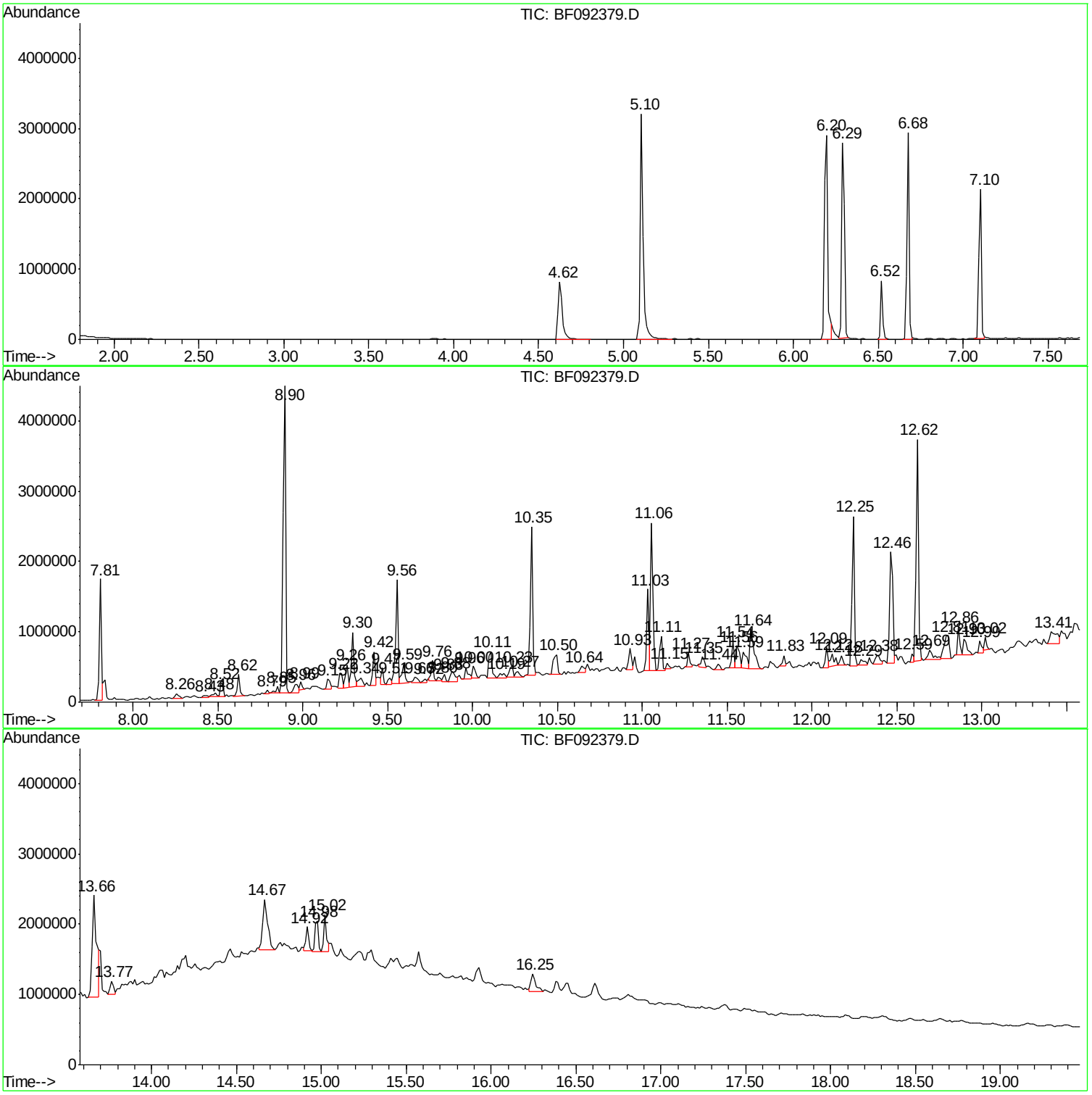
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092379.D
Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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\BF012017\
Data File : BF092379.D
Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

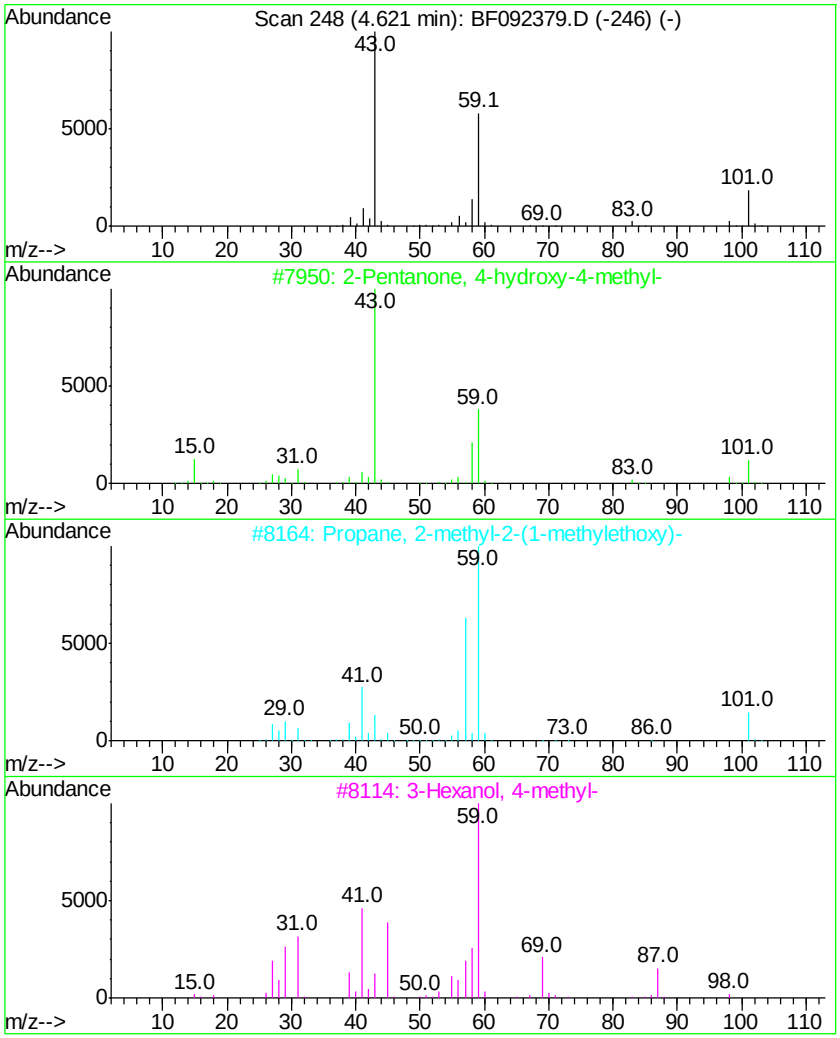
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

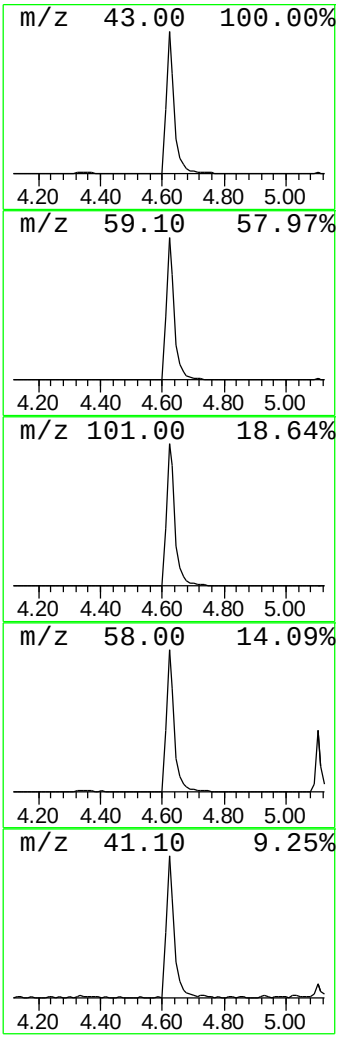
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	39.28 ng	1497090	1,4-Dichlorobenzene-d4	6.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092379.D
Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

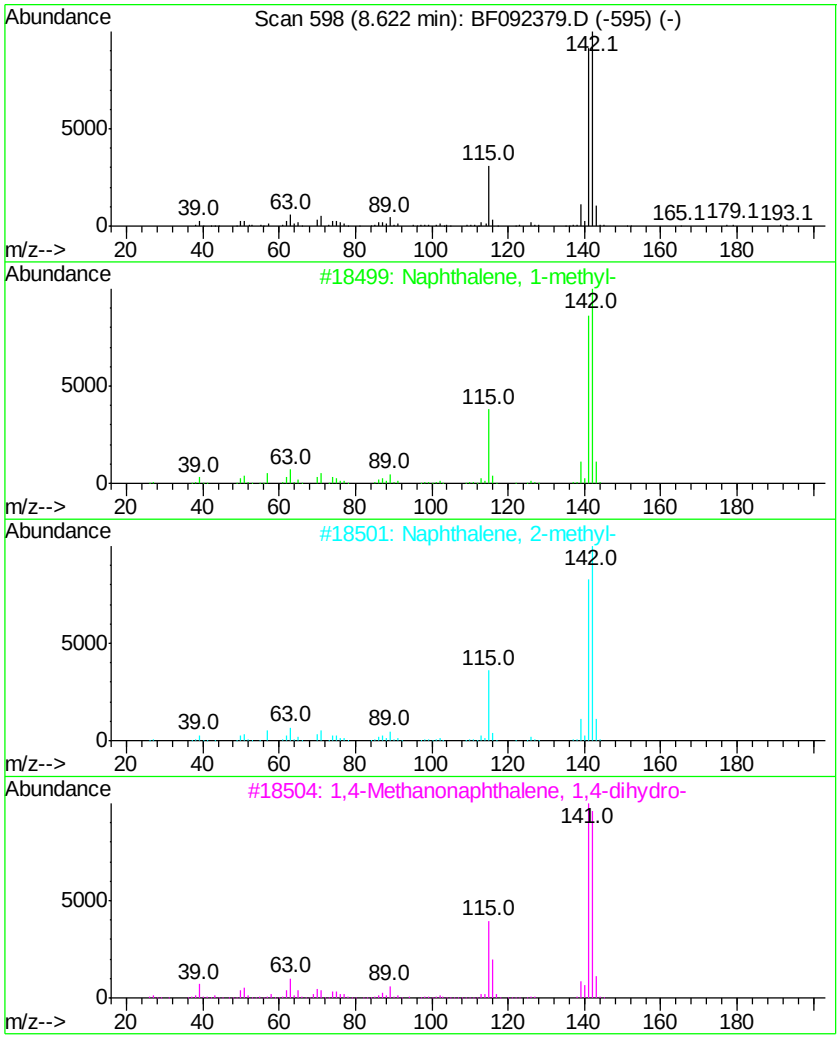
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

