LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080621.D
Acq On : 24 Jul 2015 5:52
Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

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-BF072315.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	2.544	36	40	46	rBV	83846	152931	14.73%	1.150%
2	5.104	262	264	269	rVB	83955	83935	8.08%	0.631%
3	5.527	299	301	303	rVB	107423	110598	10.65%	0.831%
4	6.556	389	391	393	rBV	287443	222805	21.46%	1.675%
5	6.704	402	404	407	rBV	212027	175483	16.90%	1.319%
6	6.944	423	425	428	rVB	308357	265810	25.60%	1.998%
7	7.104	435	439	441	rBV	211610	180623	17.39%	1.358%
8	7.505	472	474	476	rVB	176705	135944	13.09%	1.022%
9	8.167	530	532	536	rBV	37075	34392	3.31%	0.259%
10	8.236	536	538	542	rVB2	438083	420119	40.46%	3.158%
11	8.830	589	590	592	rVB	14294	11126	1.07%	0.084%
12	8.968	598	602	603	rBV2	80575	101437	9.77%	0.763%
13	9.048	607	609	614	rVB2	18331	22952	2.21%	0.173%
14	9.196	616	622	624	rBV3	7674	13949	1.34%	0.105%
15	9.310	630	632	635	rVB	297540	243322	23.43%	1.829%
16	9.402	638	640	644	rVB	11654	20845	2.01%	0.157%
17	9.573	653	655	658	rBV	10268	14058	1.35%	0.106%
18	9.653	660	662	663	rVV	18341	14563	1.40%	0.109%
19	9.710	665	667	669	rVV3	26442	30673	2.95%	0.231%
20	9.859	678	680	683	rBV	12851	18131	1.75%	0.136%
21	9.928	685	686	689	rVV	17486	14218	1.37%	0.107%
22	9.996	689	692	693	rVV	423966	360497	34.71%	2.710%
23	10.030	693	695	696	rVB	83233	87449	8.42%	0.657%
24	10.202	707	710	711	rVB	52013	67638	6.51%	0.508%
25	10.236	711	713	716	rVB2	7618	10617	1.02%	0.080%
26	10.431	724	730	731	rBV	20154	26816	2.58%	0.202%
27	10.545	738	740	742	rBV	82203	83686	8.06%	0.629%
28	10.591	742	744	746	rVV2	6428	11359	1.09%	0.085%
29	10.648	746	749	751	rVV2	13781	28376	2.73%	0.213%
30	10.693	751	753	755	rVB3	11571	19512	1.88%	0.147%
31	10.773	758	760	763	rBV2	28590	41470	3.99%	0.312%
32	10.899	769	771	776	rVB2	25049	44508	4.29%	0.335%
33	11.002	776	780	781	rBV	8431	14549	1.40%	0.109%
34	11.036	781	783	785	rBV2	10333	18169	1.75%	0.137%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080621.D
Acq On : 24 Jul 2015 5:52
Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

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-BF072315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.093	785	788	789	rBV2	16692	21645	2.08%	0.163%
36	11.116	789	790	793	rVV2	6866	10608	1.02%	0.080%
37	11.242	797	801	803	rBV2	11104	23540	2.27%	0.177%
38	11.299	803	806	808	rVV2	58347	92184	8.88%	0.693%
39	11.345	808	810	812	rVV2	27830	39084	3.76%	0.294%
40	11.379	812	813	816	rVB	51387	44629	4.30%	0.336%
41	11.482	820	822	823	rBV	422782	403655	38.87%	3.035%
42	11.505	823	824	826	rVV	801446	596004	57.39%	4.481%
43	11.551	826	828	830	rVB	129087	174215	16.78%	1.310%
44	11.585	830	831	835	rBV	16056	20732	2.00%	0.156%
45	11.711	839	842	846	rBV	86066	113268	10.91%	0.852%
46	11.779	846	848	850	rVV	40977	34144	3.29%	0.257%
47	11.814	850	851	854	rVB4	13133	14098	1.36%	0.106%
48	11.894	854	858	860	rBV3	4331	12956	1.25%	0.097%
49	11.985	864	866	867	rVV	64321	52676	5.07%	0.396%
50	12.008	867	868	870	rVB	85745	82840	7.98%	0.623%
51	12.054	870	872	874	rBV3	26885	40485	3.90%	0.304%
52	12.099	874	876	880	rVB2	119461	158208	15.23%	1.189%
53	12.191	880	884	885	rBV2	33107	41204	3.97%	0.310%
54	12.282	890	892	895	rVV2	54672	81983	7.89%	0.616%
55	12.431	903	905	907	rVB3	17680	17814	1.72%	0.134%
56	12.488	907	910	913	rBV3	16825	39625	3.82%	0.298%
57	12.534	913	914	916	rBV	34492	47087	4.53%	0.354%
58	12.579	916	918	920	rVV	37009	51811	4.99%	0.390%
59	12.625	920	922	925	rVB2	49904	56555	5.45%	0.425%
60	12.705	926	929	931	rBV	968738	829036	79.83%	6.232%
61	12.762	931	934	936	rVB3	17991	31169	3.00%	0.234%
62	12.796	936	937	939	rBV2	9561	16697	1.61%	0.126%
63	12.865	939	943	946	rBV3	28021	53768	5.18%	0.404%
64	12.945	946	950	951	rBV2	561687	807488	77.76%	6.070%
65	12.968	951	952	953	rVB	51891	36465	3.51%	0.274%
66	13.094	958	963	967	rBV3	305641	398311	38.36%	2.994%
67	13.174	967	970	971	rBV2	40335	73672	7.09%	0.554%
68	13.288	974	980	981	rBV	90190	155998	15.02%	1.173%
69	13.322	981	983	984	rBV2	7671	11242	1.08%	0.085%
70	13.357	984	986	987	rBV2	94989	106291	10.24%	0.799%
71	13.391	987	989	991	rBV	60055	76365	7.35%	0.574%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080621.D
Acq On : 24 Jul 2015 5:52
Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

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-BF072315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.494	996	998	999	rBV2	34770	41305	3.98%	0.311%
73	13.528	999	1001	1003	rVV3	32333	29439	2.83%	0.221%
74	13.574	1003	1005	1006	rBV2	16654	21763	2.10%	0.164%
75	13.608	1006	1008	1010	rBV	353588	356008	34.28%	2.676%
76	13.722	1015	1018	1019	rBV	54768	65875	6.34%	0.495%
77	13.825	1025	1027	1030	rBV3	33210	49961	4.81%	0.376%
78	13.962	1036	1039	1040	rBV2	58828	91459	8.81%	0.688%
79	13.997	1040	1042	1043	rBV	33014	55634	5.36%	0.418%
80	14.065	1046	1048	1049	rBV2	46242	69023	6.65%	0.519%
81	14.237	1060	1063	1065	rBV2	697476	1038471	100.00%	7.807%
82	14.271	1065	1066	1071	rVB	361376	316908	30.52%	2.382%
83	14.362	1072	1074	1076	rVB	60597	51478	4.96%	0.387%
84	14.454	1080	1082	1084	rBV	78358	97817	9.42%	0.735%
85	14.499	1084	1086	1088	rVB2	48449	68735	6.62%	0.517%
86	14.694	1101	1103	1104	rVB2	49550	51916	5.00%	0.390%
87	14.728	1104	1106	1109	rBV2	33824	52127	5.02%	0.392%
88	15.151	1139	1143	1145	rBV	152348	413945	39.86%	3.112%
89	15.437	1166	1168	1173	rVB	295736	676440	65.14%	5.085%
90	15.745	1193	1195	1198	rVB	191571	233296	22.47%	1.754%
91	15.802	1198	1200	1203	rBV	222116	354456	34.13%	2.665%
92	15.871	1204	1206	1208	rBV	326958	459250	44.22%	3.453%
93	17.380	1335	1338	1343	rVB2	111360	237392	22.86%	1.785%
94	17.826	1374	1377	1381	rVB	99123	182962	17.62%	1.375%
95	20.146	1576	1580	1588	rVB6	80245	316125	30.44%	2.377%

Sum of corrected areas: 13301897

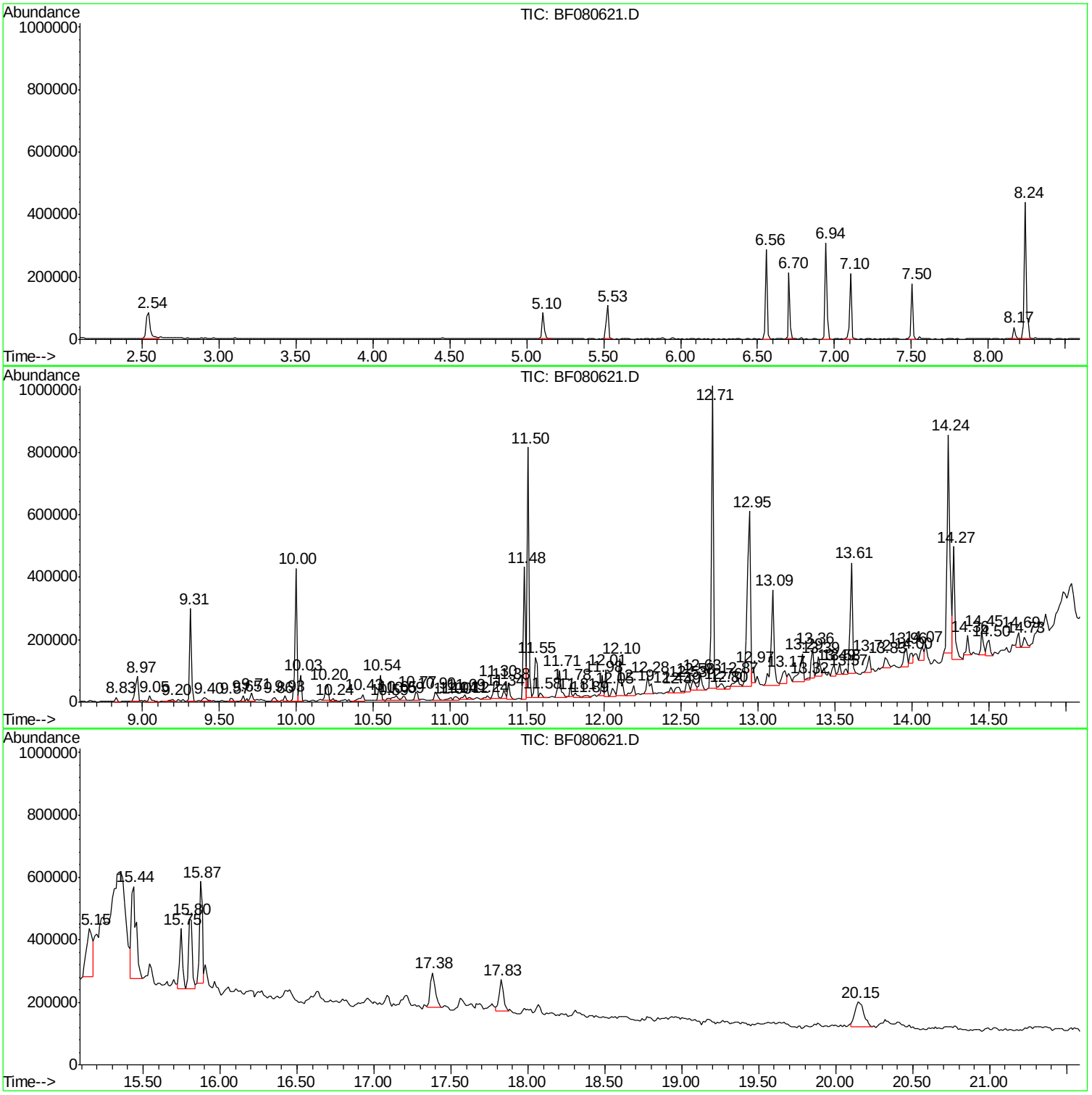
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080621.D
Acq On : 24 Jul 2015 5:52
Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080621.D
Acq On : 24 Jul 2015 5:52
Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

