LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
Data File : BF088937.D
Acq On : 12 Jul 2016 23:56
Operator : UM/SJ
Sample : H3935-24
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C3-02

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-BF063016.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	1.667	6	7	12	rVV	35658	59502	3.01%	0.208%
2	1.793	16	18	25	rVV	323353	430895	21.81%	1.505%
3	1.895	25	27	32	rVB2	34827	51482	2.61%	0.180%
4	2.513	77	81	84	rBV	82732	140483	7.11%	0.491%
5	4.856	283	286	295	rBV	153948	238477	12.07%	0.833%
6	5.301	323	325	328	rBV	1159865	1645395	83.27%	5.746%
7	6.159	398	400	403	rVB	55004	62225	3.15%	0.217%
8	6.364	414	418	420	rBV	1434210	1875113	94.89%	6.548%
9	6.479	425	428	430	rVB	1913258	1846354	93.44%	6.448%
10	6.707	445	448	449	rBV	377531	391256	19.80%	1.366%
11	6.867	459	462	464	rVB	1066309	1413513	71.53%	4.936%
12	7.267	494	497	500	rVB	798612	1157428	58.57%	4.042%
13	7.736	536	538	541	rVB	36549	47708	2.41%	0.167%
14	7.987	558	560	563	rBV	571800	544836	27.57%	1.903%
15	8.433	597	599	600	rBV	19497	25798	1.31%	0.090%
16	8.696	620	622	624	rVB2	34468	48143	2.44%	0.168%
17	8.799	629	631	633	rVV	64841	50298	2.55%	0.176%
18	9.073	652	655	657	rBV	2051686	1975993	100.00%	6.901%
19	9.165	661	663	665	rVV	33154	36029	1.82%	0.126%
20	9.405	680	684	685	rBV	47754	57689	2.92%	0.201%
21	9.462	687	689	692	rVV	286148	271814	13.76%	0.949%
22	9.519	692	694	696	rVV	28884	42894	2.17%	0.150%
23	9.599	699	701	703	rVV	40813	35363	1.79%	0.123%
24	9.690	707	709	711	rVV	39612	34592	1.75%	0.121%
25	9.736	711	713	715	rVV	504504	497813	25.19%	1.738%
26	9.770	715	716	718	rVB	237174	176413	8.93%	0.616%
27	9.942	729	731	733	rVB	97196	80546	4.08%	0.281%
28	10.148	747	749	751	rVV2	33812	40642	2.06%	0.142%
29	10.182	751	752	754	rVB	43110	37268	1.89%	0.130%
30	10.285	759	761	762	rVV	123188	115507	5.85%	0.403%
31	10.365	762	768	769	rVV3	15283	36099	1.83%	0.126%
32	10.399	769	771	773	rVV	31388	50717	2.57%	0.177%
33	10.445	773	775	777	rVB	32299	34479	1.74%	0.120%
34	10.525	780	782	784	rVV	990493	908429	45.97%	3.172%

LSC Area Percent Report

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Acq On : 12 Jul 2016 23:56
Operator : UM/SJ
Sample : H3935-24
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C3-02

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-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.571	784	786	788	rVB2	20369	25945	1.31%	0.091%
36	10.673	788	795	797	rBV2	58321	126997	6.43%	0.444%
37	10.971	817	821	824	rBV4	77693	163899	8.29%	0.572%
38	11.016	824	825	828	rVB2	39996	50872	2.57%	0.178%
39	11.073	828	830	831	rBV	35191	42851	2.17%	0.150%
40	11.108	831	833	834	rBV	84384	96234	4.87%	0.336%
41	11.245	840	845	846	rBV2	633867	1083172	54.82%	3.783%
42	11.291	846	849	850	rVV	241057	201914	10.22%	0.705%
43	11.325	850	852	855	rVB	32399	41708	2.11%	0.146%
44	11.451	860	863	865	rBV2	99801	136396	6.90%	0.476%
45	11.531	867	870	871	rBV	31127	47038	2.38%	0.164%
46	11.634	877	879	881	rVB	23601	26218	1.33%	0.092%
47	11.714	883	886	887	rBV	88960	92728	4.69%	0.324%
48	11.748	887	889	891	rVV2	90303	155574	7.87%	0.543%
49	11.794	891	893	894	rVV	41341	53485	2.71%	0.187%
50	11.828	894	896	899	rVV2	191288	302574	15.31%	1.057%
51	11.931	903	905	908	rVB3	28871	45698	2.31%	0.160%
52	12.011	910	912	913	rVV	77842	98407	4.98%	0.344%
53	12.262	932	934	936	rBV2	66793	85979	4.35%	0.300%
54	12.342	938	941	944	rVB3	117774	213748	10.82%	0.746%
55	12.422	946	948	950	rVB	1056859	965105	48.84%	3.370%
56	12.479	950	953	955	rBV2	46898	65355	3.31%	0.228%
57	12.525	955	957	958	rBV2	95948	104549	5.29%	0.365%
58	12.559	958	960	963	rVB2	41374	66588	3.37%	0.233%
59	12.651	965	968	970	rBV	911317	1056240	53.45%	3.689%
60	12.696	970	972	975	rVB3	60105	74555	3.77%	0.260%
61	12.799	977	981	984	rVB	1252828	1309305	66.26%	4.572%
62	12.868	984	987	988	rBV2	63480	101283	5.13%	0.354%
63	12.902	988	990	991	rVB2	36449	47249	2.39%	0.165%
64	12.982	991	997	998	rBV2	140201	273374	13.83%	0.955%
65	13.017	998	1000	1001	rBV	87975	87248	4.42%	0.305%
66	13.039	1001	1002	1004	rVB	97277	90127	4.56%	0.315%
67	13.074	1004	1005	1009	rBV2	82052	137831	6.98%	0.481%
68	13.165	1012	1013	1015	rVB	63575	84905	4.30%	0.297%
69	13.199	1015	1016	1021	rVB3	84760	118583	6.00%	0.414%
70	13.279	1021	1023	1027	rBV5	26625	39822	2.02%	0.139%
71	13.382	1027	1032	1035	rBV3	109304	218322	11.05%	0.762%

LSC Area Percent Report

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Operator : UM/SJ
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C3-02

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.474	1038	1040	1043	rVB	78963	130242	6.59%	0.455%
73	13.588	1047	1050	1052	rBV	137438	200554	10.15%	0.700%
74	13.622	1052	1053	1054	rVV	59933	59610	3.02%	0.208%
75	13.657	1054	1056	1057	rVV2	46626	69120	3.50%	0.241%
76	13.702	1057	1060	1062	rVB2	100088	198246	10.03%	0.692%
77	13.839	1068	1072	1073	rBV2	788602	1147113	58.05%	4.006%
78	13.862	1073	1074	1078	rVB	392542	529103	26.78%	1.848%
79	13.942	1079	1081	1085	rBV2	100821	146726	7.43%	0.512%
80	14.034	1087	1089	1090	rVV2	44430	61579	3.12%	0.215%
81	14.068	1090	1092	1093	rVB2	56091	57422	2.91%	0.201%
82	14.159	1098	1100	1102	rBV3	28452	58322	2.95%	0.204%
83	14.228	1104	1106	1107	rVV	103809	96101	4.86%	0.336%
84	14.262	1107	1109	1111	rVB2	66992	64073	3.24%	0.224%
85	14.342	1112	1116	1120	rVB6	60073	193659	9.80%	0.676%
86	14.525	1130	1132	1133	rBV	73673	81301	4.11%	0.284%
87	14.605	1137	1139	1140	rVV	32442	50223	2.54%	0.175%
88	14.697	1144	1147	1151	rVV3	50535	129582	6.56%	0.453%
89	14.754	1151	1152	1154	rVV	35278	41661	2.11%	0.145%
90	14.845	1157	1160	1164	rBV	456462	920543	46.59%	3.215%
91	14.937	1164	1168	1170	rVV2	85166	126984	6.43%	0.443%
92	15.108	1180	1183	1185	rVB	260397	308248	15.60%	1.076%
93	15.165	1185	1188	1190	rVV	303216	382116	19.34%	1.334%
94	15.222	1190	1193	1198	rVB2	217898	484168	24.50%	1.691%
95	15.645	1228	1230	1232	rBV2	25801	43579	2.21%	0.152%
96	16.503	1302	1305	1309	rVB2	136709	244030	12.35%	0.852%
97	16.663	1316	1319	1321	rBV	51966	103117	5.22%	0.360%
98	16.708	1321	1323	1325	rVV	22230	36906	1.87%	0.129%
99	16.891	1336	1339	1347	rVB	102052	225151	11.39%	0.786%
100	17.097	1354	1357	1362	rVB2	23489	52396	2.65%	0.183%