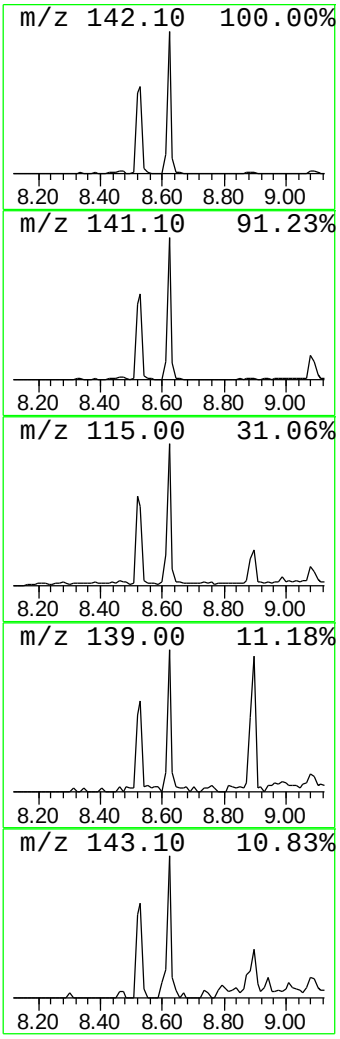
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	4.09 ng	310250	Naphthalene-d8	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092379.D
Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

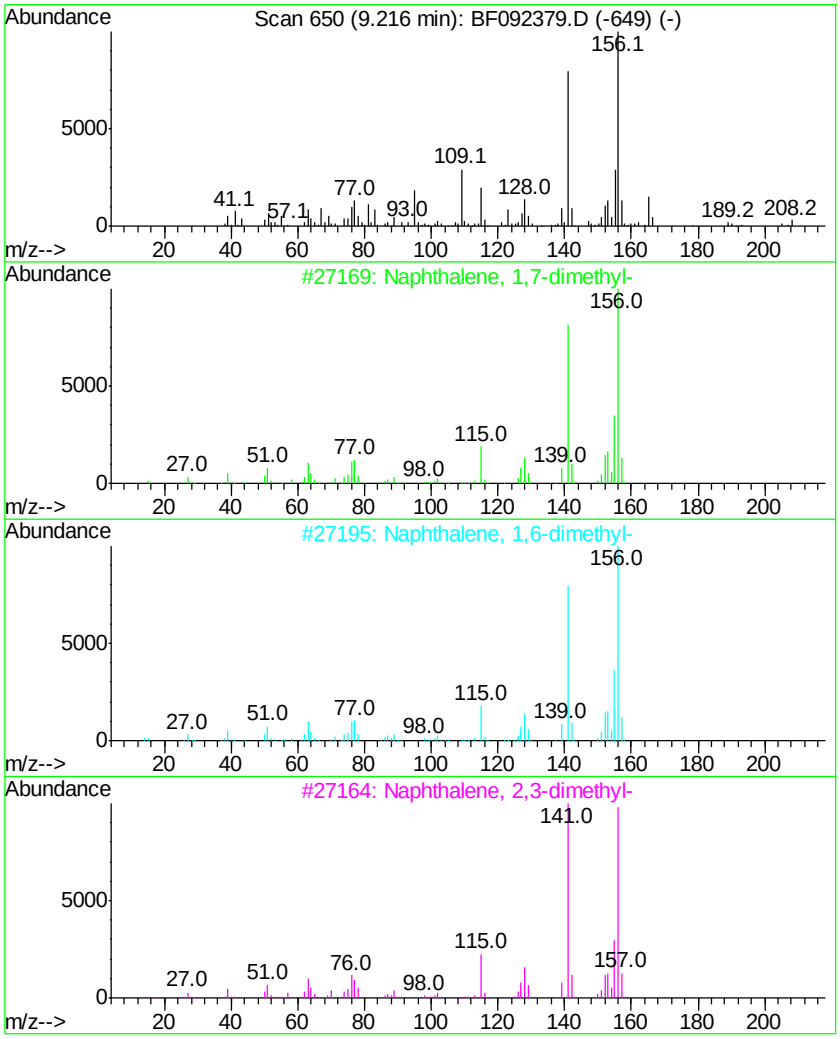
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

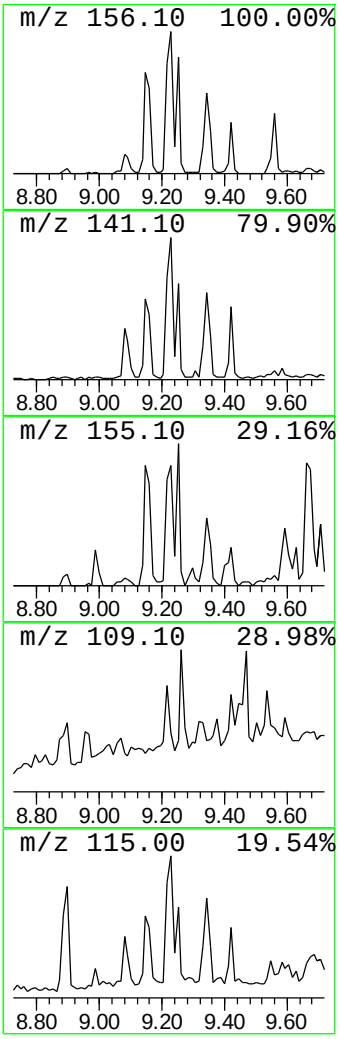
****

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	4.31 ng	326192	Acenaphthene-d10	9.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092379.D
Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

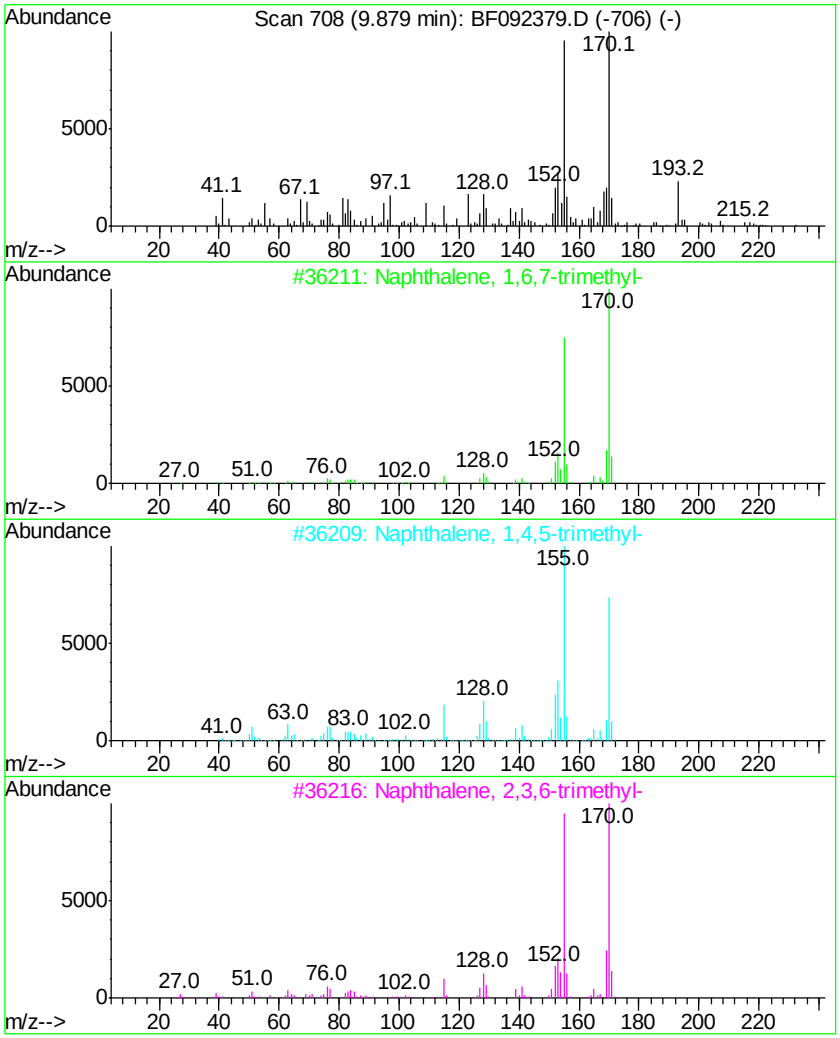
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

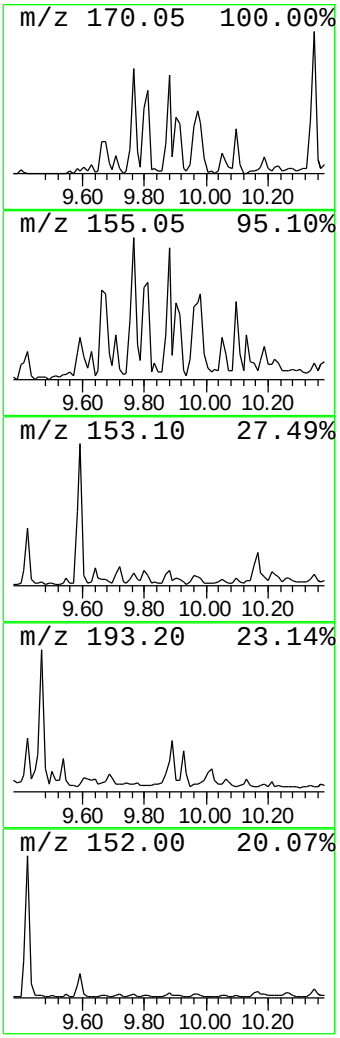
****

Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	4.10 ng	309998	Acenaphthene-d10	9.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	90
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092379.D
Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