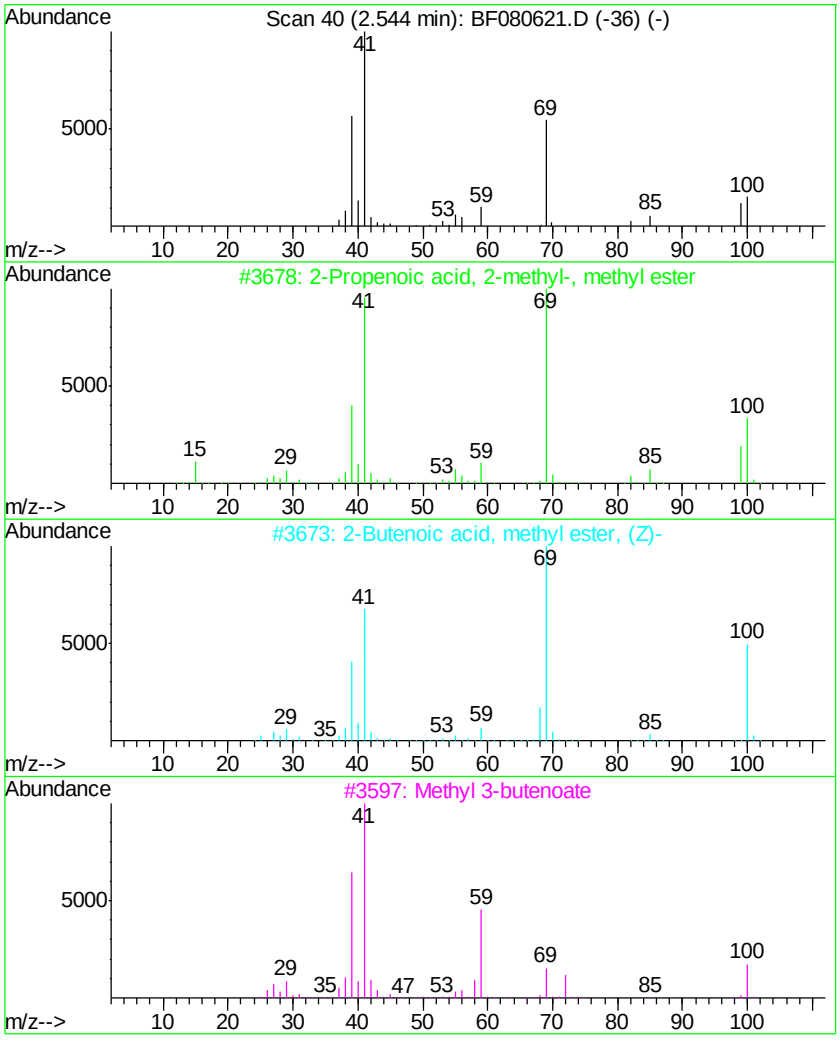
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

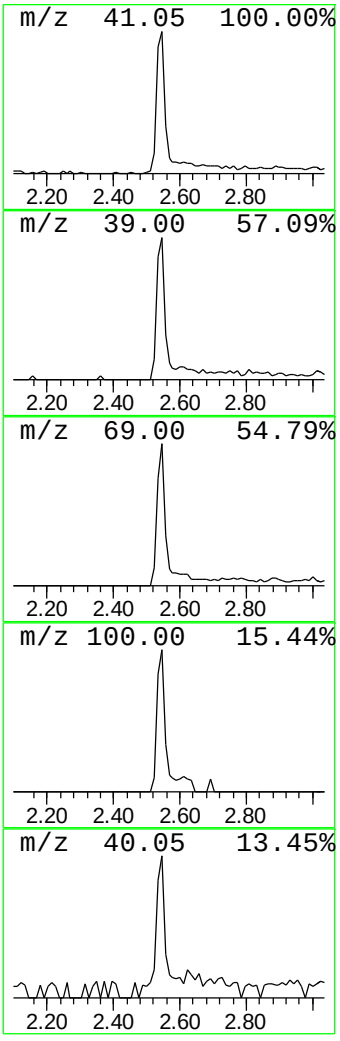
****

Peak Number 1 2-Propenoic acid, 2-methyl-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.54	11.51 ng	152931	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-methyl-, met...	100	C5H8O2	000080-62-6	90
2	2-Butenoic acid, methyl ester, (Z)-	100	C5H8O2	004358-59-2	59
3	Methyl 3-butenoate	100	C5H8O2	003724-55-8	38
4	Oxirane, ethenyl-	70	C4H6O	000930-22-3	35
5	(E)-1,3-Butadien-1-ol	70	C4H6O	070411-98-2	33





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080621.D
Acq On : 24 Jul 2015 5:52
Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

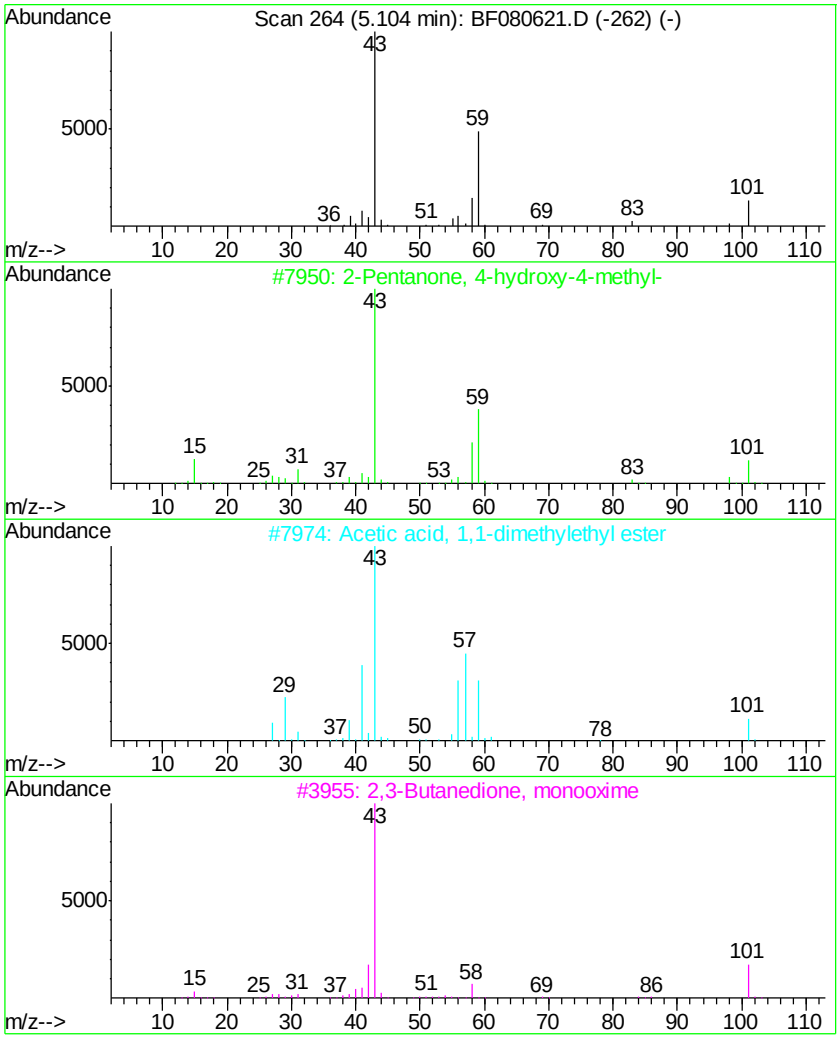
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

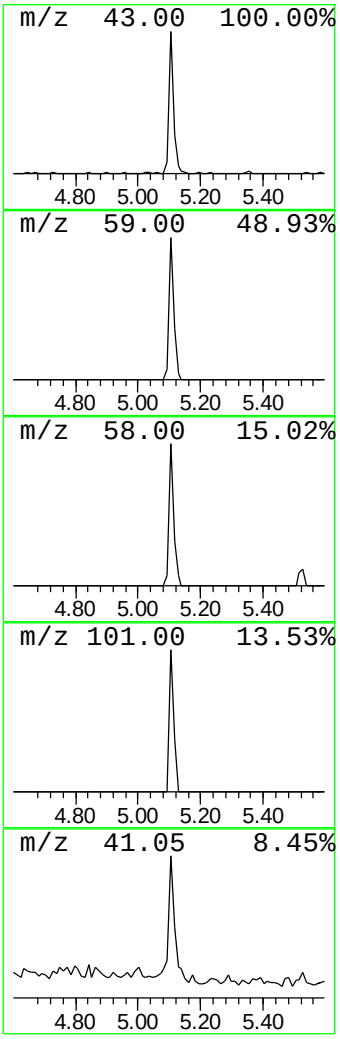
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	6.32 ng	83935	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	33
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
5	Diacetamide	101	C4H7NO2	000625-77-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080621.D
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Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

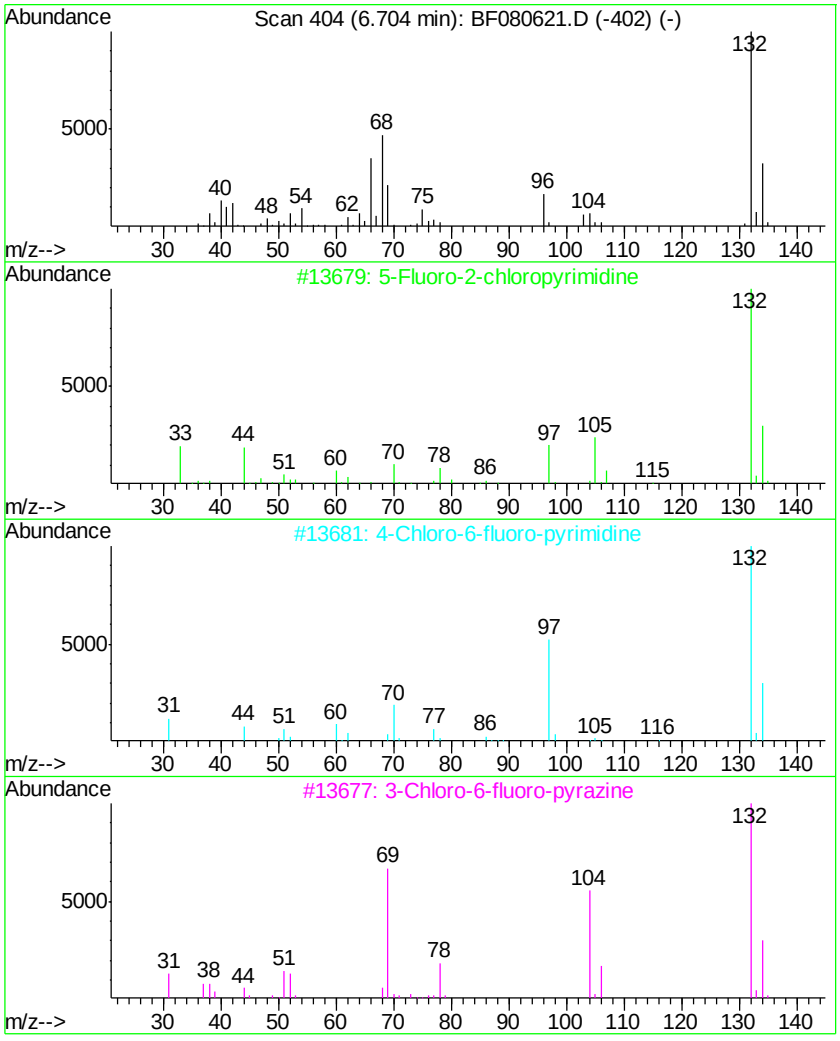
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