Sum of corrected areas: 28634946

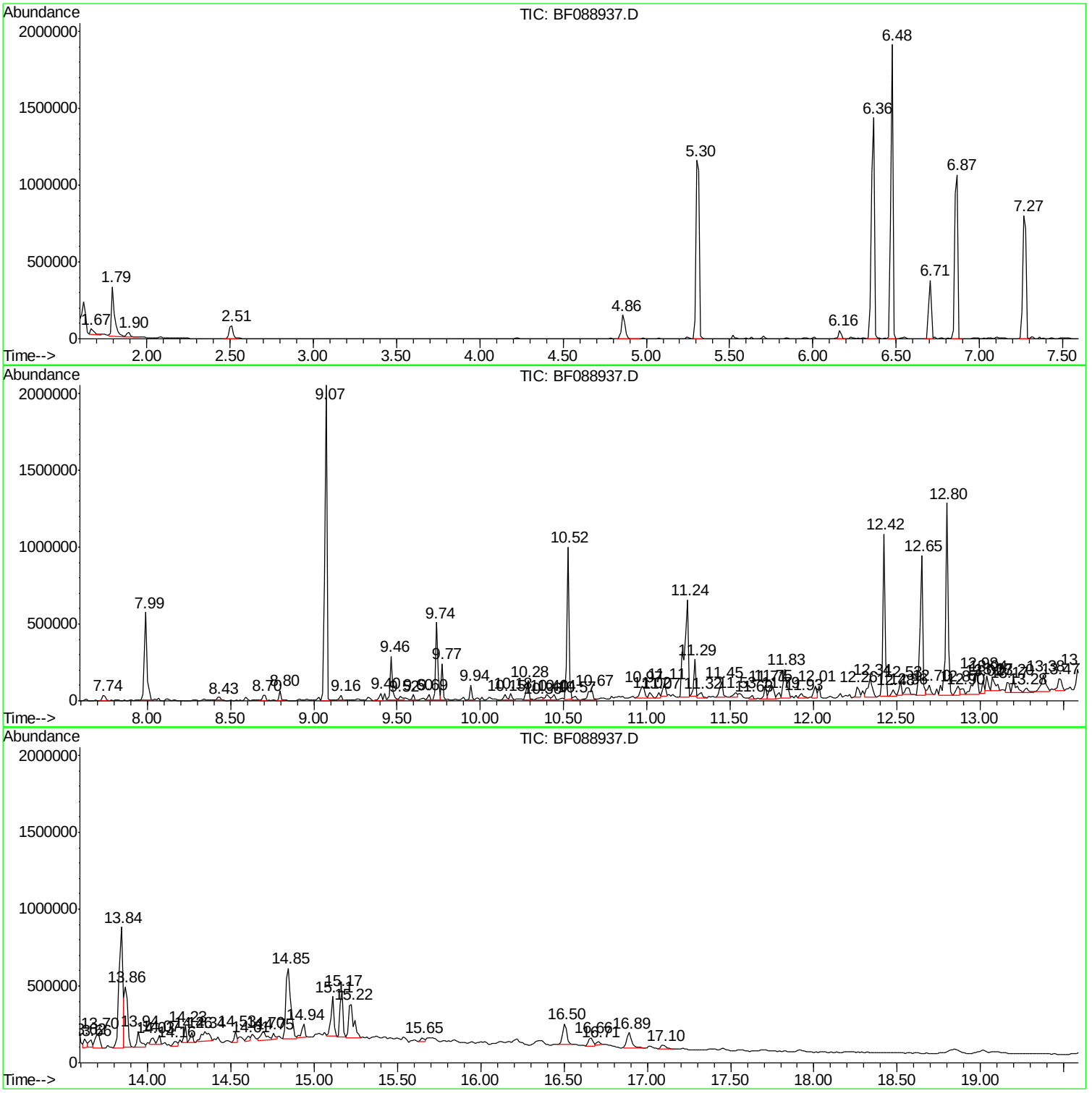
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
Data File : BF088937.D
Acq On : 12 Jul 2016 23:56
Operator : UM/SJ
Sample : H3935-24
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C3-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
Data File : BF088937.D
Acq On : 12 Jul 2016 23:56
Operator : UM/SJ
Sample : H3935-24
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

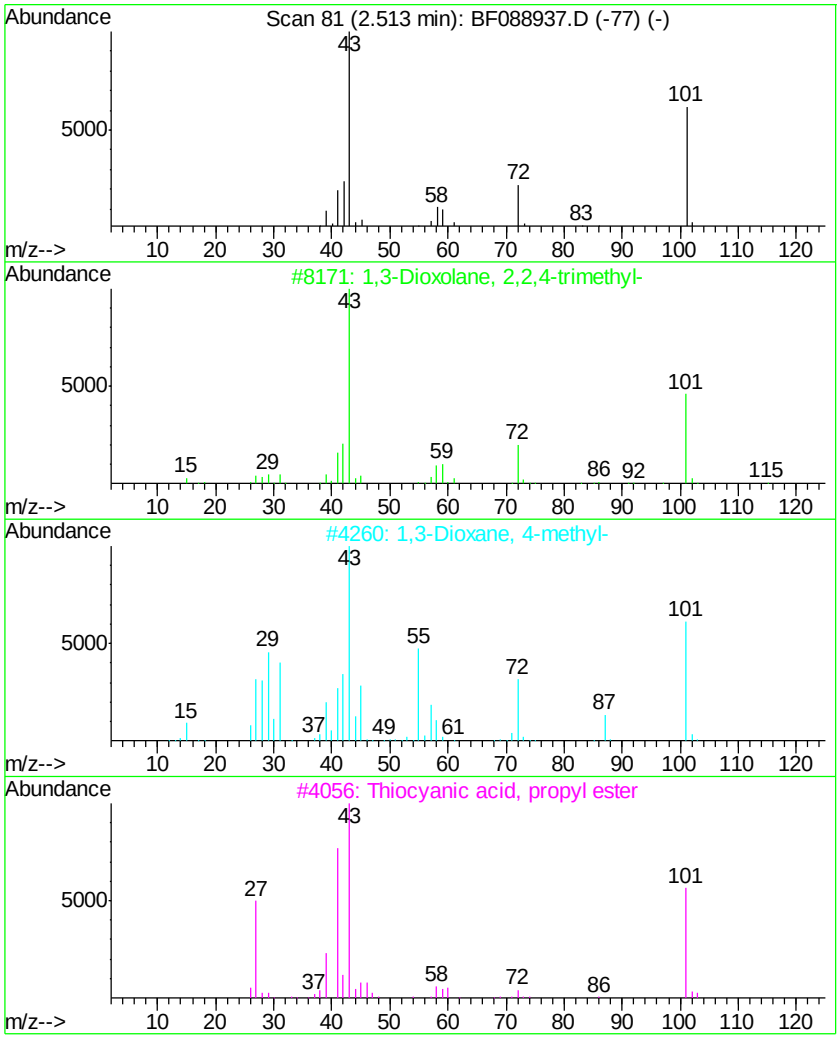
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