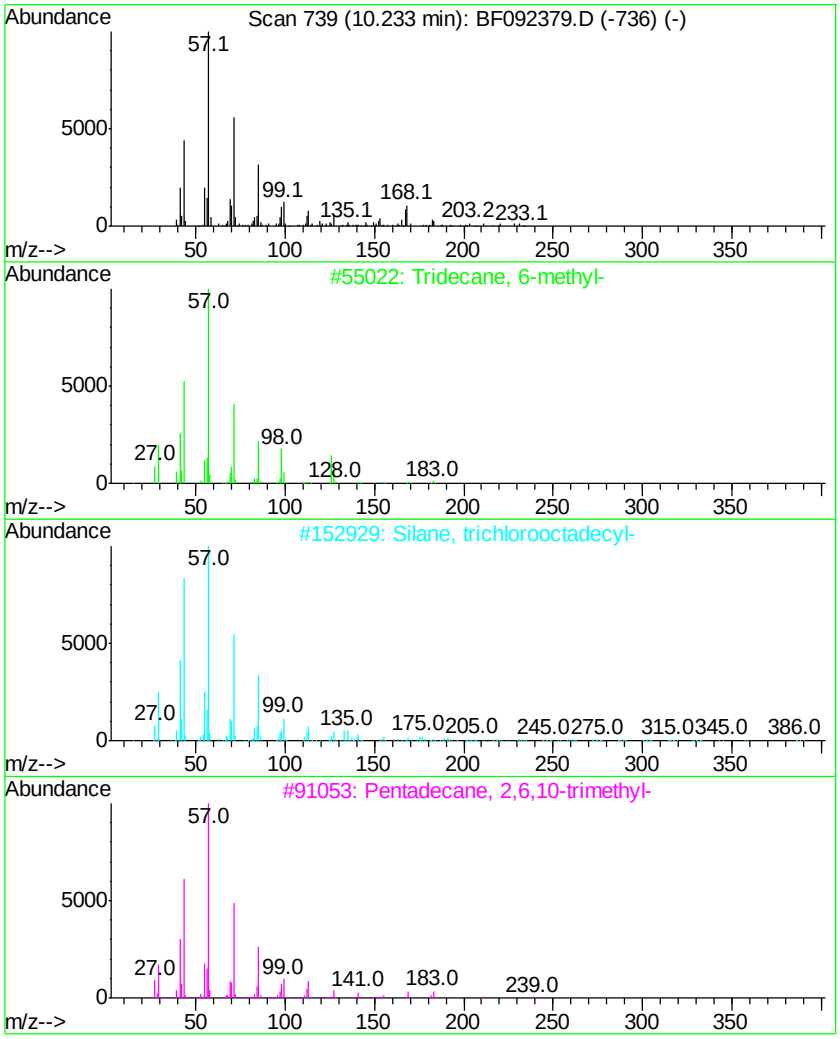
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

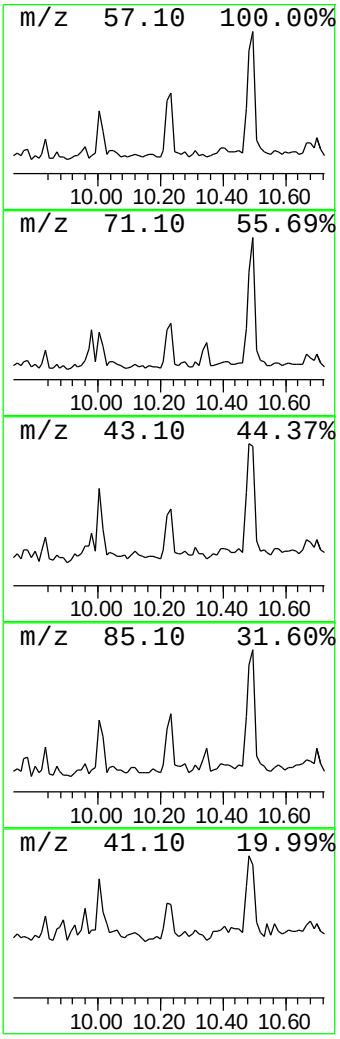
****

Peak Number 7 Tridecane, 6-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	3.29 ng	248930	Acenaphthene-d10	9.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	86
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	72
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	72
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	62
5	Hexadecane	226	C16H34	000544-76-3	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092379.D
Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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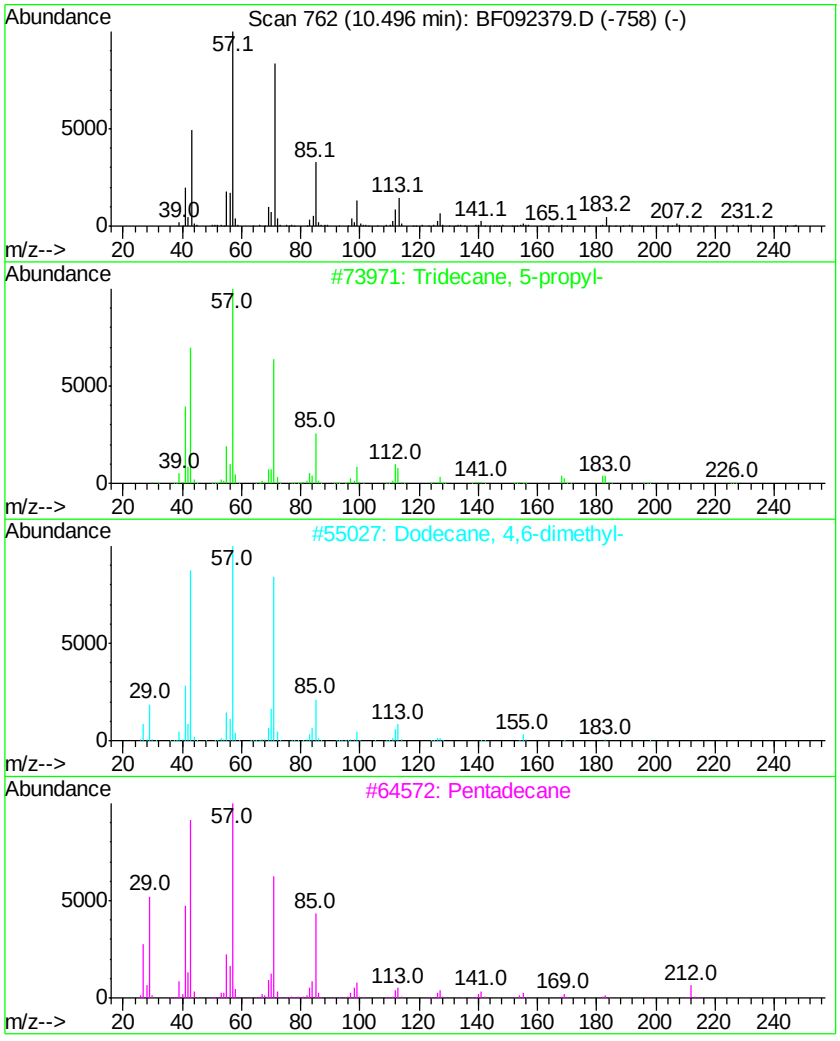
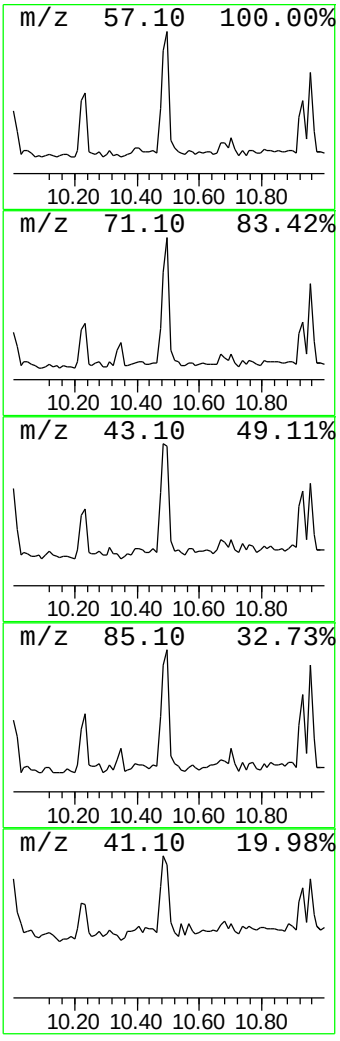
Peak Number 8 Tridecane, 5-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	9.25 ng	536884	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	83
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
3	Pentadecane	212	C15H32	000629-62-9	64
4	Hexadecane	226	C16H34	000544-76-3	64
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092379.D
Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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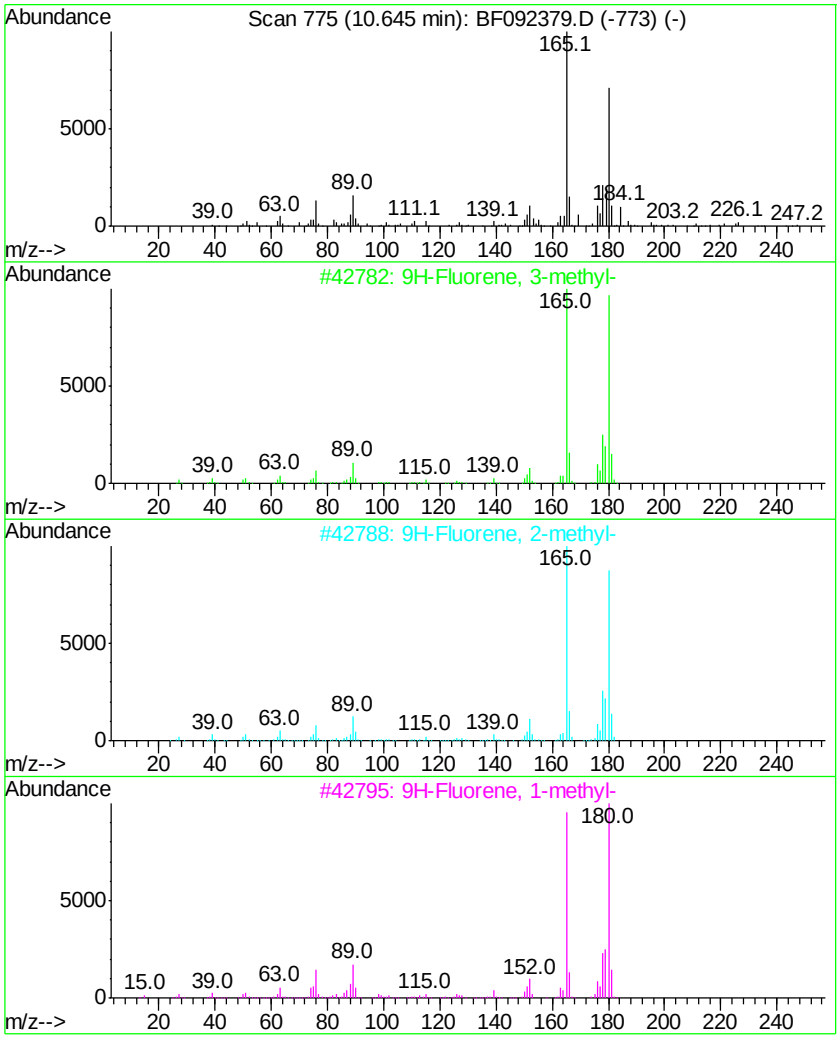
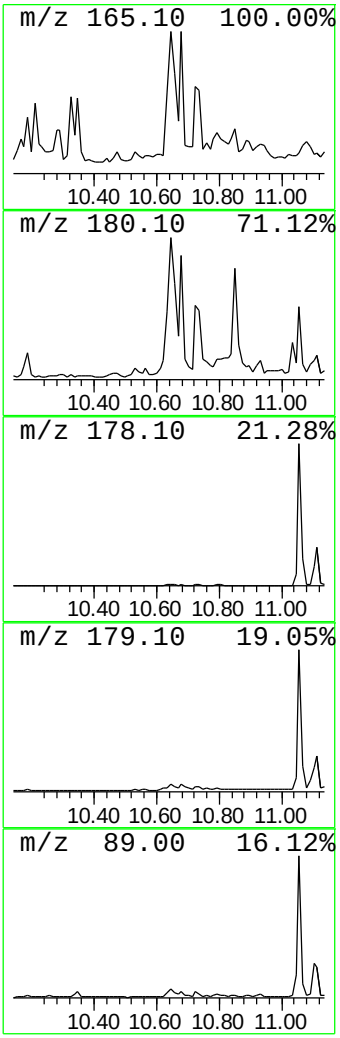
Peak Number 9 9H-Fluorene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	3.07 ng	178289	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90