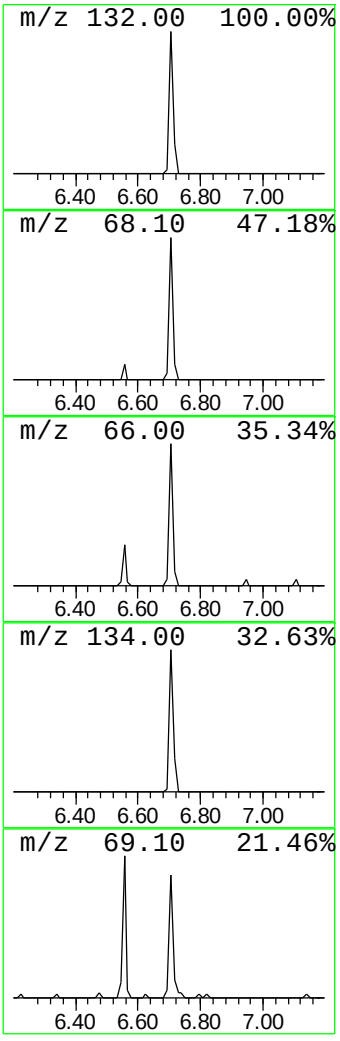
****

Peak Number 3 unknown6.70 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	13.20 ng	175483	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	22





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080621.D
Acq On : 24 Jul 2015 5:52
Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

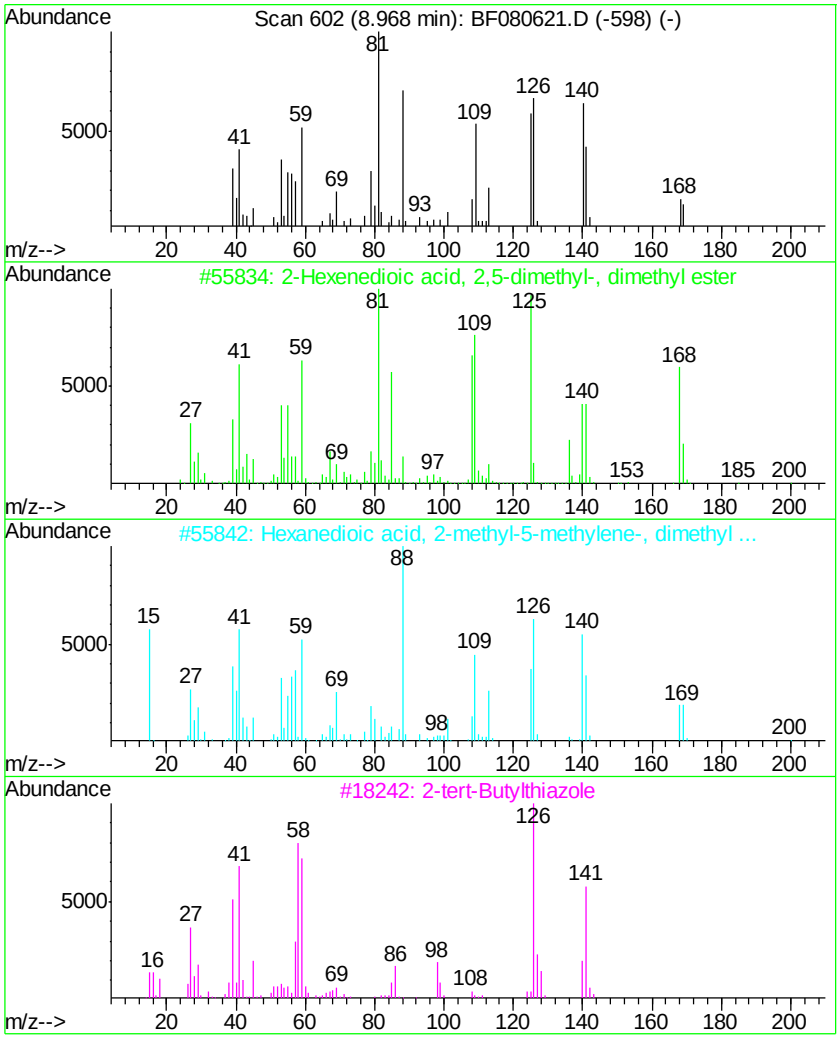
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

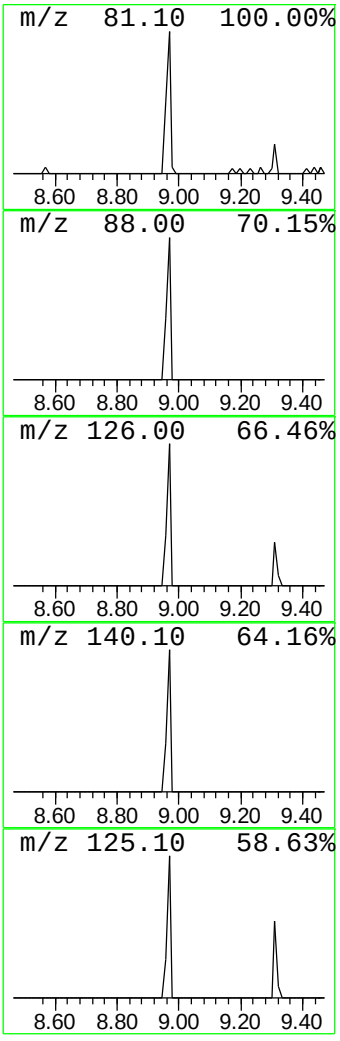
****

Peak Number 5 2-Hexenedioic acid, 2,5-dim... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	4.83 ng	101437	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexenedioic acid, 2,5-dimethyl...	200	C10H16O4	019550-59-5	53
2	Hexanedioic acid, 2-methyl-5-met...	200	C10H16O4	004513-62-6	38
3	2-tert-Butylthiazole	141	C7H11NS	013623-12-6	18
4	Imidazol-1-yl-acetic acid, methy...	140	C6H8N2O2	025023-22-7	14
5	exo-6-Chloronorbornan-2-one	144	C7H9ClO	1000144-52-6	14





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080621.D
Acq On : 24 Jul 2015 5:52
Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

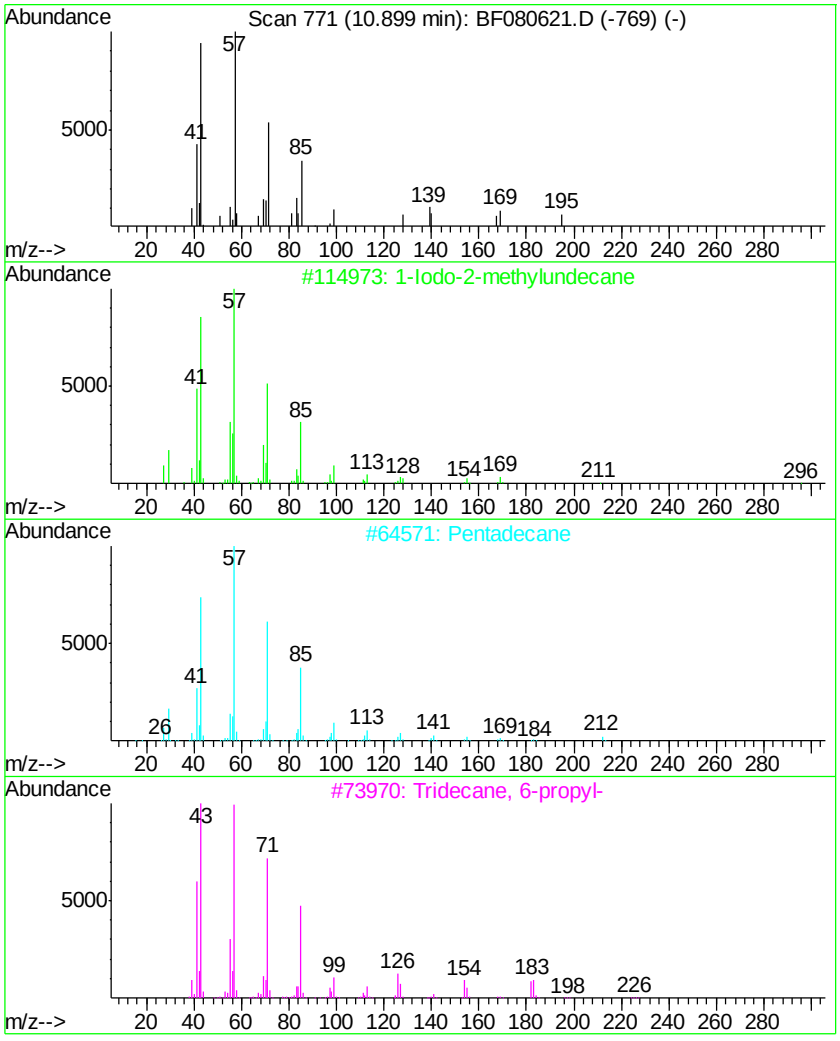
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