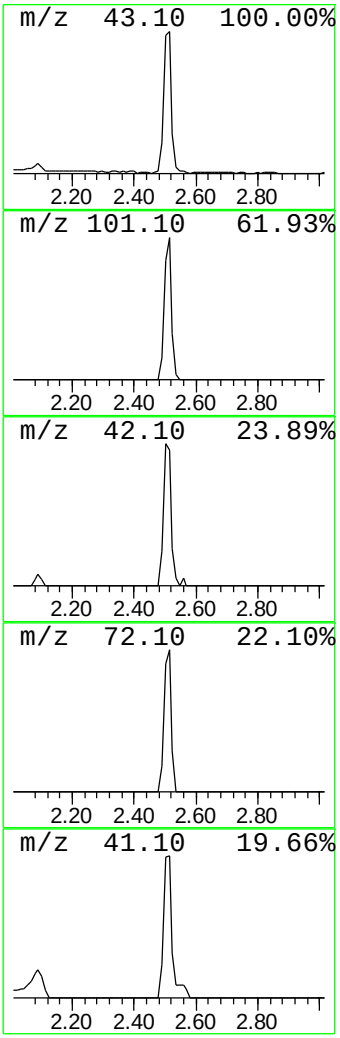
****

Peak Number 3 1,3-Dioxolane, 2,2,4-trimet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.51	7.18 ng	140483	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2,2,4-trimethyl-	116	C6H12O2	001193-11-9	90
2	1,3-Dioxane, 4-methyl-	102	C5H10O2	001120-97-4	72
3	Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	58
4	2-Butanone	72	C4H8O	000078-93-3	12
5	Butane	58	C4H10	000106-97-8	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
Data File : BF088937.D
Acq On : 12 Jul 2016 23:56
Operator : UM/SJ
Sample : H3935-24
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C3-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

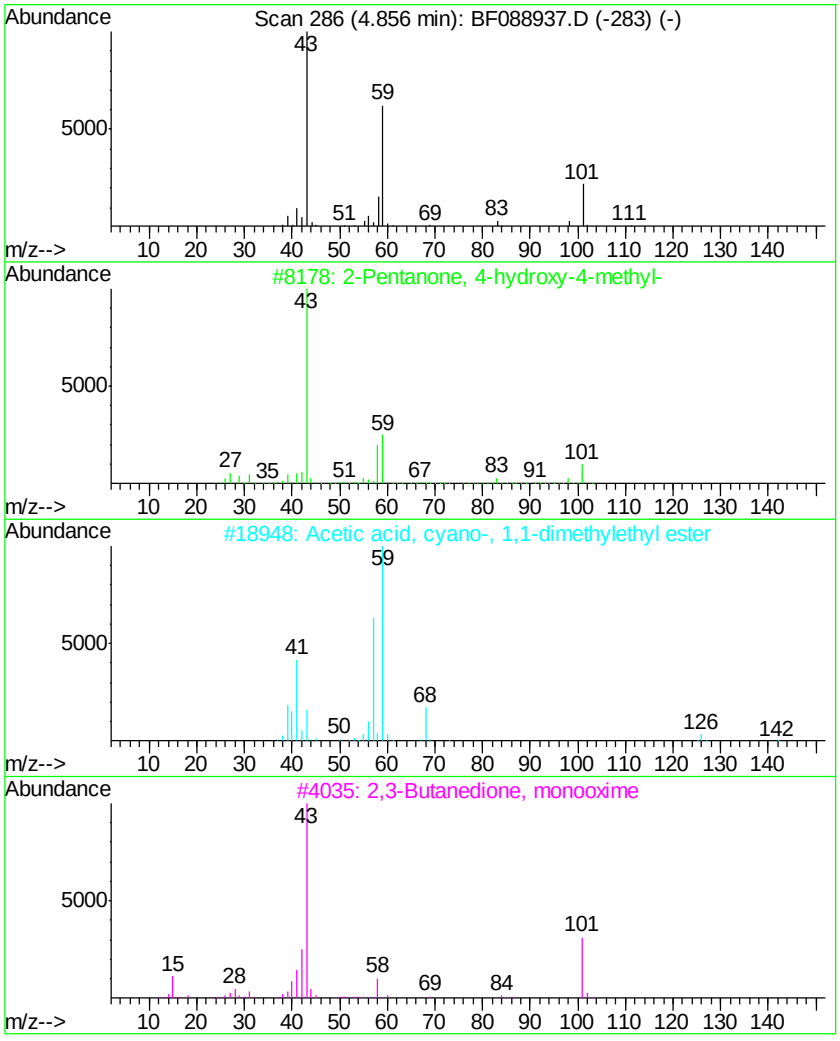
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

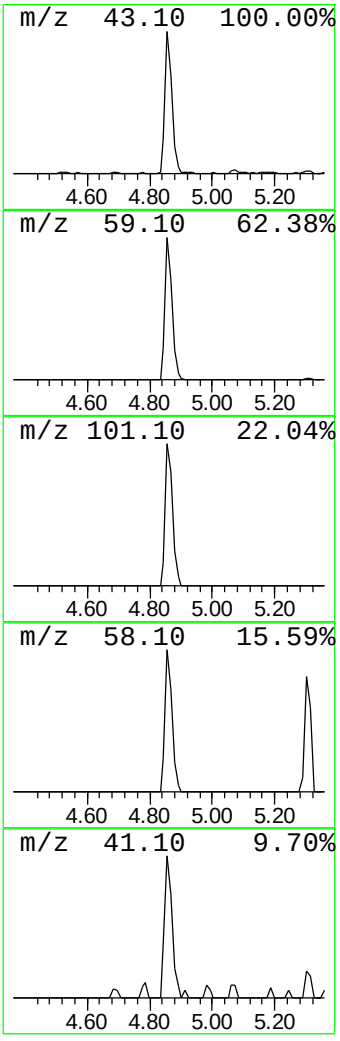
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	12.19 ng	238477	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
Data File : BF088937.D
Acq On : 12 Jul 2016 23:56
Operator : UM/SJ
Sample : H3935-24
Misc :
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Instrument : BNA_F
ClientSampleId : C3-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

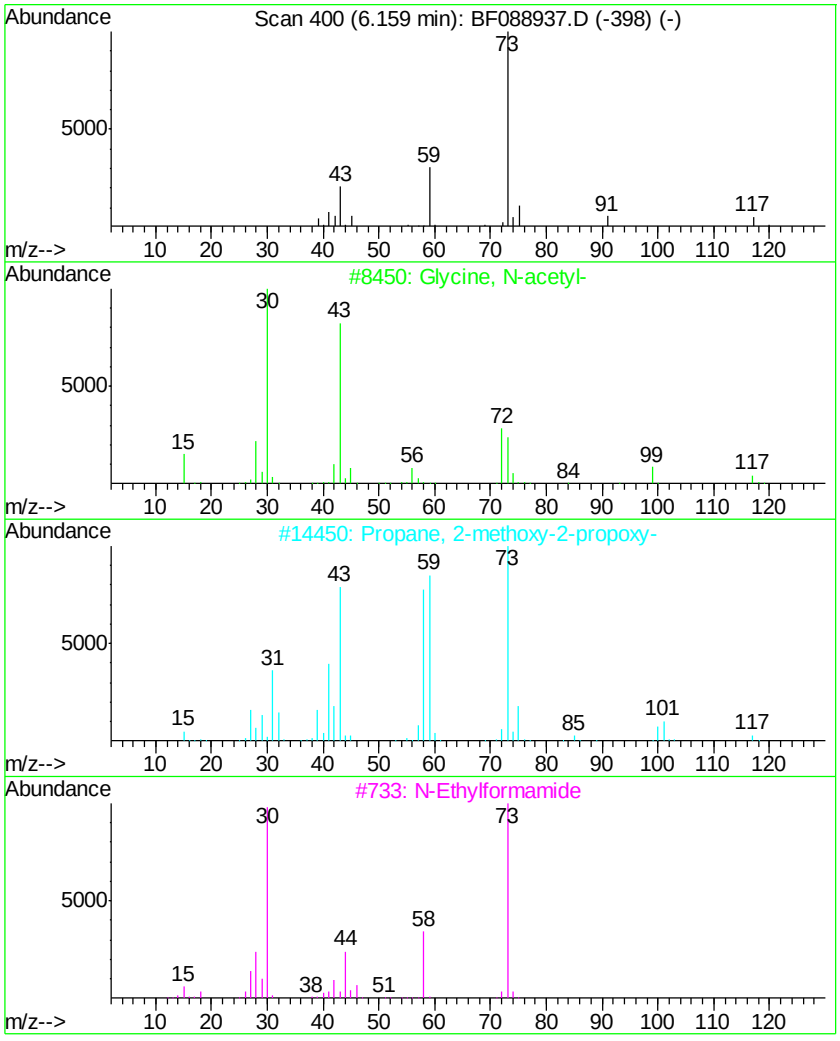
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