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Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
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Instrument : BNA_F
ClientSampleId : B-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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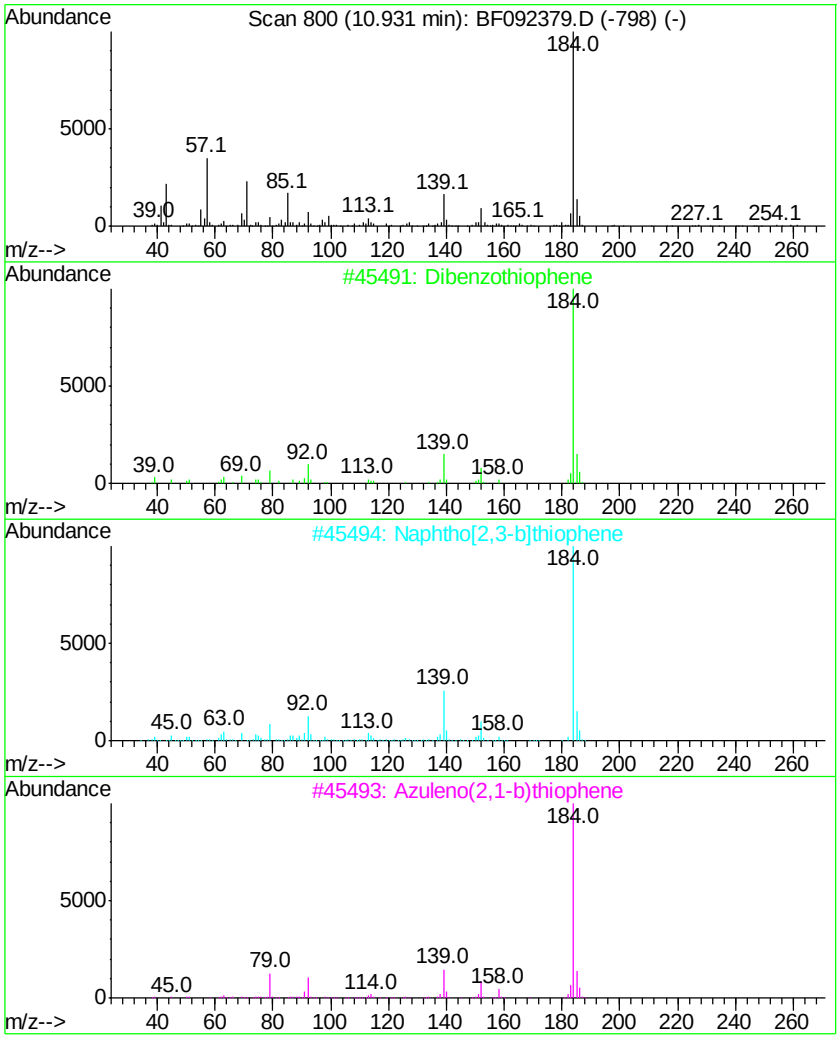
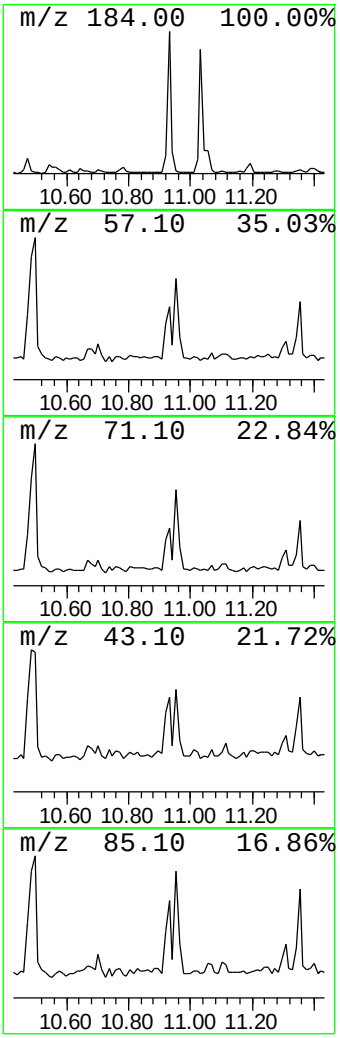
Peak Number 10 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	5.47 ng	317691	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	89
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	81
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	52
5	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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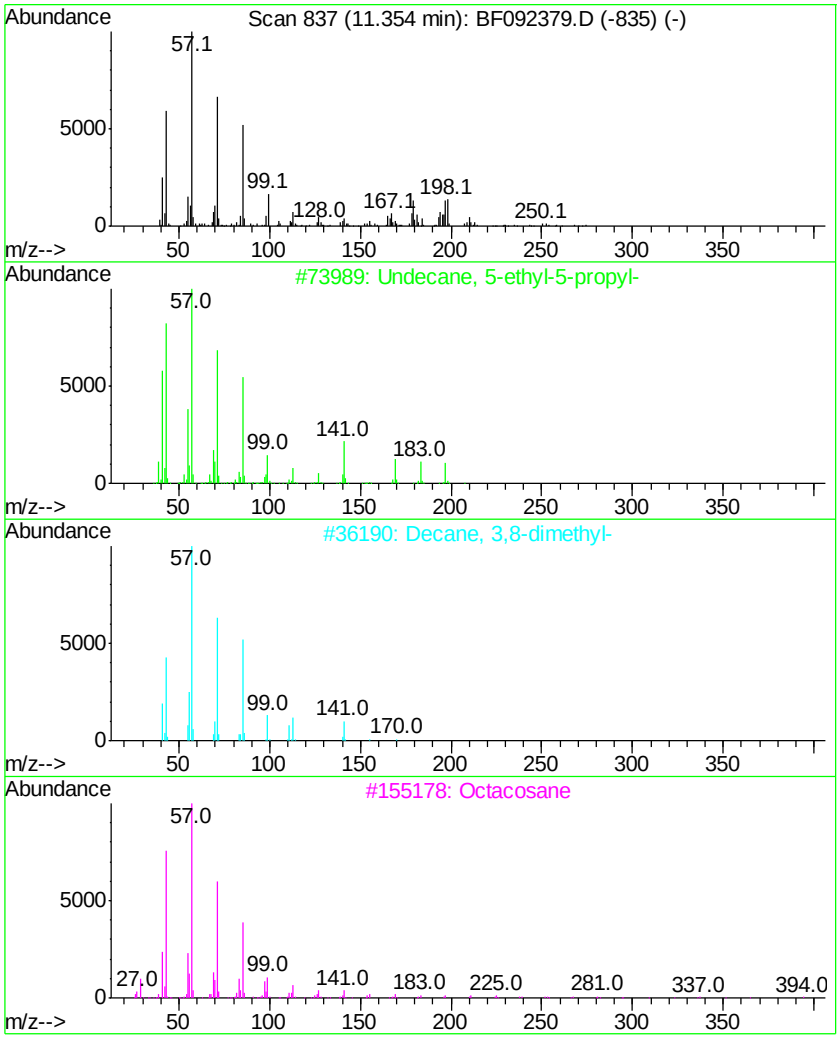
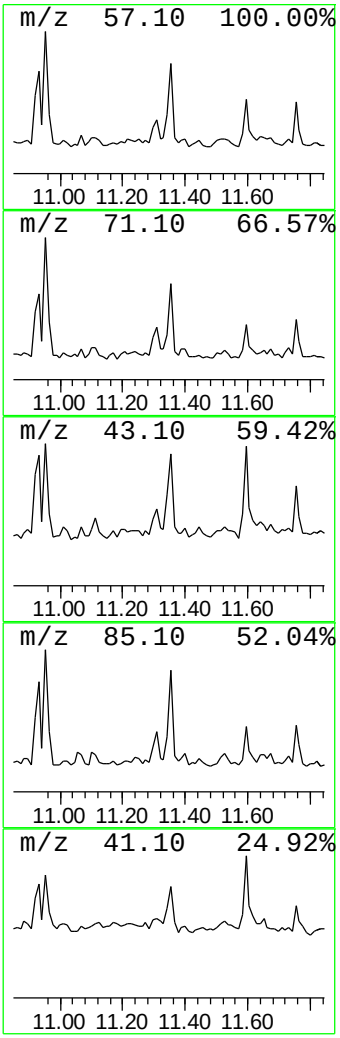
Peak Number 11 Undecane, 5-ethyl-5-propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	3.39 ng	196739	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-ethyl-5-propyl-	226	C16H34	002755-07-9	64
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	58
3	Octacosane	394	C28H58	000630-02-4	52
4	Tetradecane	198	C14H30	000629-59-4	52
5	Tridecane, 3-ethyl-	212	C15H32	013286-73-2	45