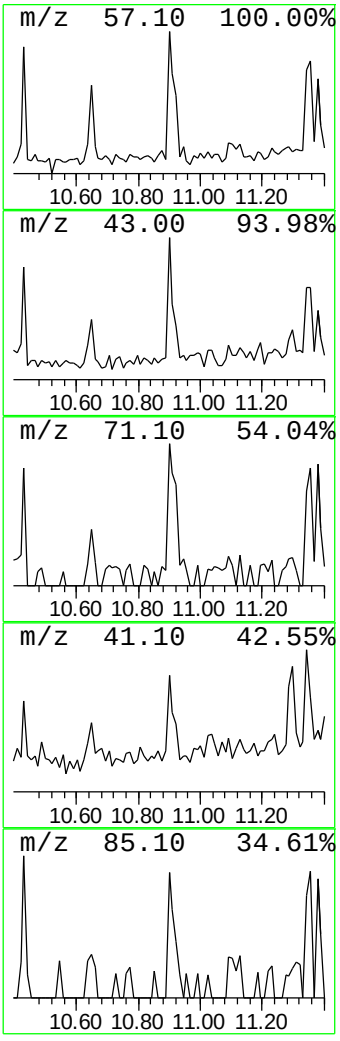
****

Peak Number 6 1-Iodo-2-methylundecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.21 ng	44508	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	59
2	Pentadecane	212	C15H32	000629-62-9	53
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	53
4	Undecane	156	C11H24	001120-21-4	53
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080621.D
Acq On : 24 Jul 2015 5:52
Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.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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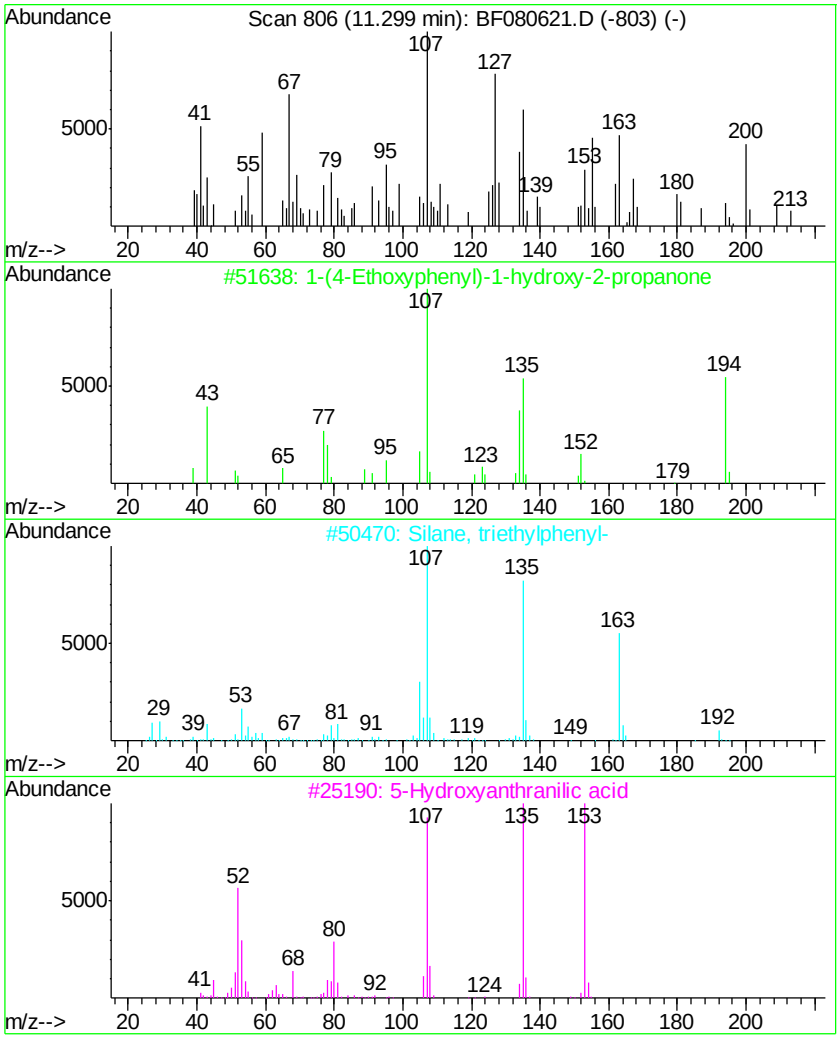
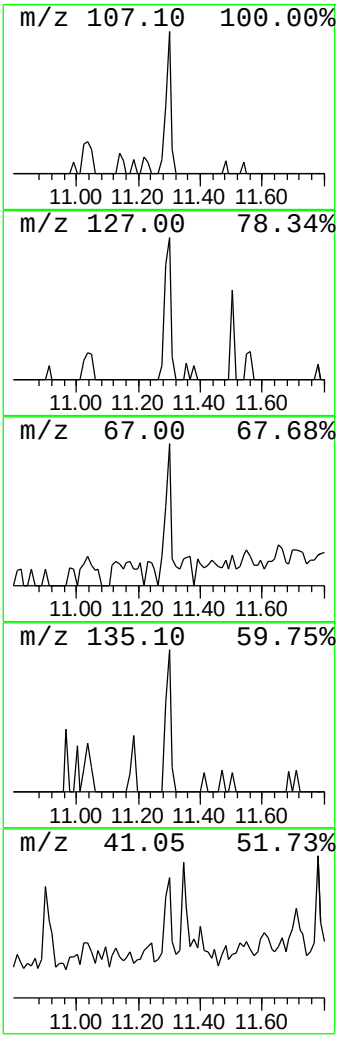
Peak Number 7 unknown11.30 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	4.57 ng	92184	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Ethoxyphenyl)-1-hydroxy-2-p...	194	C11H14O3	1000123-93-4	27
2	Silane, triethylphenyl-	192	C12H20Si	002987-77-1	22
3	5-Hydroxyanthranilic acid	153	C7H7NO3	000394-31-0	14
4	Benzoic acid, 2-amino-3-hydroxy-	153	C7H7NO3	000548-93-6	11
5	Phenol, 2-[(4-hydroxyphenyl)meth...	200	C13H12O2	002467-03-0	11





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Acq On : 24 Jul 2015 5:52
Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

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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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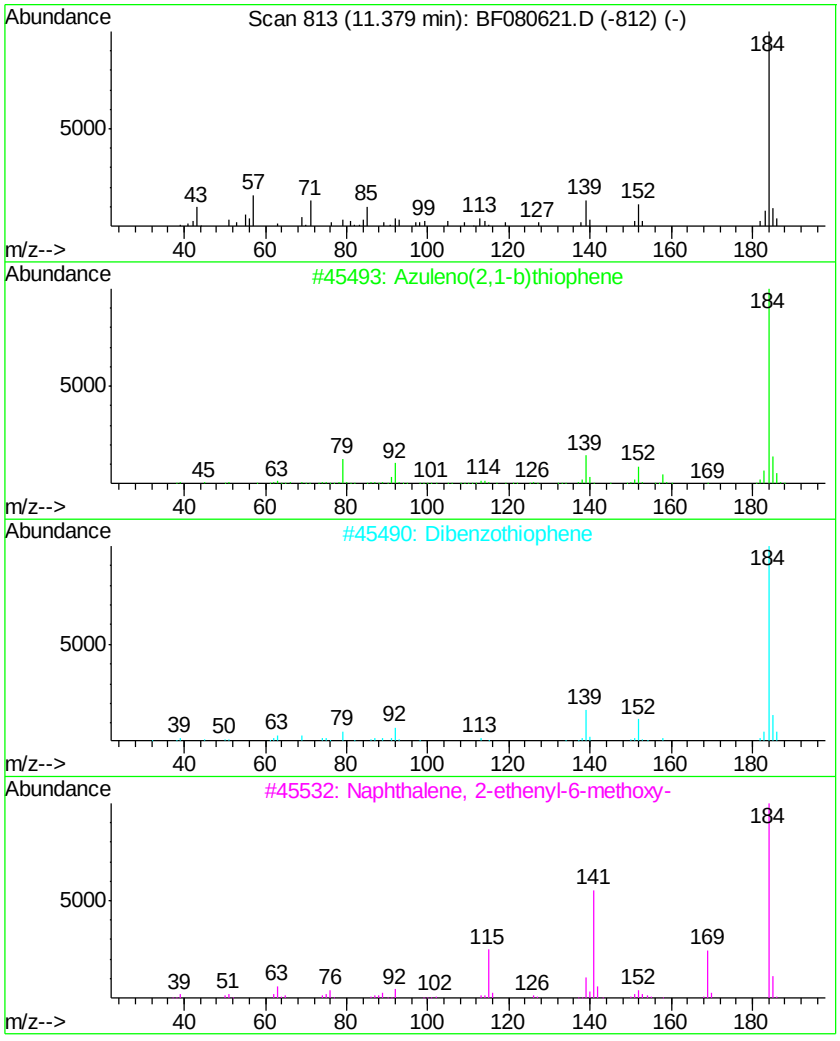
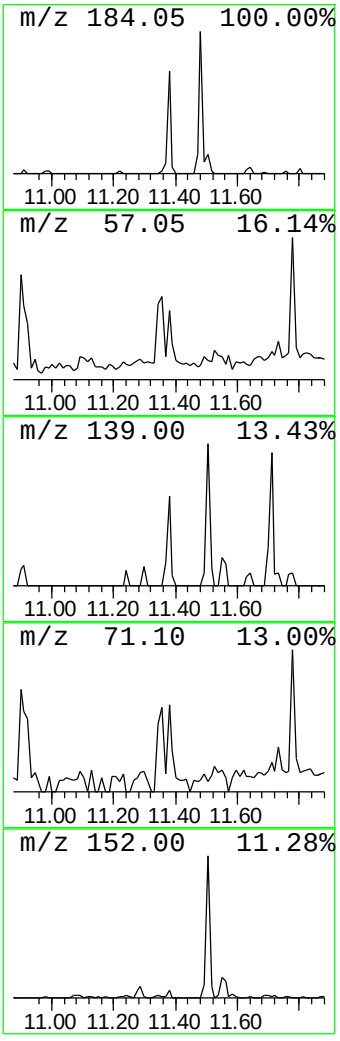
Peak Number 8 Azuleno(2,1-b)thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	2.21 ng	44629	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
2	Dibenzothiophene	184	C12H8S	000132-65-0	87
3	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	64
4	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	64
5	Benzidine	184	C12H12N2	000092-87-5	58