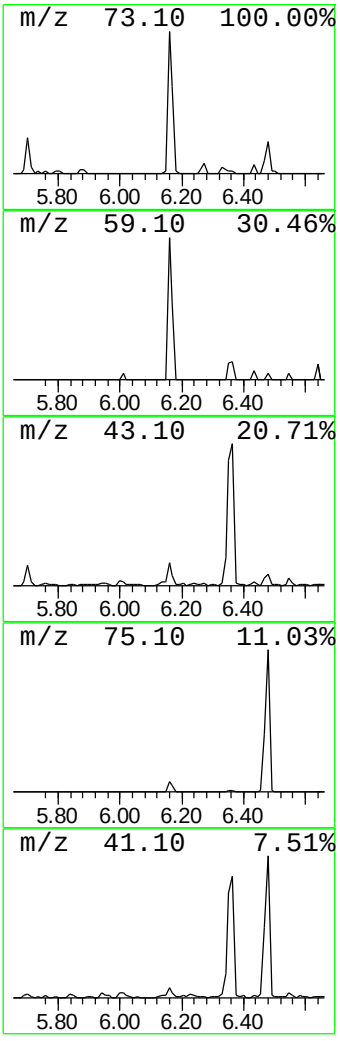
****

Peak Number 5 unknown6.16 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	3.18 ng	62225	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glycine, N-acetyl-	117	C4H7NO3	000543-24-8	9
2	Propane, 2-methoxy-2-propoxy-	132	C7H16O2	053951-40-9	9
3	N-Ethylformamide	73	C3H7NO	000627-45-2	7
4	Propylamine	59	C3H9N	000107-10-8	4
5	Hydrazinecarboxamide	75	CH5N3O	000057-56-7	4





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
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Acq On : 12 Jul 2016 23:56
Operator : UM/SJ
Sample : H3935-24
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C3-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

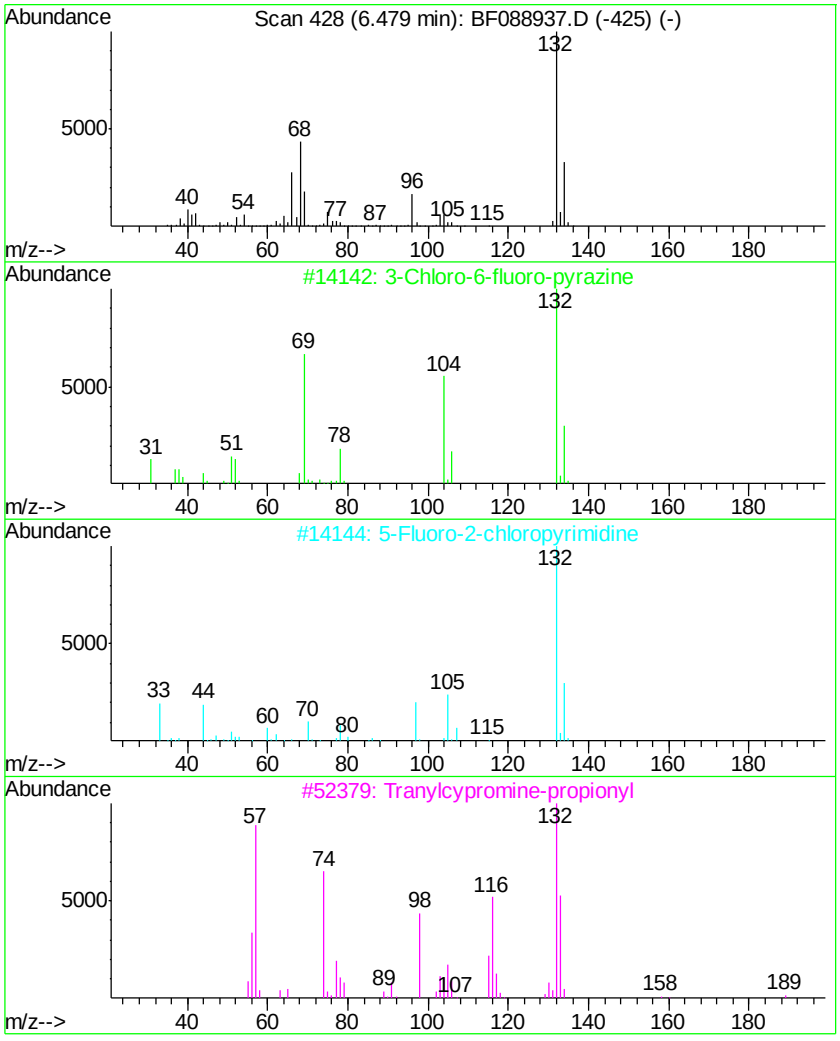
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

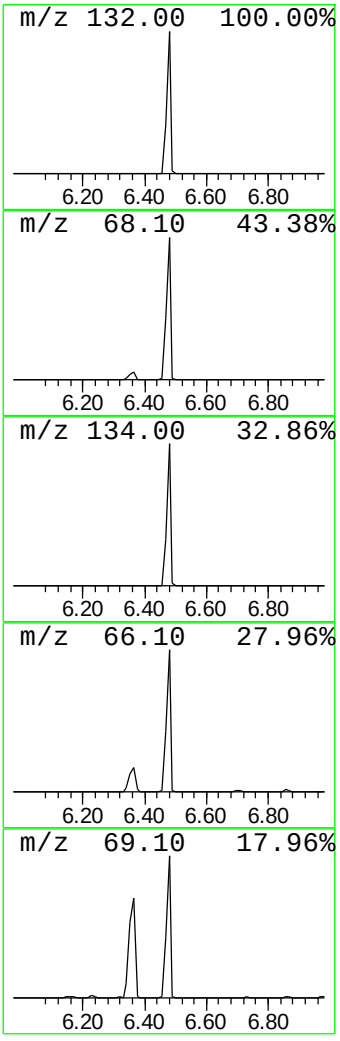
****

Peak Number 6 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	94.38 ng	1846350	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	N-(-3,4-Methylenedioxyphenylisop...	267	C17H17NO2	1000378-96-6	10
5	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9





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Data File : BF088937.D
Acq On : 12 Jul 2016 23:56
Operator : UM/SJ
Sample : H3935-24
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C3-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

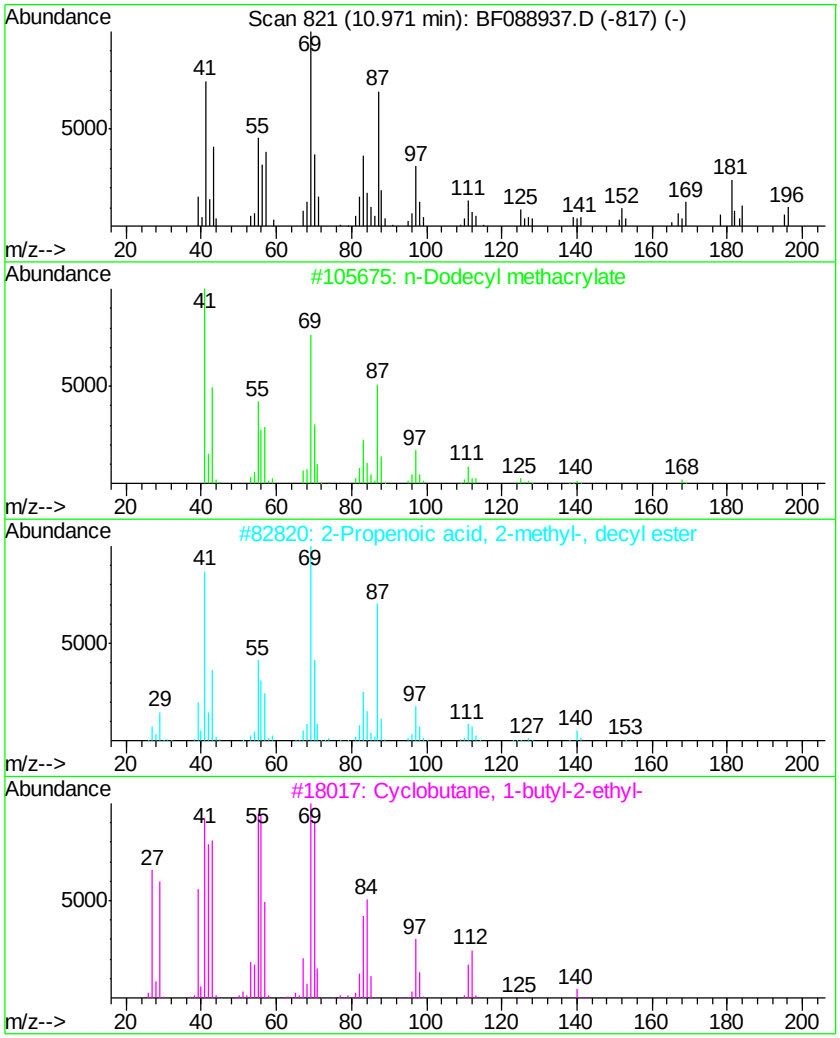
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