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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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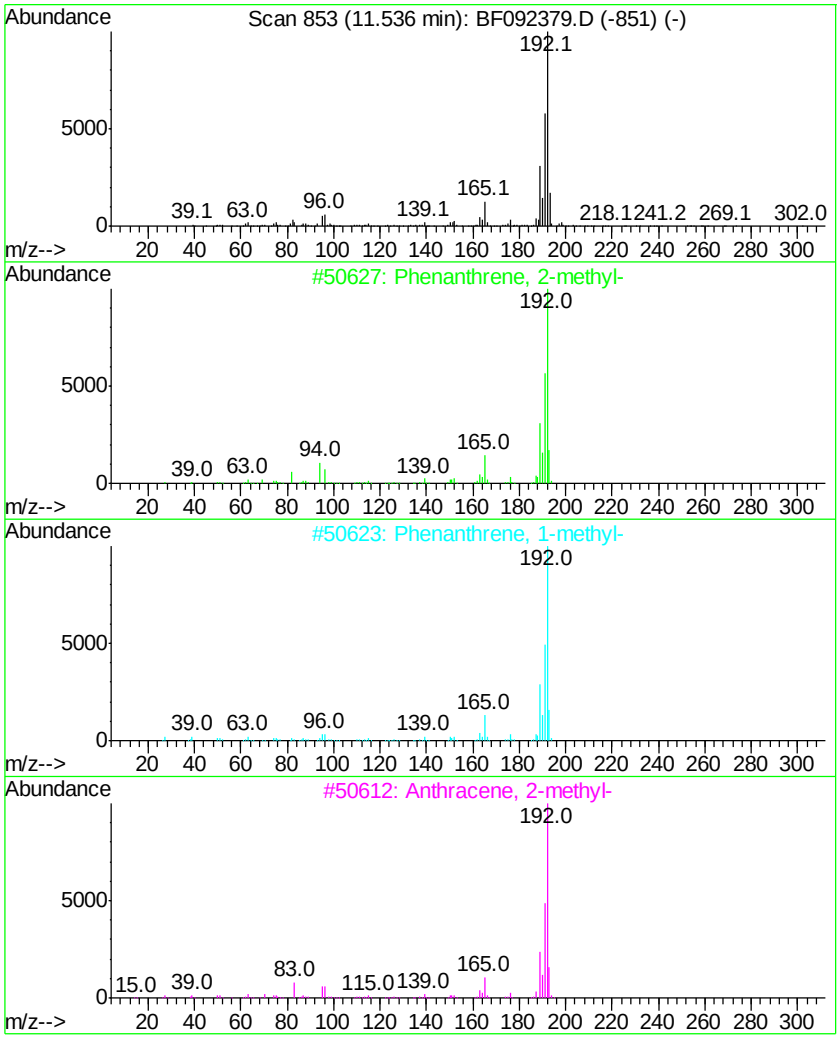
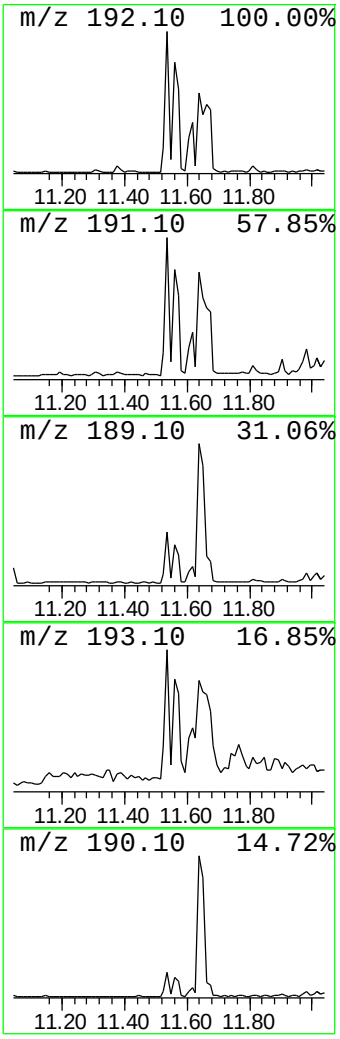
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	6.58 ng	382050	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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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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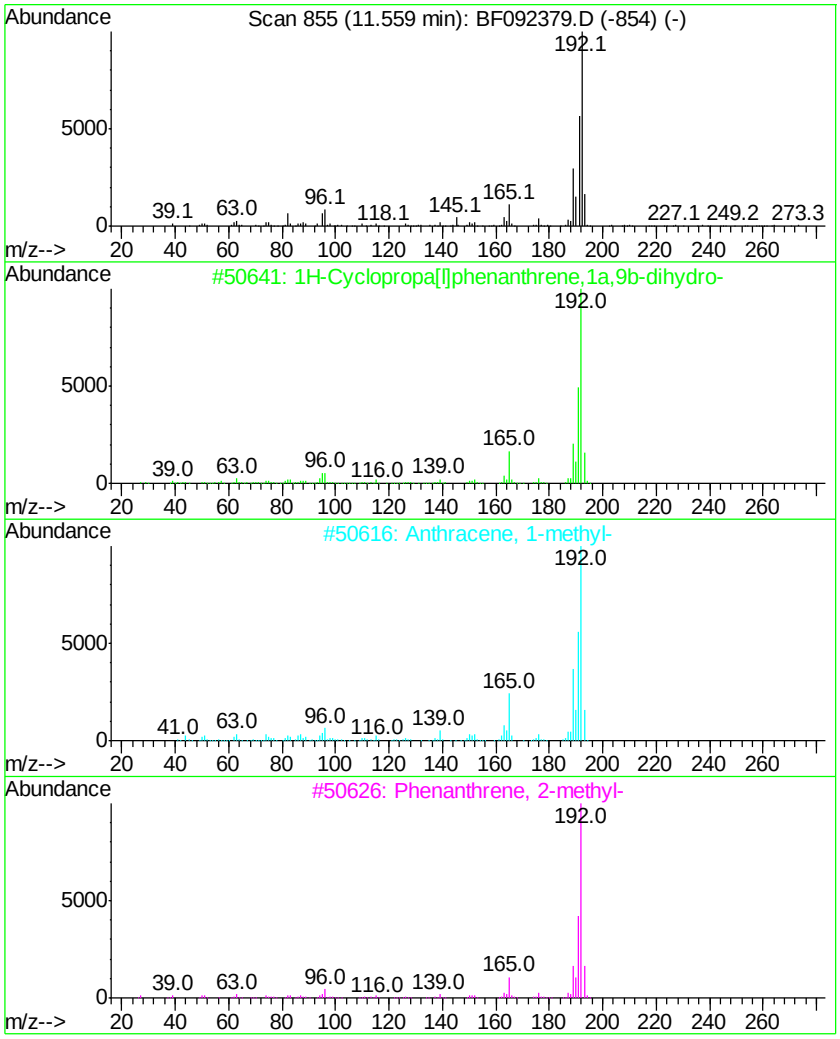
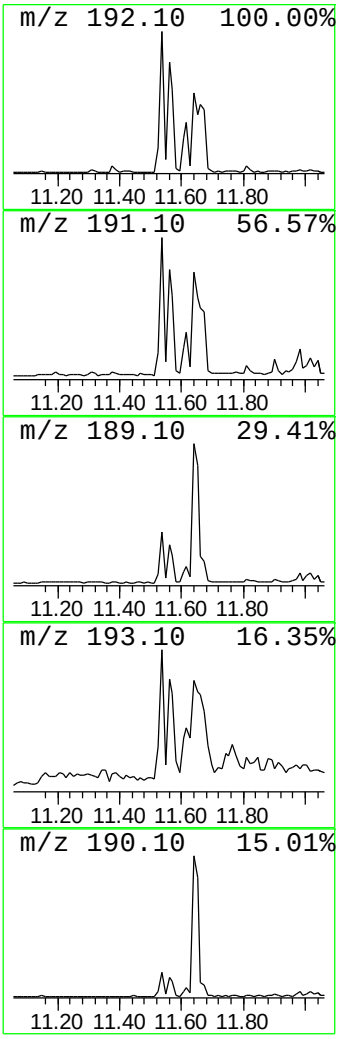
Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	7.12 ng	413096	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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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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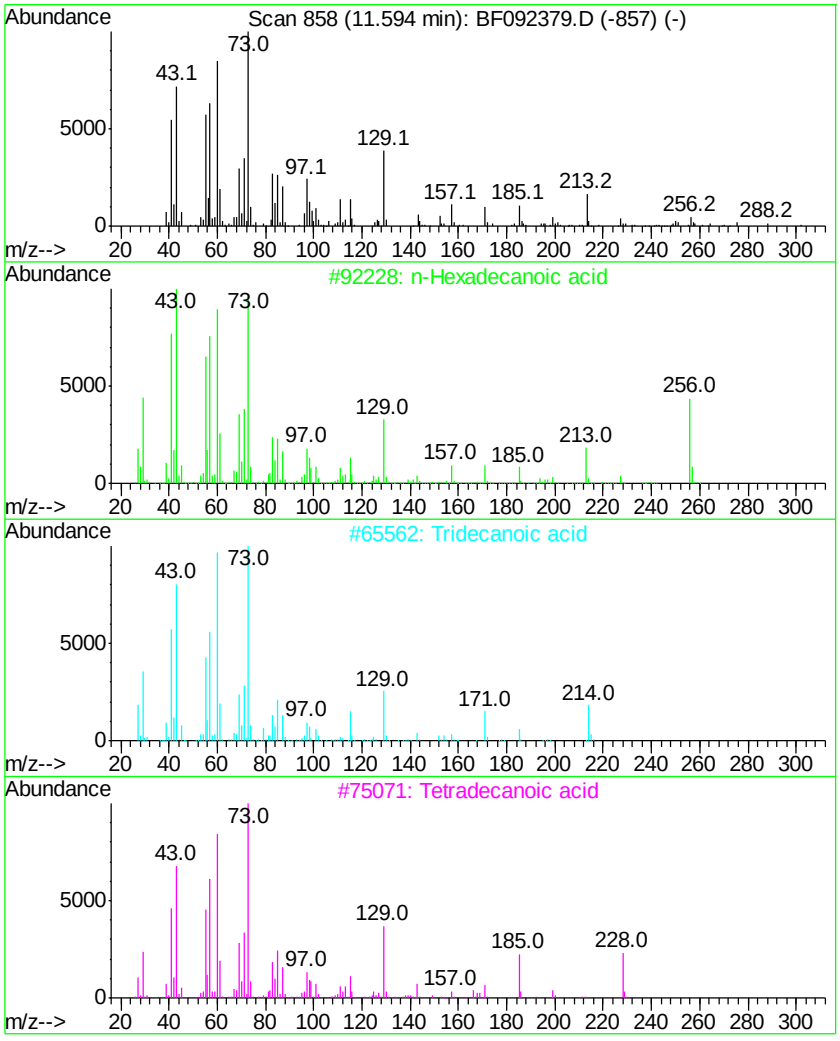
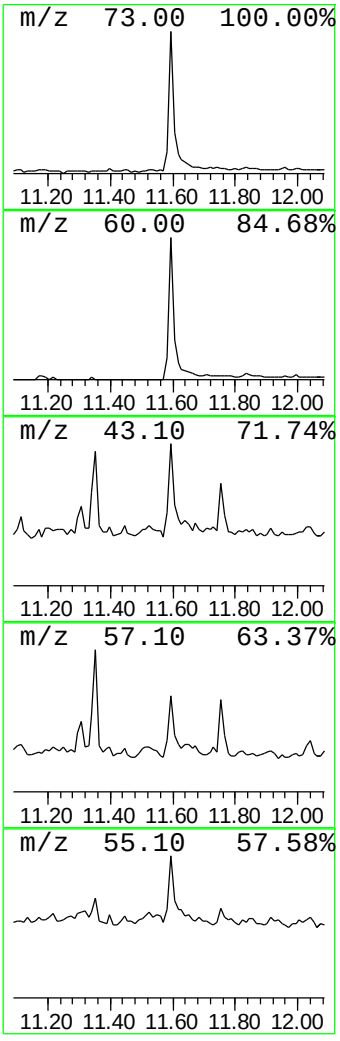
Peak Number 14 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	7.65 ng	443970	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