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Misc :
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ClientSampleId : FK-SF-03-003-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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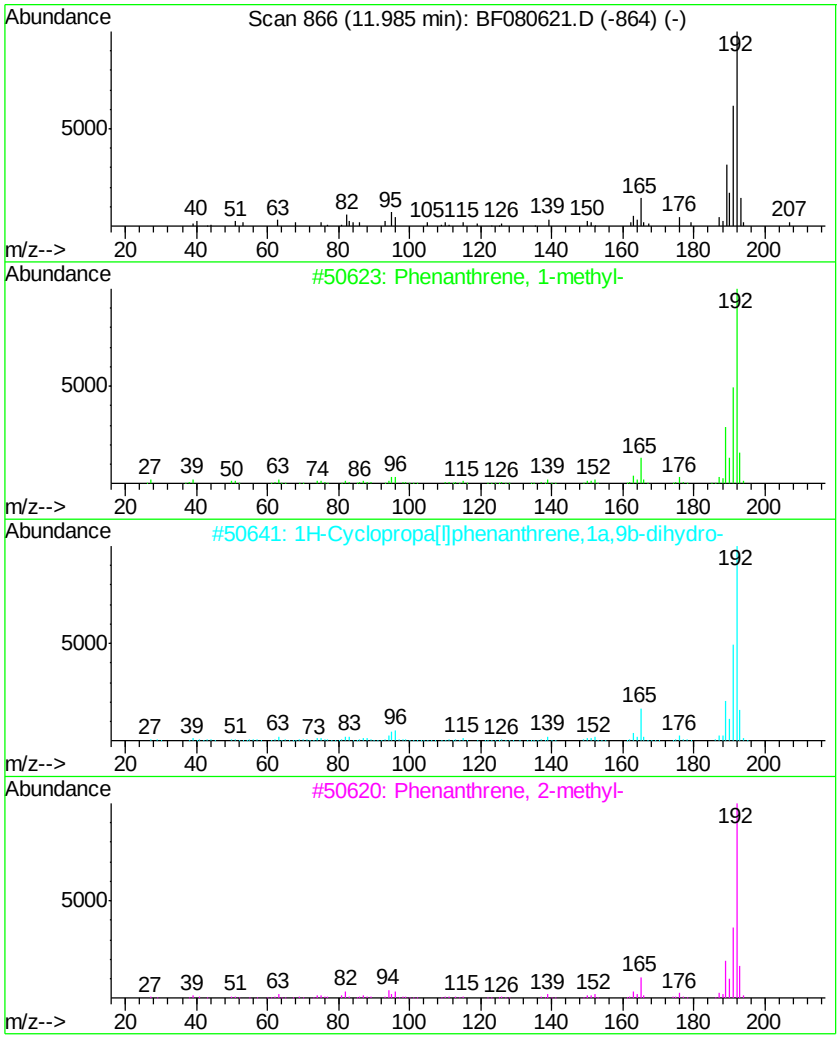
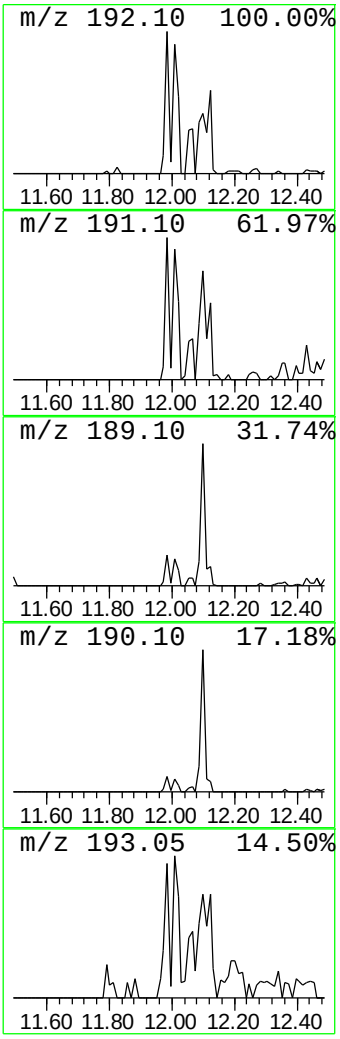
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.61 ng	52676	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	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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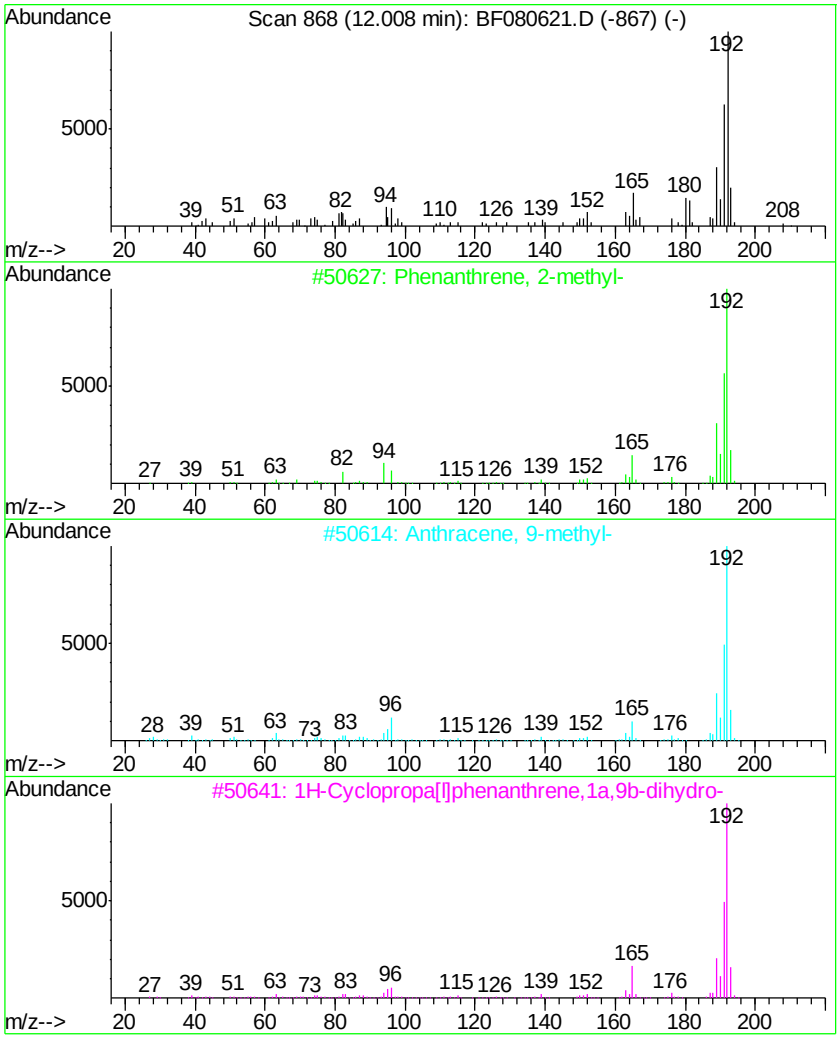
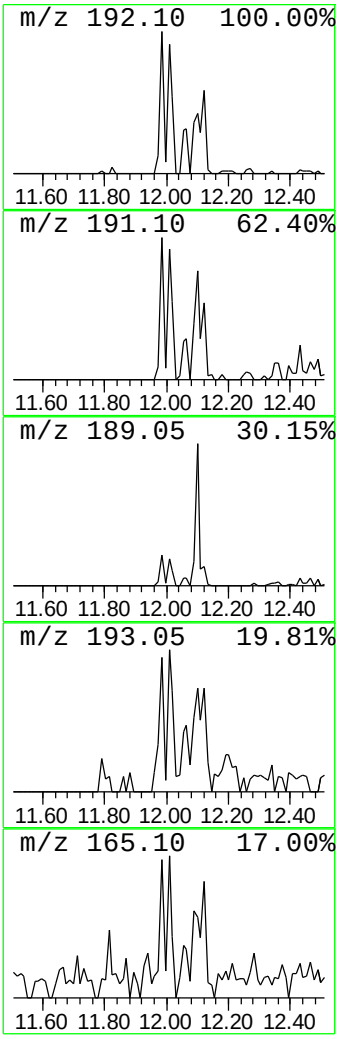
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	4.10 ng	82840	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Sample : G3057-03 5X
Misc :
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Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

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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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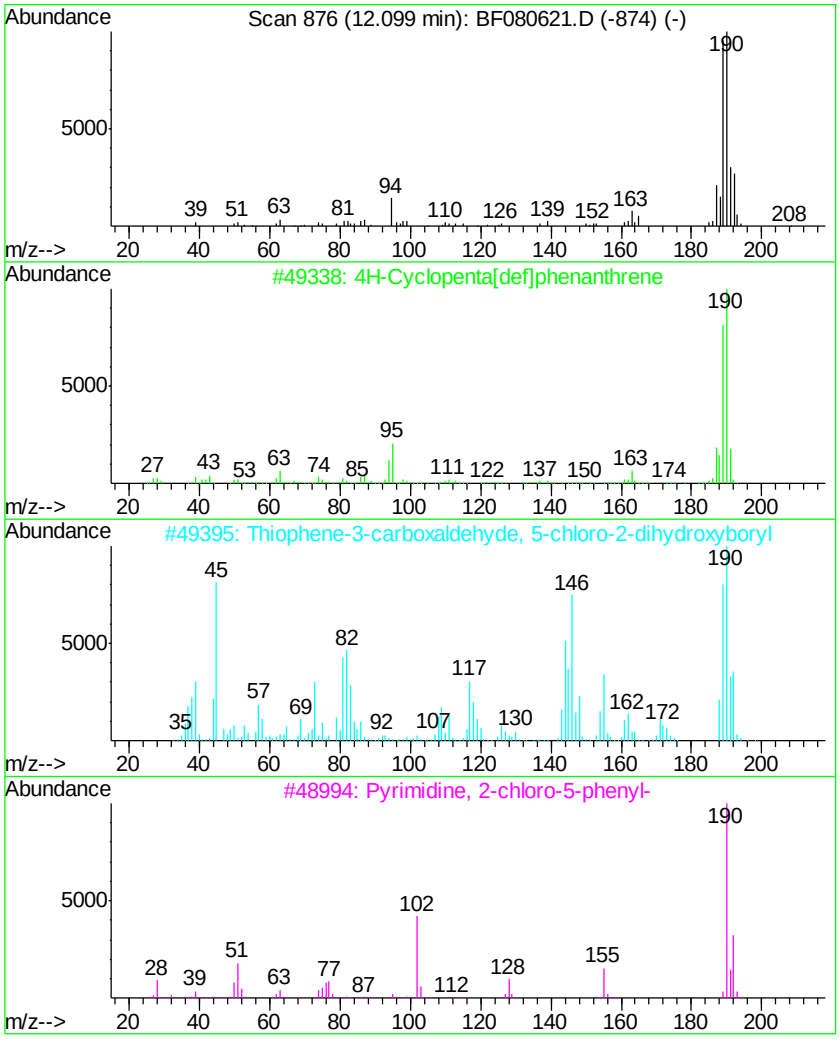
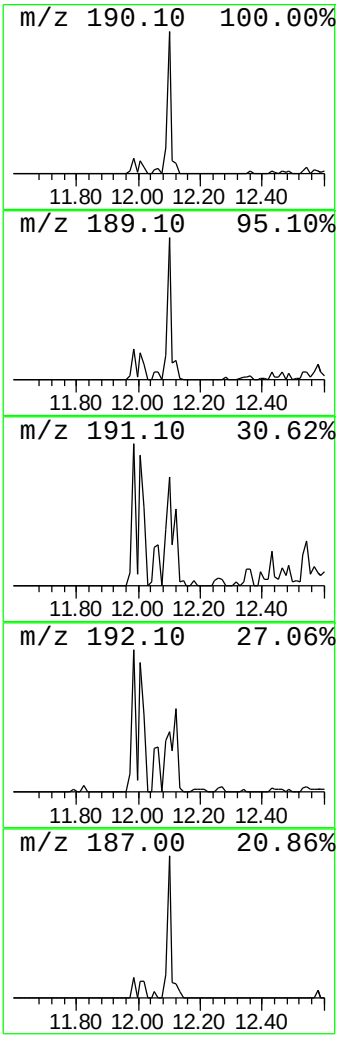
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	7.84 ng	158208	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	Pyrimidine, 2-chloro-5-phenyl-	190	C10H7ClN2	022536-62-5	17
4	Methyl diselenide	190	C2H6Se2	007101-31-7	10
5	2-Hydroxy-2-(1-nitro-ethyl)-inda...	235	C11H9NO5	1000296-92-9	10