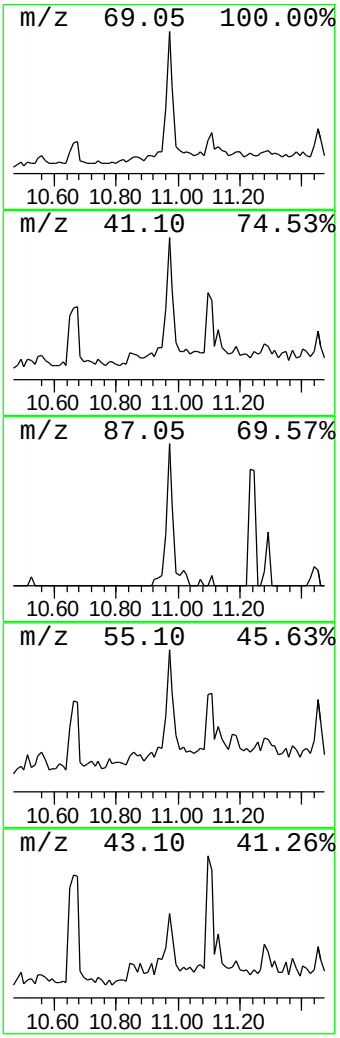
****

Peak Number 8 n-Dodecyl methacrylate Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	3.03 ng	163899	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Dodecyl methacrylate	254	C16H30O2	000142-90-5	70
2	2-Propenoic acid, 2-methyl-, dec...	226	C14H26O2	003179-47-3	52
3	Cyclobutane, 1-butyl-2-ethyl-	140	C10H20	1000150-67-3	46
4	3-Tetradecene, (E)-	196	C14H28	041446-68-8	43
5	Methacrylic acid, tetradecyl ester	282	C18H34O2	1000340-29-0	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
Data File : BF088937.D
Acq On : 12 Jul 2016 23:56
Operator : UM/SJ
Sample : H3935-24
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C3-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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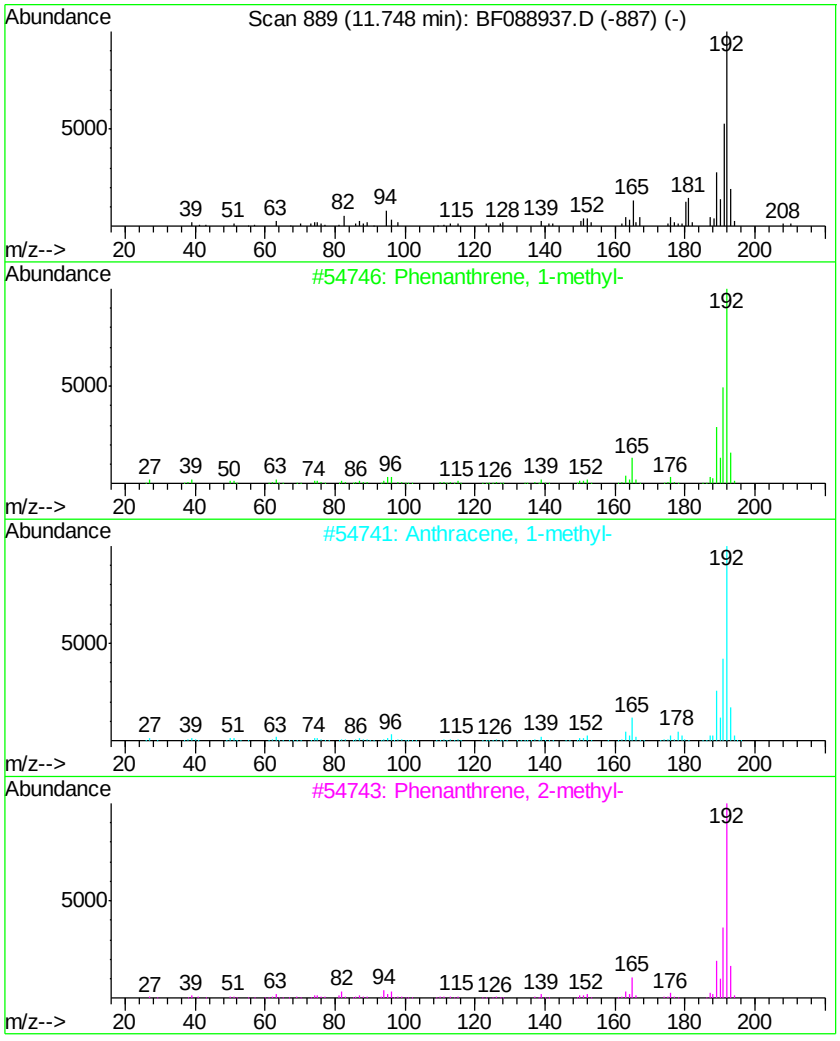
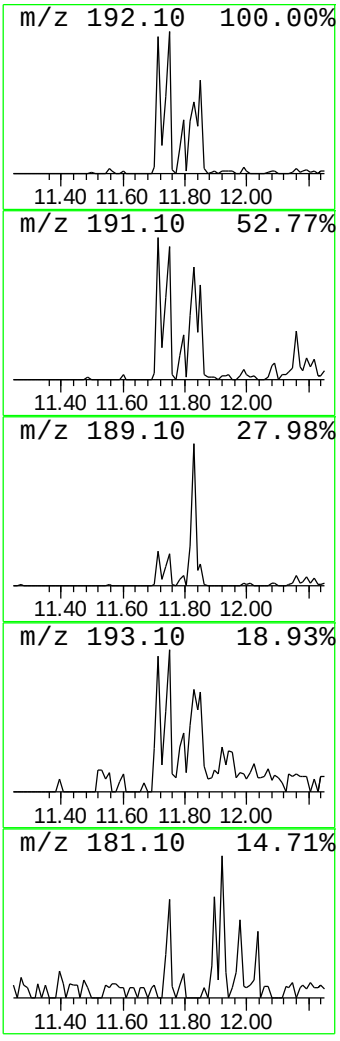
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	2.87 ng	155574	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Data File : BF088937.D
Acq On : 12 Jul 2016 23:56
Operator : UM/SJ
Sample : H3935-24
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C3-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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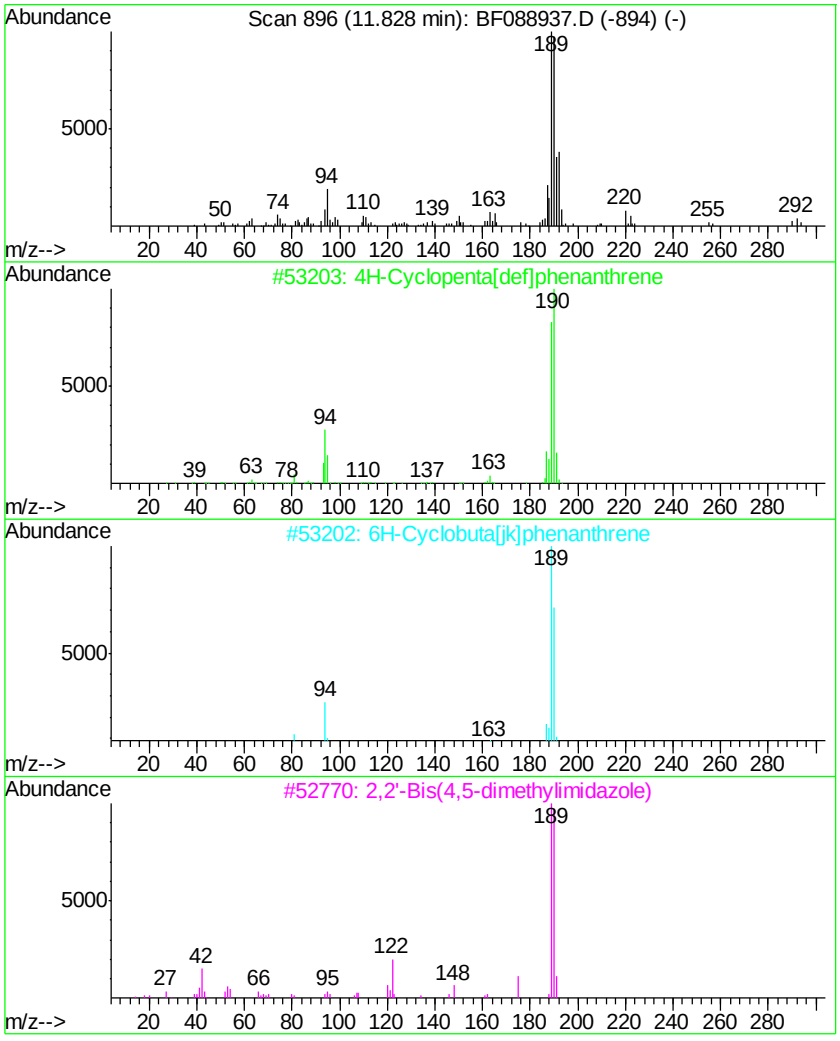
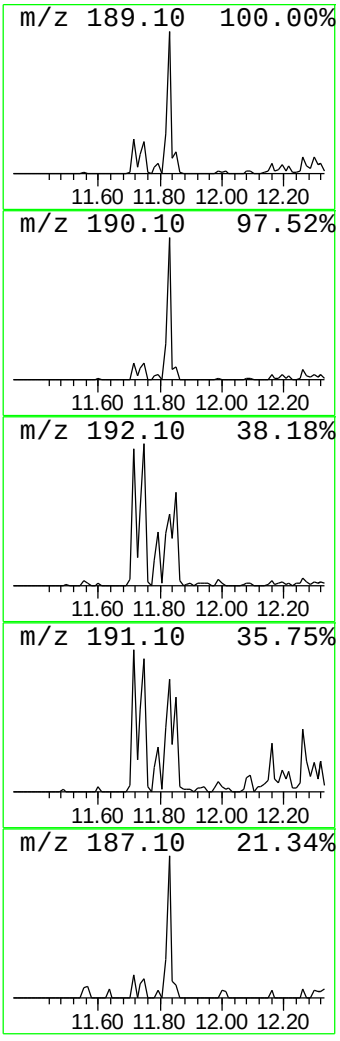
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	5.59 ng	302574	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	38
5	1-Aminocyclopentanecarboxylic ac...	445	C24H44ClNO4	1000329-17-5	35