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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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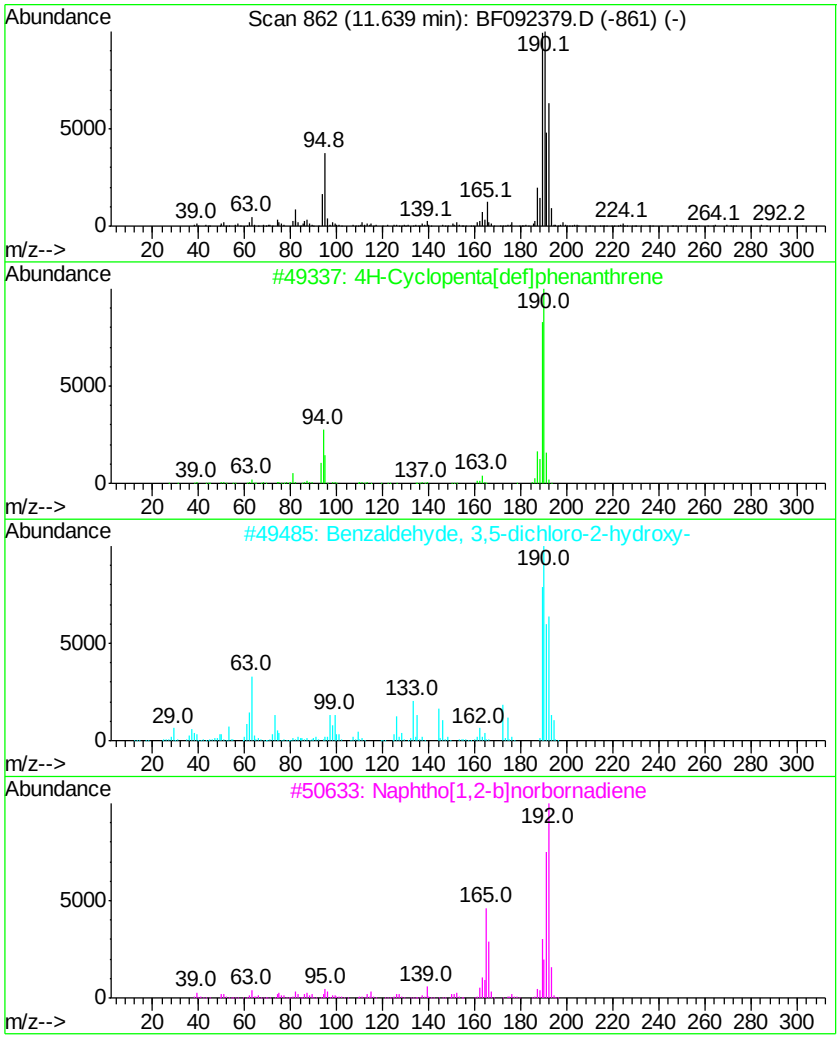
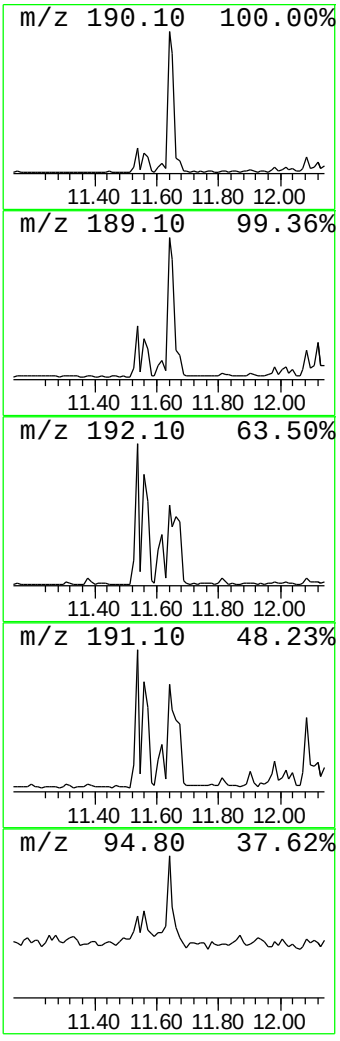
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	16.41 ng	952205	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	47
3	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	30
4	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25