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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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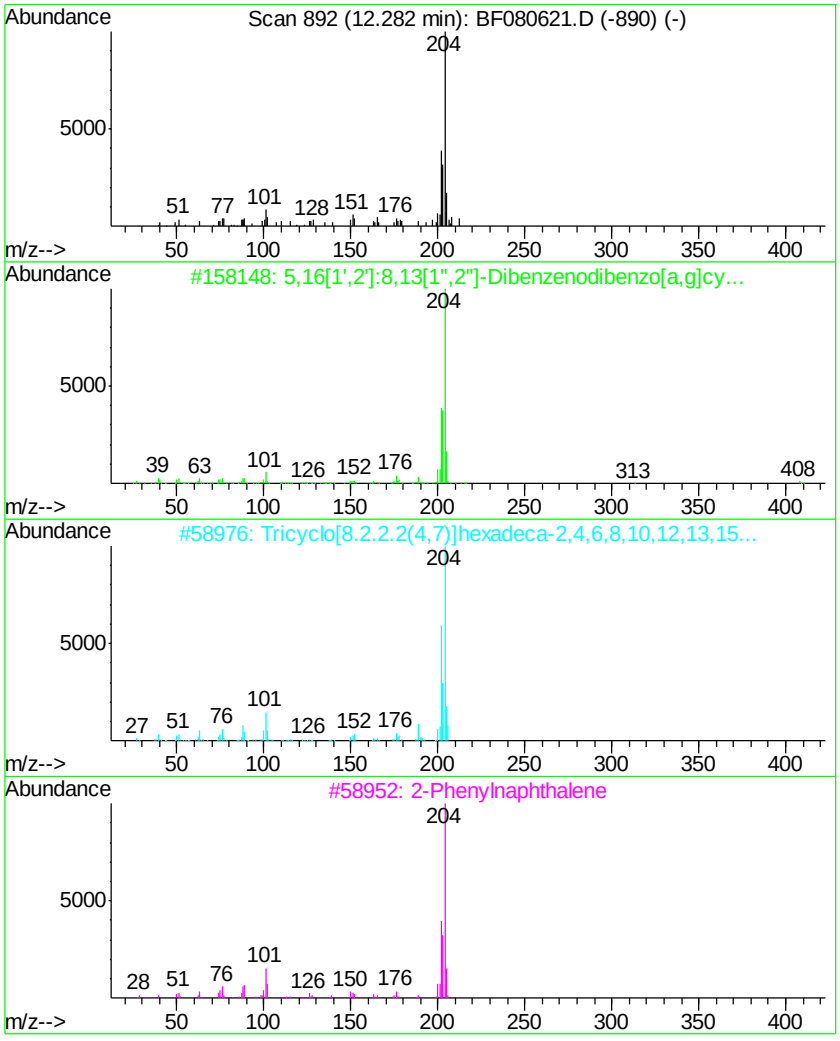
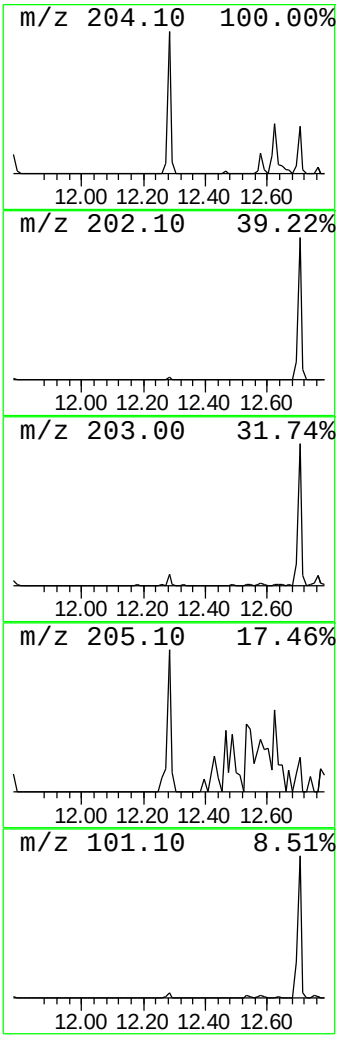
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	4.06 ng	81983	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Library Search Compound Report

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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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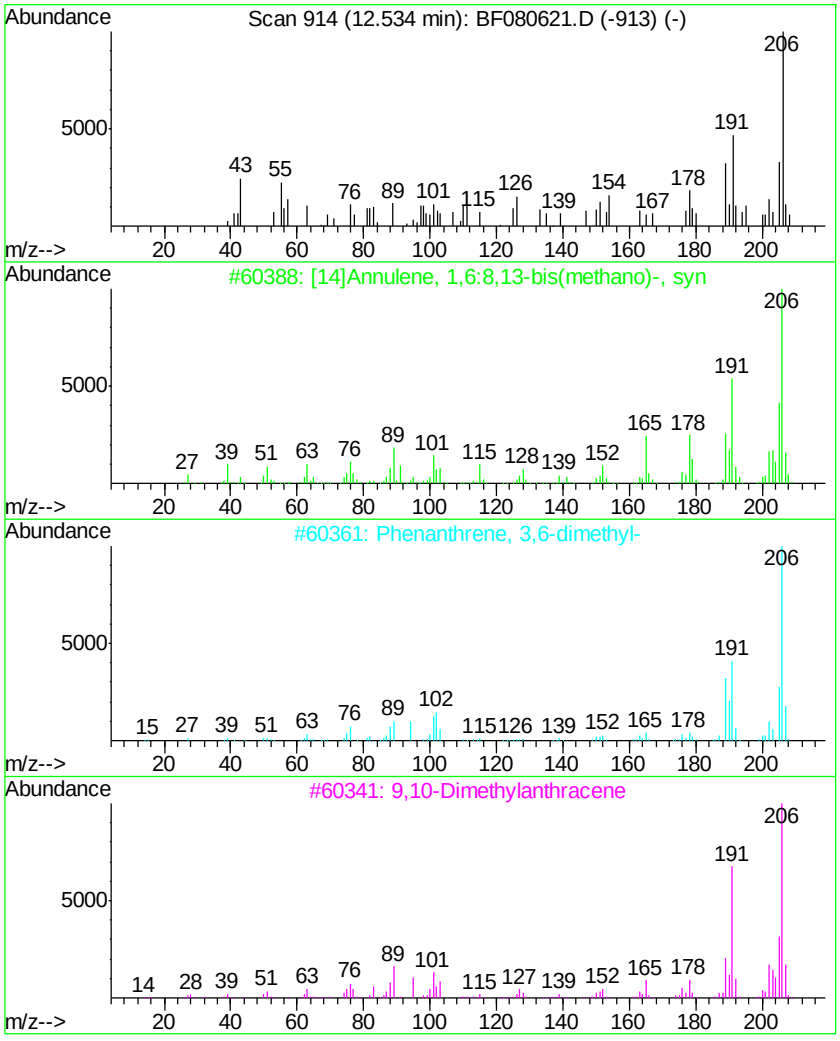
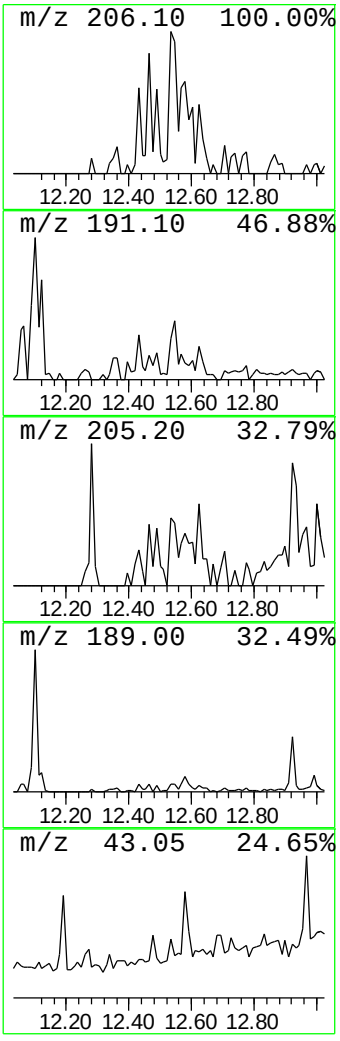
Peak Number 13 [14]Annulene, 1,6:8,13-bis(... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	2.33 ng	47087	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	76
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	74





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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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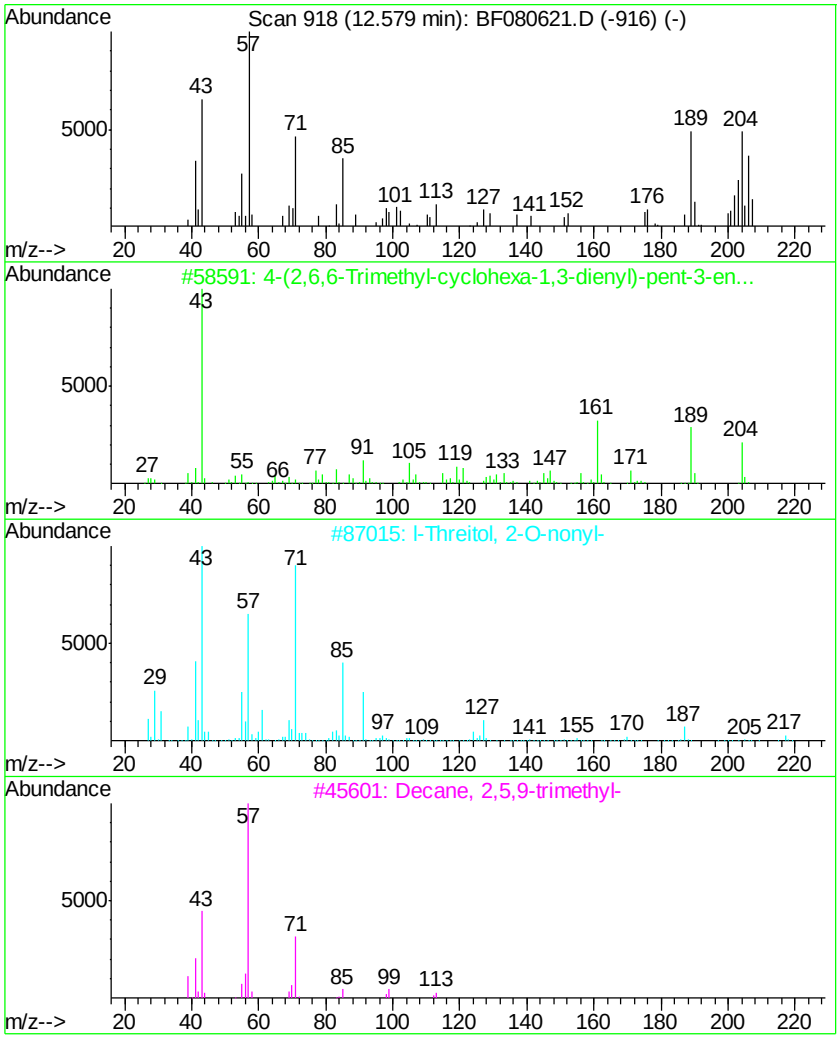
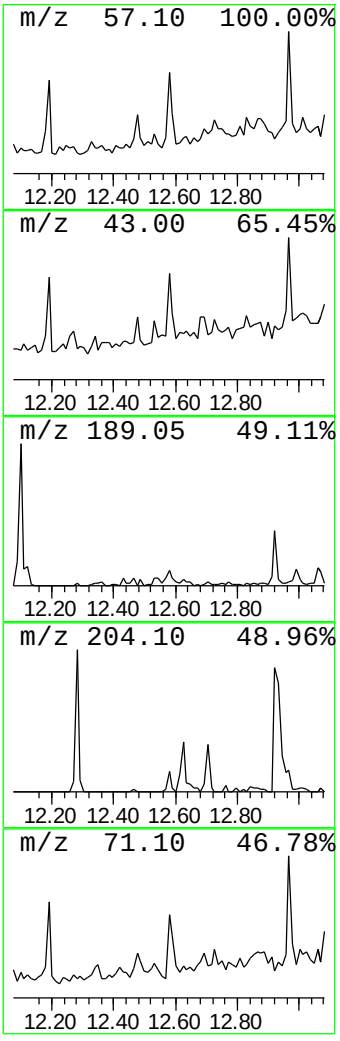
Peak Number 14 unknown12.58 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	2.57 ng	51811	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(2,6,6-Trimethyl-cyclohexa-1,3...	204	C14H20O	1000192-39-9	35
2	l-Threitol, 2-O-nonyl-	248	C13H28O4	163776-15-6	10
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	10
4	Tridecane	184	C13H28	000629-50-5	10
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	10





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Misc :
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Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