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Misc :
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Instrument : BNA_F
ClientSampleId : C3-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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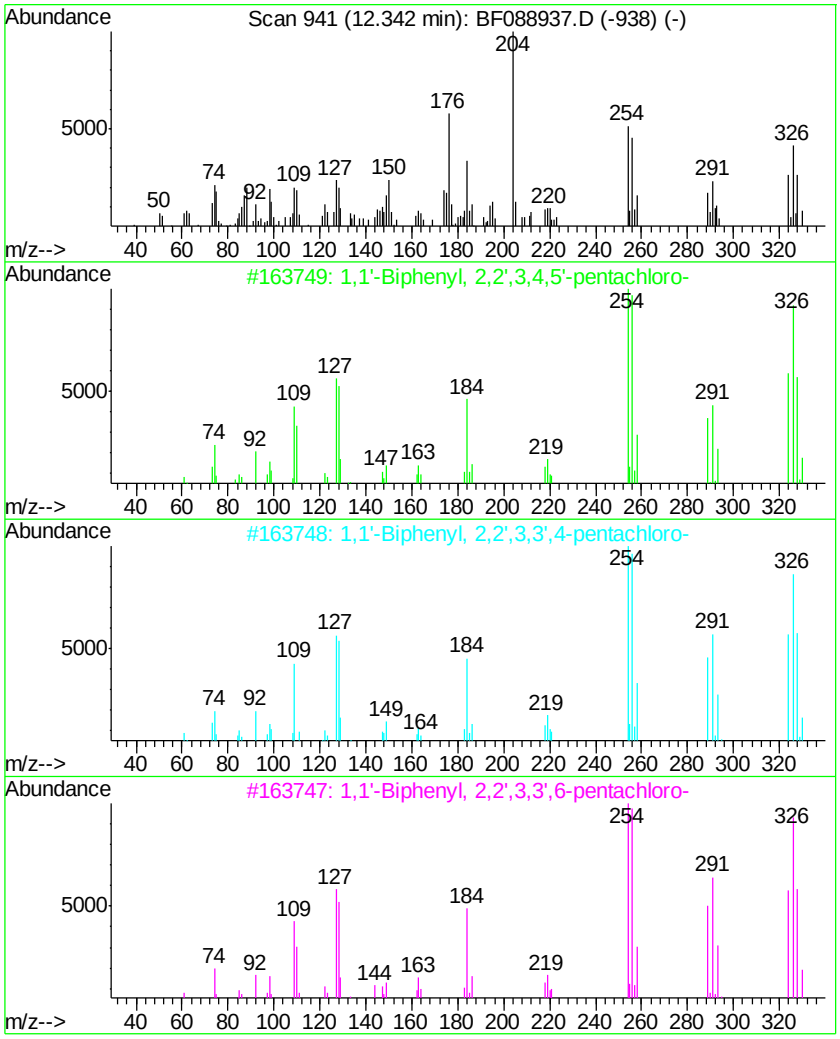
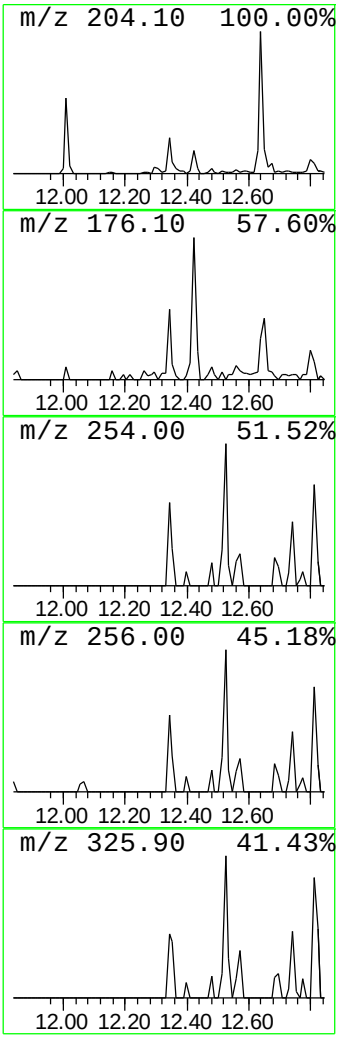
Peak Number 11 1,1'-Biphenyl, 2,2',3,4,5'-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	3.95 ng	213748	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	97
2	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	97
3	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	97
4	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	97
5	4,4'-Dichlorodiphenylsulphide	254	C12H8Cl2S	005181-10-2	91





Library Search Compound Report

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Sample : H3935-24
Misc :
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ClientSampleId : C3-02