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

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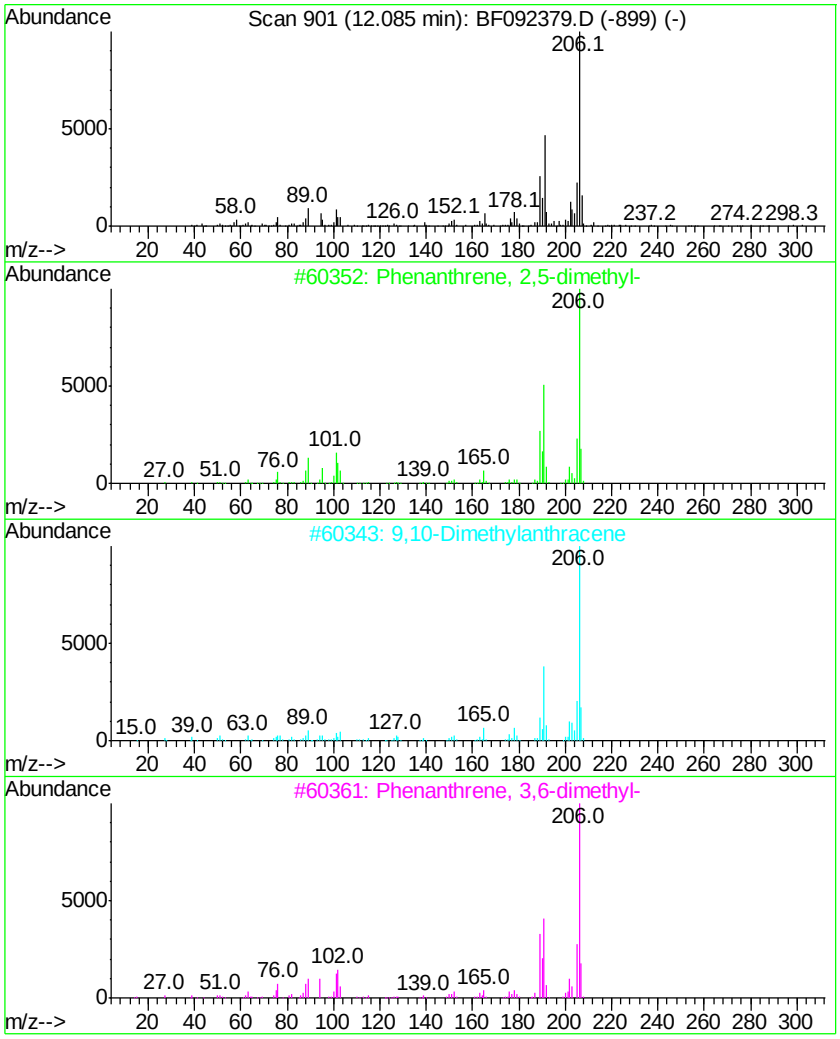
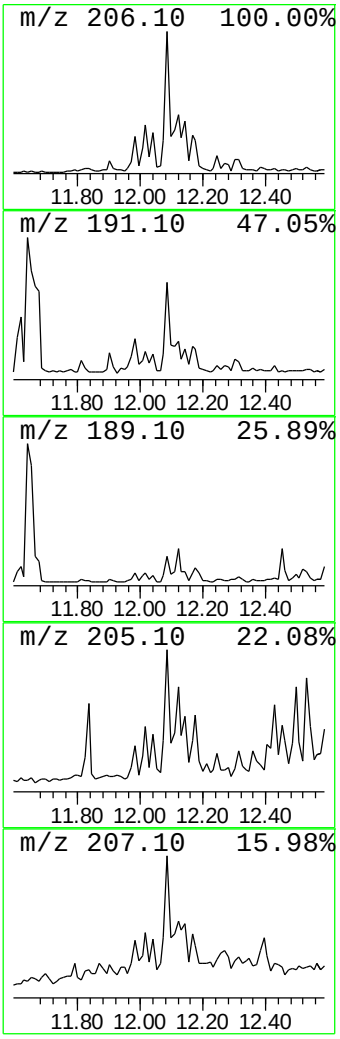
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	5.23 ng	303277	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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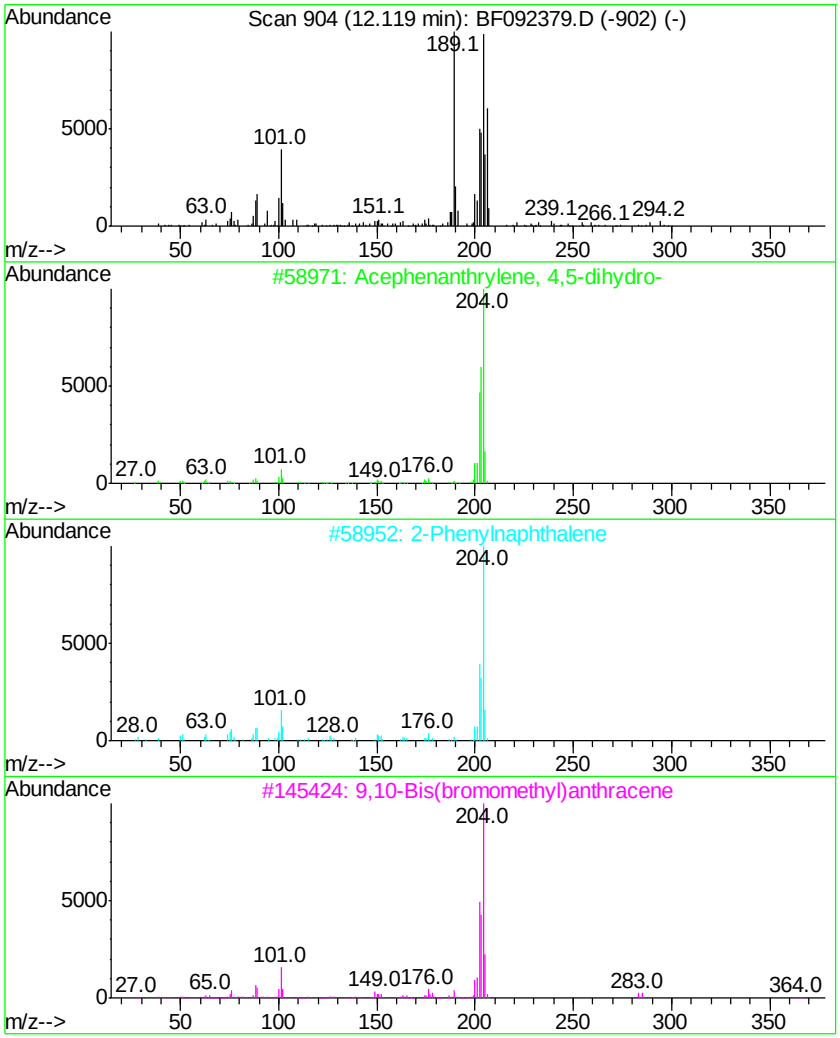
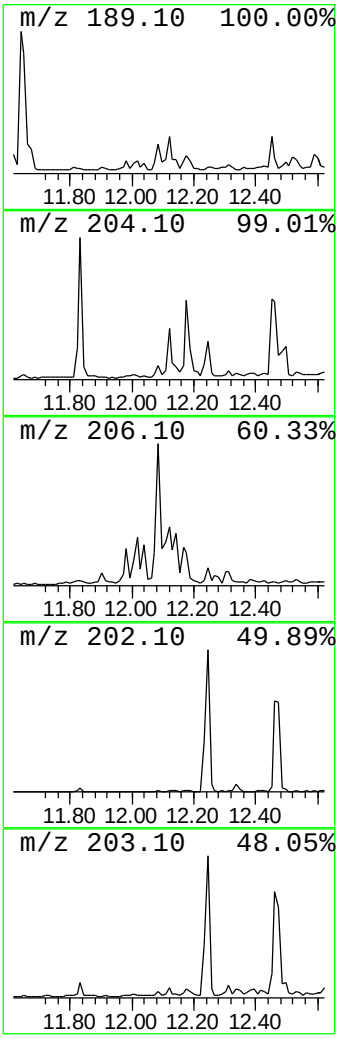
Peak Number 17 unknown12.12 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	5.14 ng	298120	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	43
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	43





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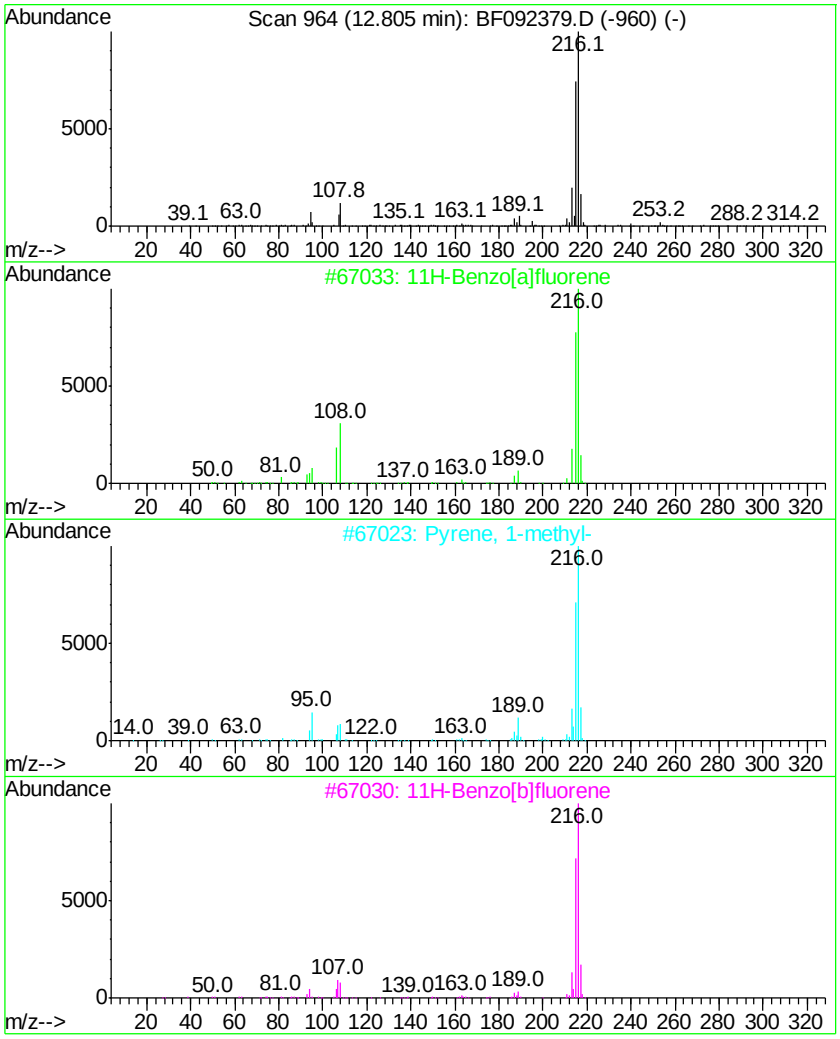
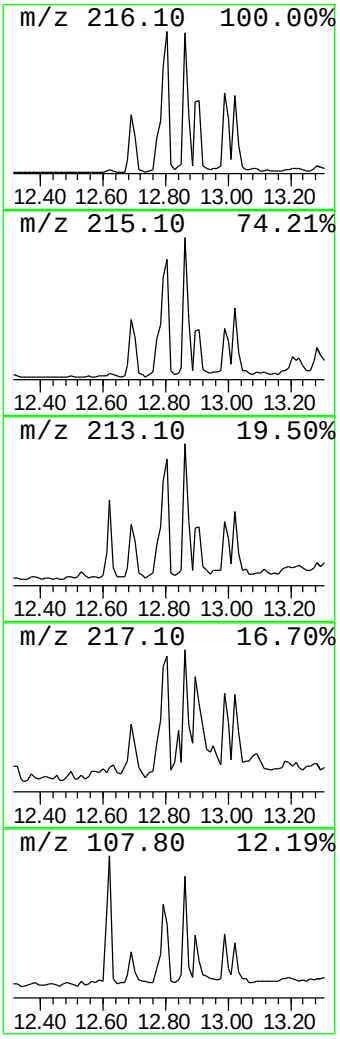
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	5.27 ng	675067	Chrysene-d12	13.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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TIC Library : C:\DATABASE\NIST02.L
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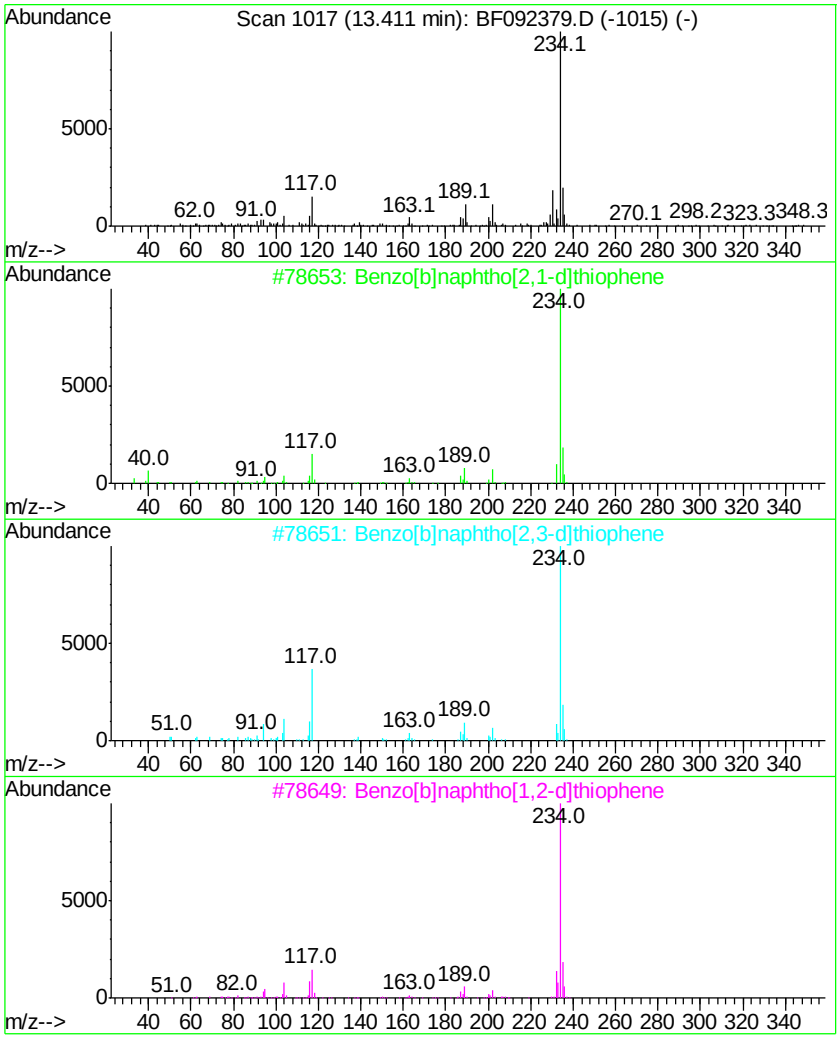
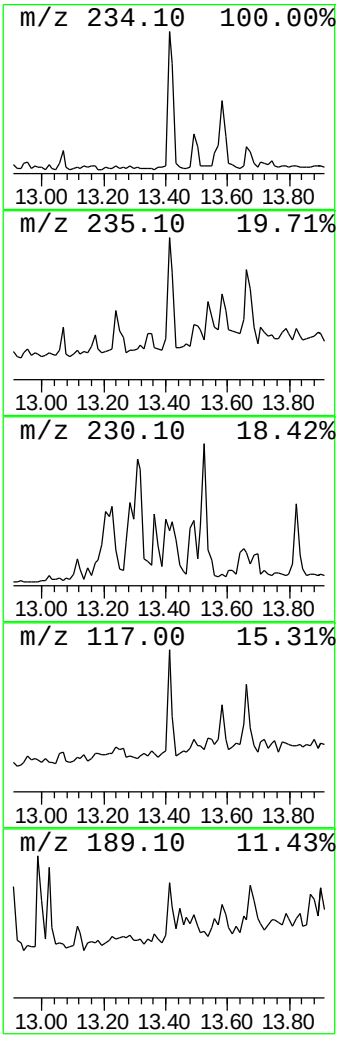
Peak Number 19 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	3.87 ng	495349	Chrysene-d12	13.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87
4	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	64
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	53