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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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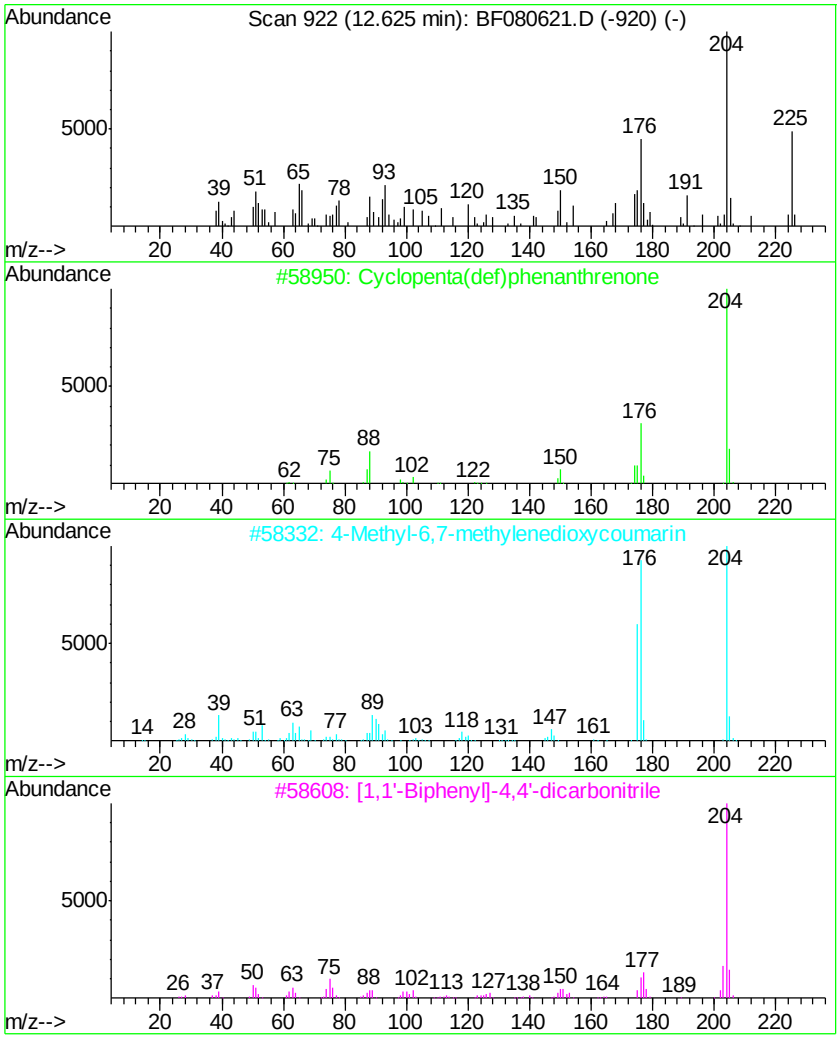
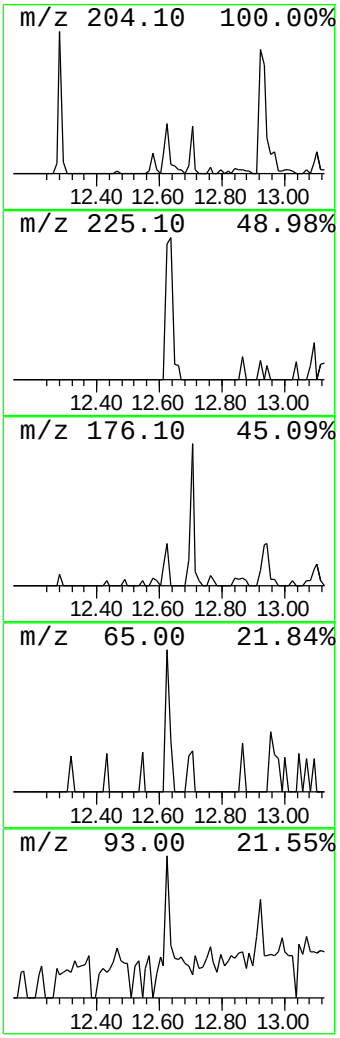
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.80 ng	56555	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	46
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	41
5	4-Methoxy-6-(3-fluorophenyl)pyri...	204	C11H9FN2O	076128-74-0	38





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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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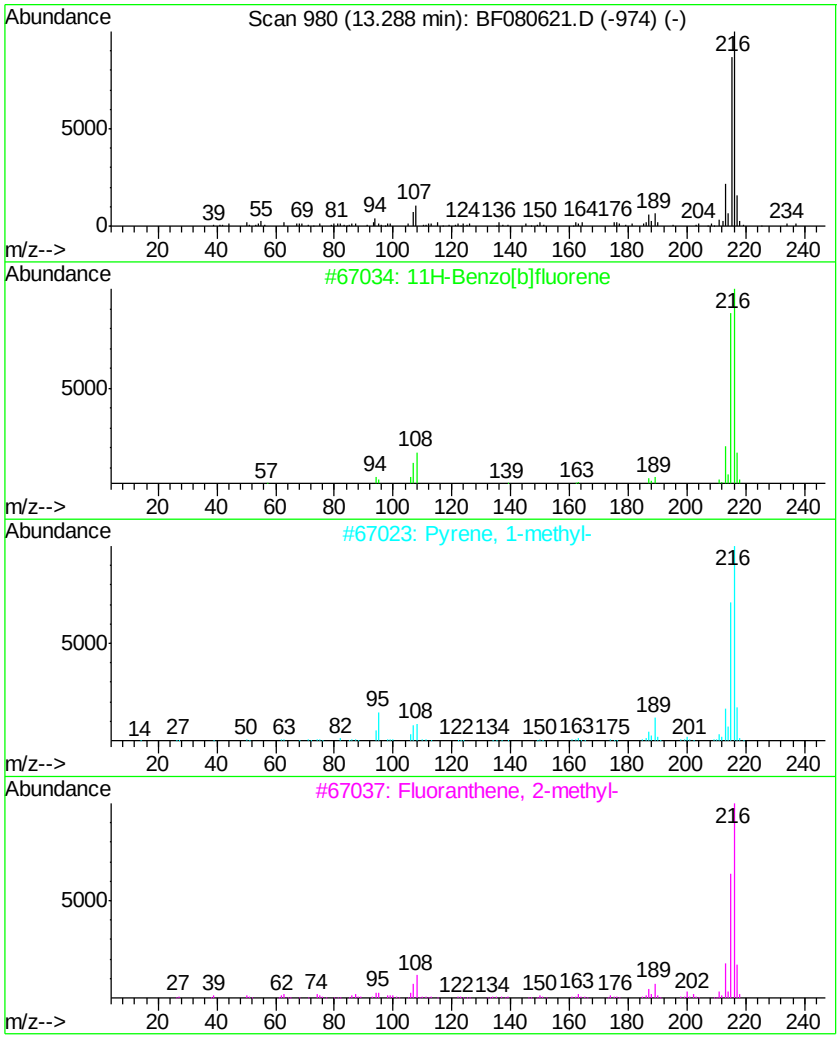
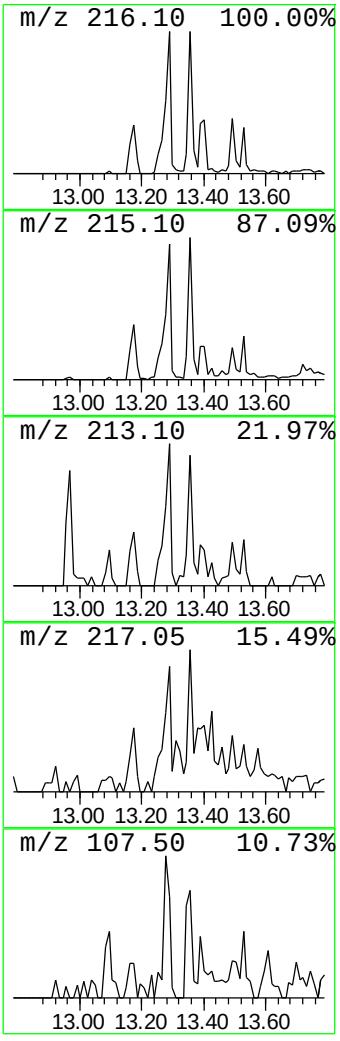
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	3.00 ng	155998	Chrysene-d12	14.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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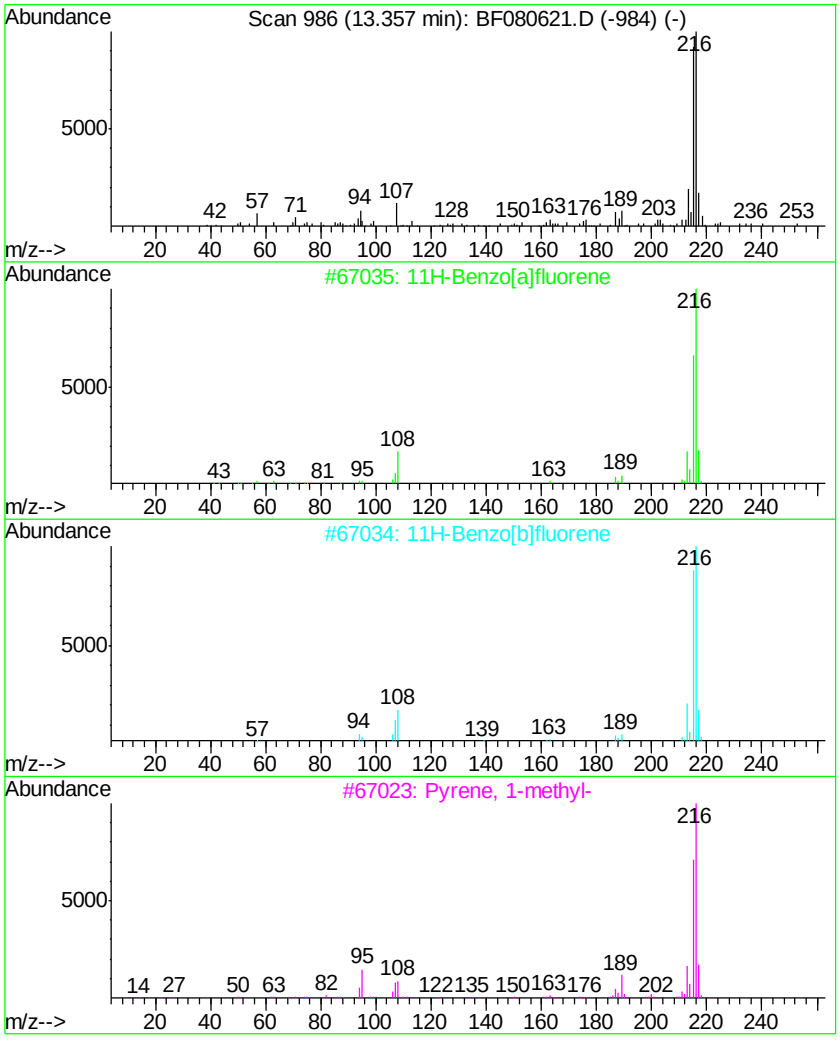
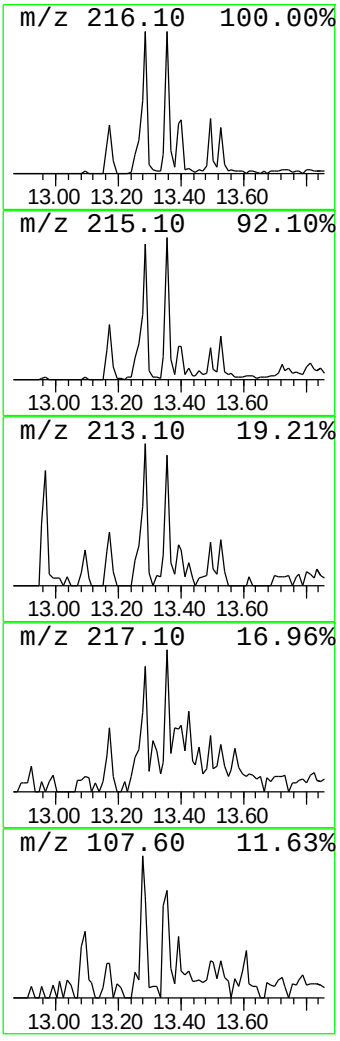
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	2.05 ng	106291	Chrysene-d12	14.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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TIC Library : C:\DATABASE\NIST02.L
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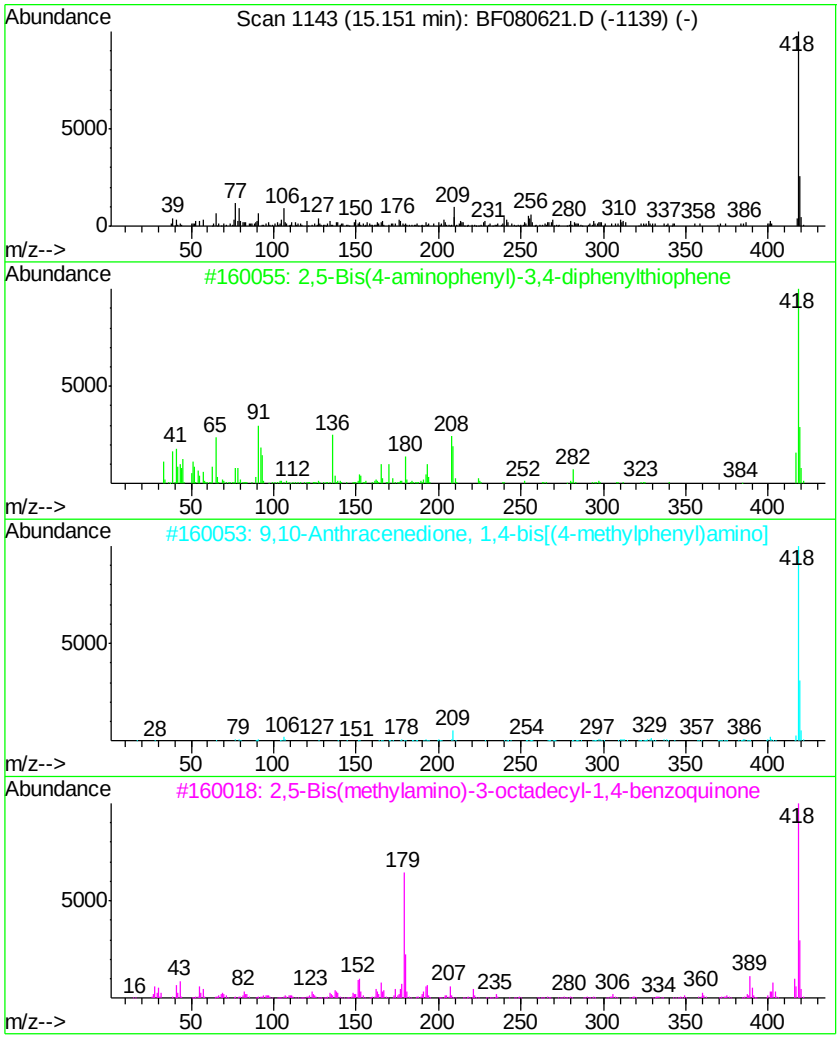
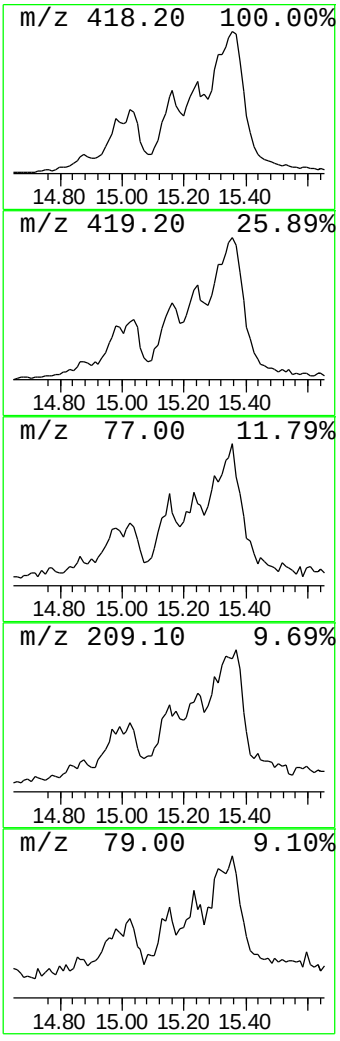
Peak Number 18 unknown15.15 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	18.03 ng	413945	Perylene-d12	15.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Bis(4-aminophenyl)-3,4-diphe...	418	C28H22N2S	092996-46-8	36
2	9,10-Anthracenedione, 1,4-bis[(4...	418	C28H22N2O2	000128-80-3	36
3	2,5-Bis(methylamino)-3-octadecyl...	418	C26H46N2O2	035175-60-1	23
4	(4-Benzenesulfonylphenyl)-(4-ben...	419	C25H25NO3S	311800-08-5	7
5	Alstophyllan-19-one, 4-demethyl-...	418	C22H21F3N2O3	067510-47-8	3