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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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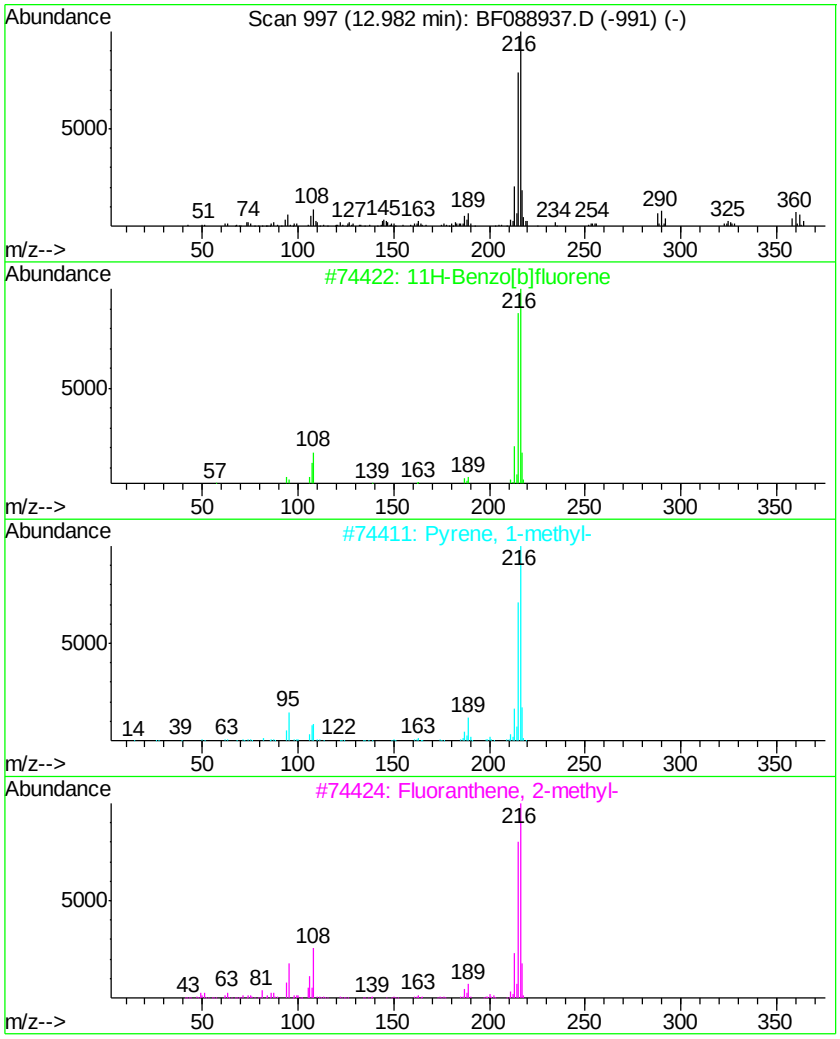
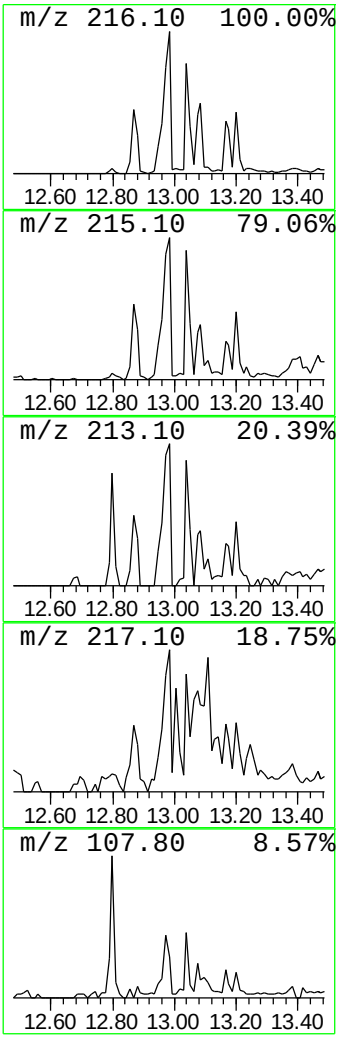
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	4.77 ng	273374	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





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ClientSampleId : C3-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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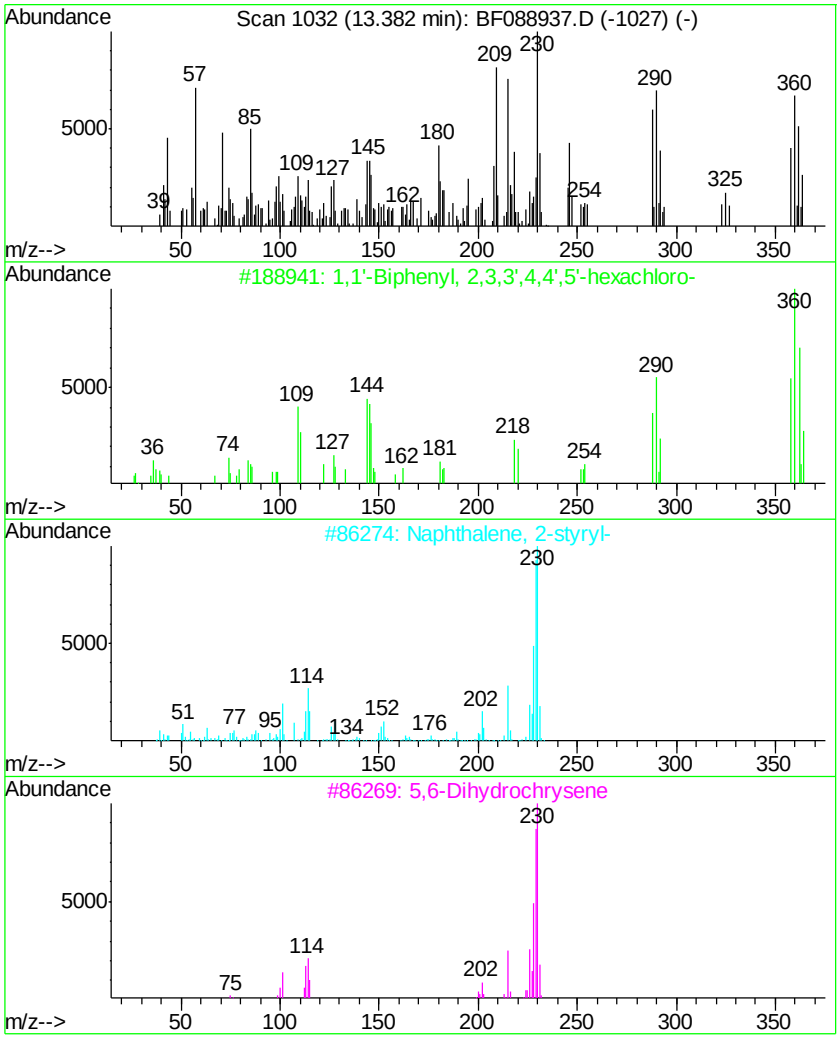
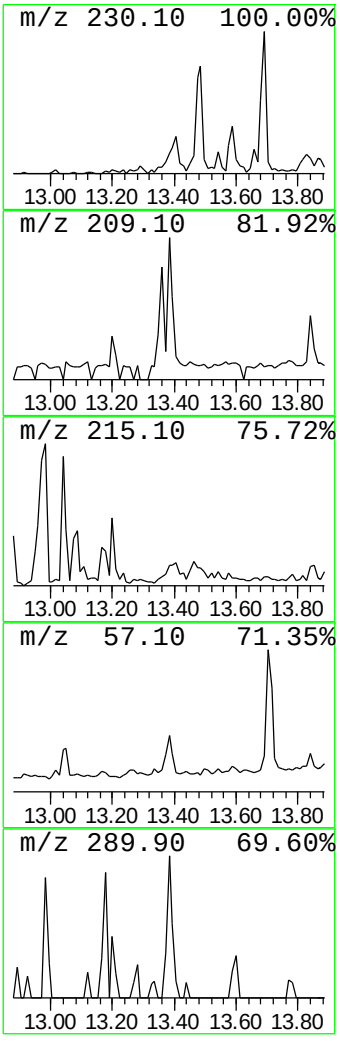
Peak Number 13 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	3.81 ng	218322	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	74
2	Naphthalene, 2-styryl-	230	C18H14	002039-70-5	44
3	5,6-Dihydrochrysene	230	C18H14	002091-92-1	41
4	Penclomedine	323	C8H6Cl5NO2	108030-77-9	25
5	1,3-Butadiyne, 1,4-di(4-bromophe...	358	C16H8Br2	000959-88-6	25