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

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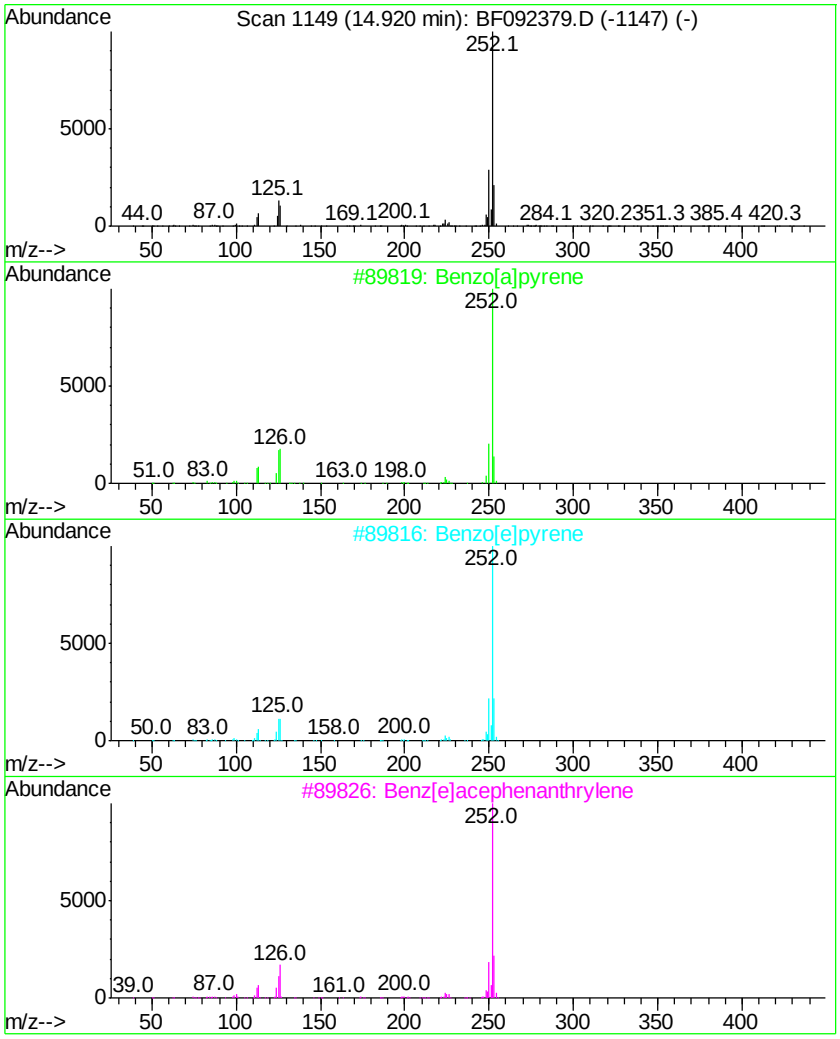
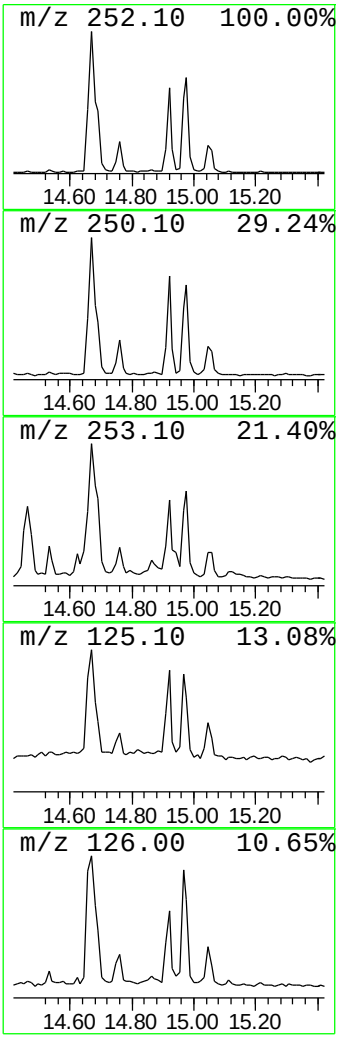
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	11.26 ng	353955	Perylene-d12	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	64





Tentatively Identified Compound (LSC) summary

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Acq On : 20 Jan 2017 18:16
Operator : UM/SJ
Sample : I1265-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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...	4.62	39.3	ng	1497090	1	6.52	762172	20.0
Naphthalene, 1-me...	8.62	4.1	ng	310250	2	7.81	1515550	20.0
Naphthalene, 1,7-...	9.22	4.3	ng	326192	3	9.56	1513590	20.0
Naphthalene, 1,6,...	9.88	4.1	ng	309998	3	9.56	1513590	20.0
Tridecane, 6-methyl-	10.23	3.3	ng	248930	3	9.56	1513590	20.0
Tridecane, 5-propyl-	10.50	9.3	ng	536884	4	11.03	1160810	20.0
9H-Fluorene, 3-me...	10.64	3.1	ng	178289	4	11.03	1160810	20.0
Dibenzothiophene	10.93	5.5	ng	317691	4	11.03	1160810	20.0
Undecane, 5-ethyl...	11.35	3.4	ng	196739	4	11.03	1160810	20.0
Phenanthrene, 2-m...	11.54	6.6	ng	382050	4	11.03	1160810	20.0
1H-Cyclopropa[l]p...	11.56	7.1	ng	413096	4	11.03	1160810	20.0
n-Hexadecanoic acid	11.59	7.7	ng	443970	4	11.03	1160810	20.0
4H-Cyclopenta[def...	11.64	16.4	ng	952205	4	11.03	1160810	20.0
Phenanthrene, 2,5...	12.09	5.2	ng	303277	4	11.03	1160810	20.0
unknown12.12	12.12	5.1	ng	298120	4	11.03	1160810	20.0
11H-Benzo[a]fluorene	12.81	5.3	ng	675067	5	13.66	2561750	20.0
Benzo[b]naphtho[2...	13.41	3.9	ng	495349	5	13.66	2561750	20.0
Benzo[e]pyrene	14.92	11.3	ng	353955	6	15.02	628674	20.0