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080621.D
Acq On : 24 Jul 2015 5:52
Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

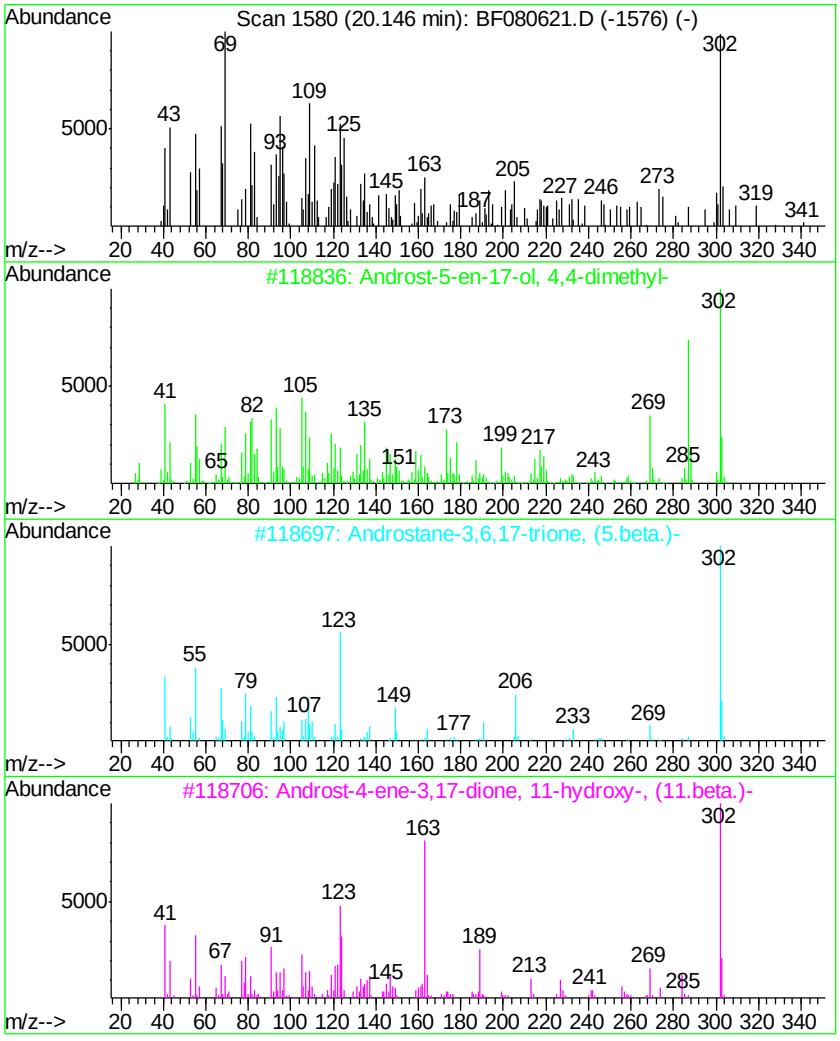
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

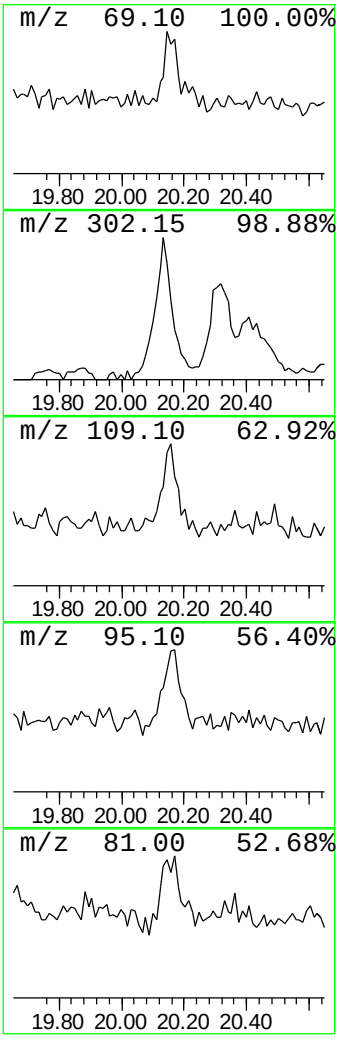
****

Peak Number 20 Androst-5-en-17-ol, 4,4-dim... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	13.77 ng	316125	Perylene-d12	15.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Androst-5-en-17-ol, 4,4-dimethyl-	302	C21H34O	1000195-76-3	60
2	Androstane-3,6,17-trione, (5.bet...	302	C19H26O3	026991-58-2	38
3	Androst-4-ene-3,17-dione, 11-hyd...	302	C19H26O3	000382-44-5	30
4	Androst-4-ene-3,17-dione, 15-hyd...	302	C19H26O3	000566-08-5	25
5	4-Hydroxyphenol bis(trifluoroace...	302	C10H4F6O4	034065-73-1	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080621.D
Acq On : 24 Jul 2015 5:52
Operator : TP/UM
Sample : G3057-03 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-003-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.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-Propenoic acid,...	2.54	11.5	ng	152931	1	6.94	265810	20.0
2-Pentanone, 4-hy...	5.10	6.3	ng	83935	1	6.94	265810	20.0
unknown6.70	6.70	13.2	ng	175483	1	6.94	265810	20.0
2-Hexenedioic aci...	8.97	4.8	ng	101437	2	8.24	420119	20.0
1-Iodo-2-methylun...	10.90	2.2	ng	44508	4	11.48	403655	20.0
unknown11.30	11.30	4.6	ng	92184	4	11.48	403655	20.0
Azuleno(2,1-b)thi...	11.38	2.2	ng	44629	4	11.48	403655	20.0
Phenanthrene, 1-m...	11.99	2.6	ng	52676	4	11.48	403655	20.0
Phenanthrene, 2-m...	12.01	4.1	ng	82840	4	11.48	403655	20.0
4H-Cyclopenta[def...	12.10	7.8	ng	158208	4	11.48	403655	20.0
5,16[1',2']:8,13[...	12.28	4.1	ng	81983	4	11.48	403655	20.0
[14]Annulene, 1,6...	12.53	2.3	ng	47087	4	11.48	403655	20.0
unknown12.58	12.58	2.6	ng	51811	4	11.48	403655	20.0
Cyclopenta(def)ph...	12.63	2.8	ng	56555	4	11.48	403655	20.0
11H-Benzo[b]fluorene	13.29	3.0	ng	155998	5	14.24	1038470	20.0
11H-Benzo[a]fluorene	13.36	2.0	ng	106291	5	14.24	1038470	20.0
unknown15.15	15.15	18.0	ng	413945	6	15.87	459250	20.0
Androst-5-en-17-o...	20.15	13.8	ng	316125	6	15.87	459250	20.0