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Sample : H3935-24
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C3-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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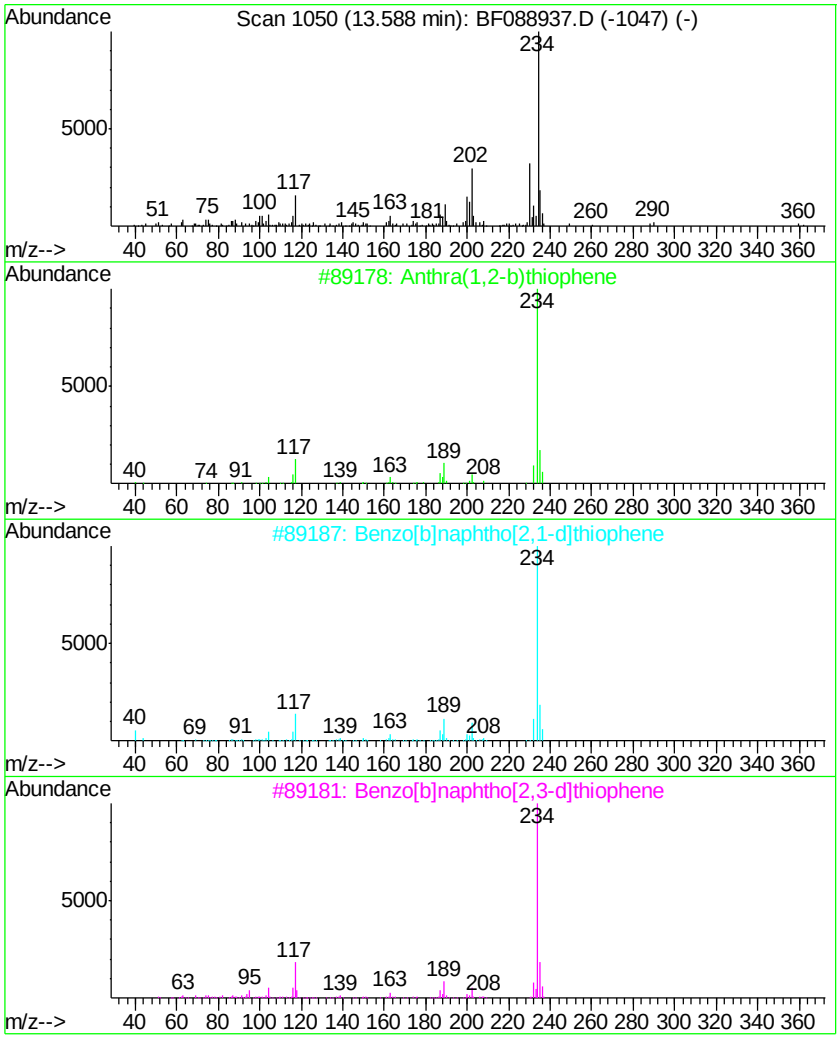
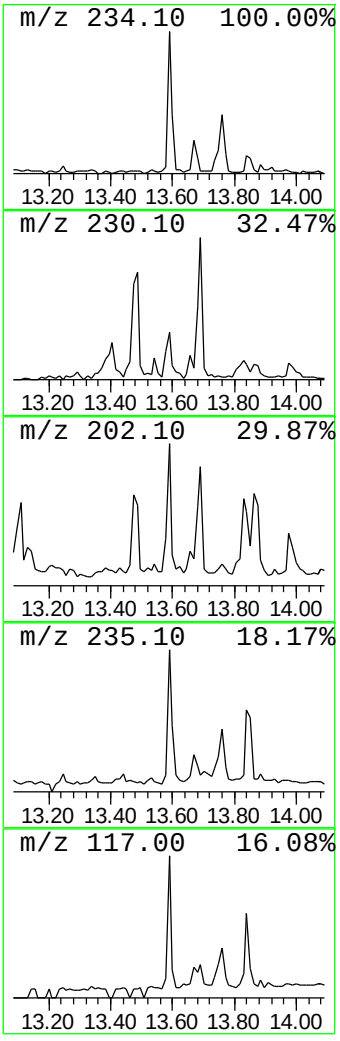
Peak Number 14 Anthra(1,2-b)thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	3.50 ng	200554	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
5	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	47





Library Search Compound Report

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Acq On : 12 Jul 2016 23:56
Operator : UM/SJ
Sample : H3935-24
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C3-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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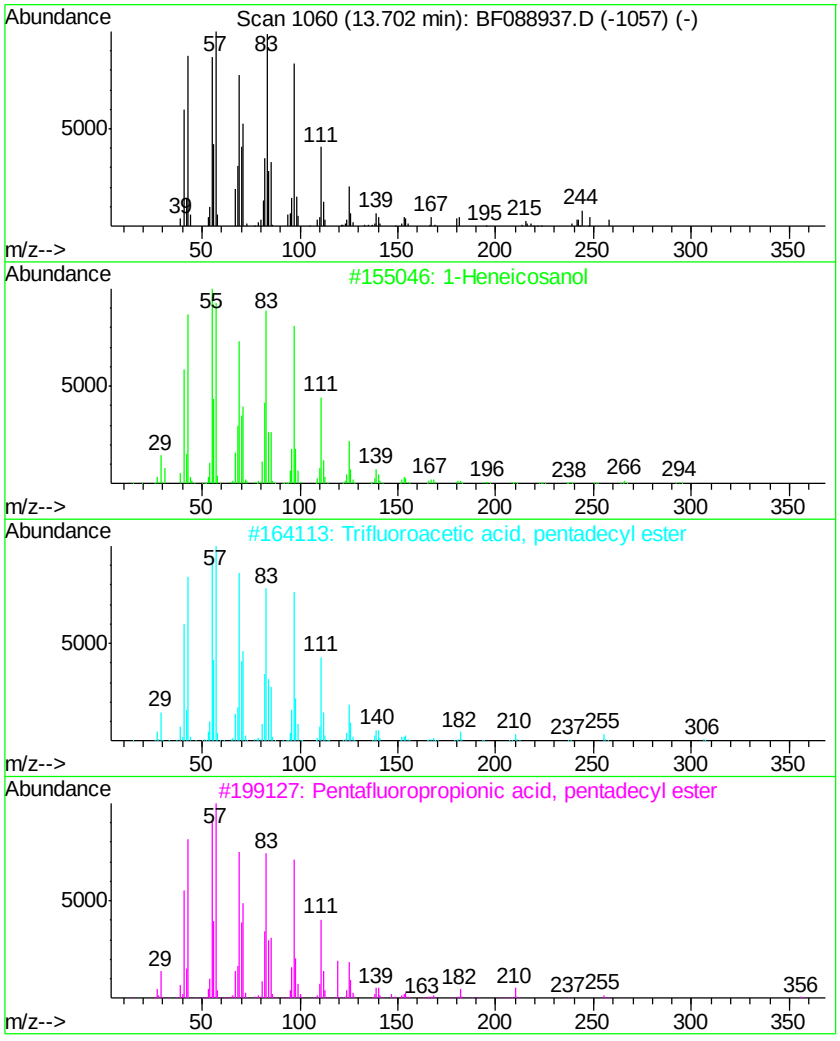
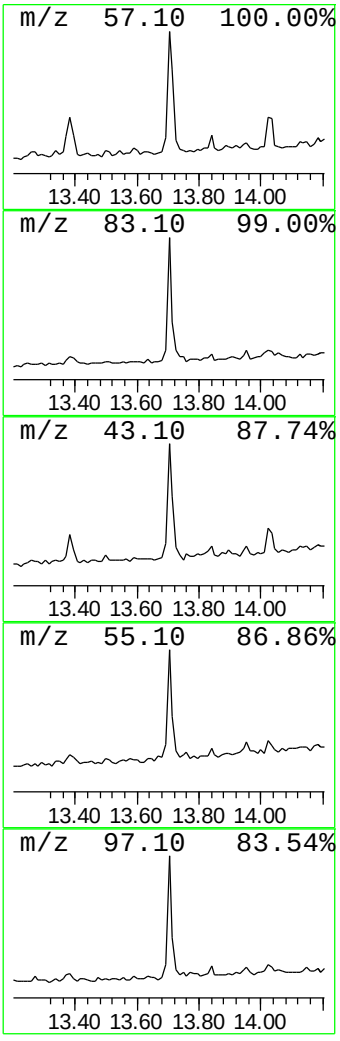
Peak Number 15 1-Heneicosanol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	3.46 ng	198246	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
3	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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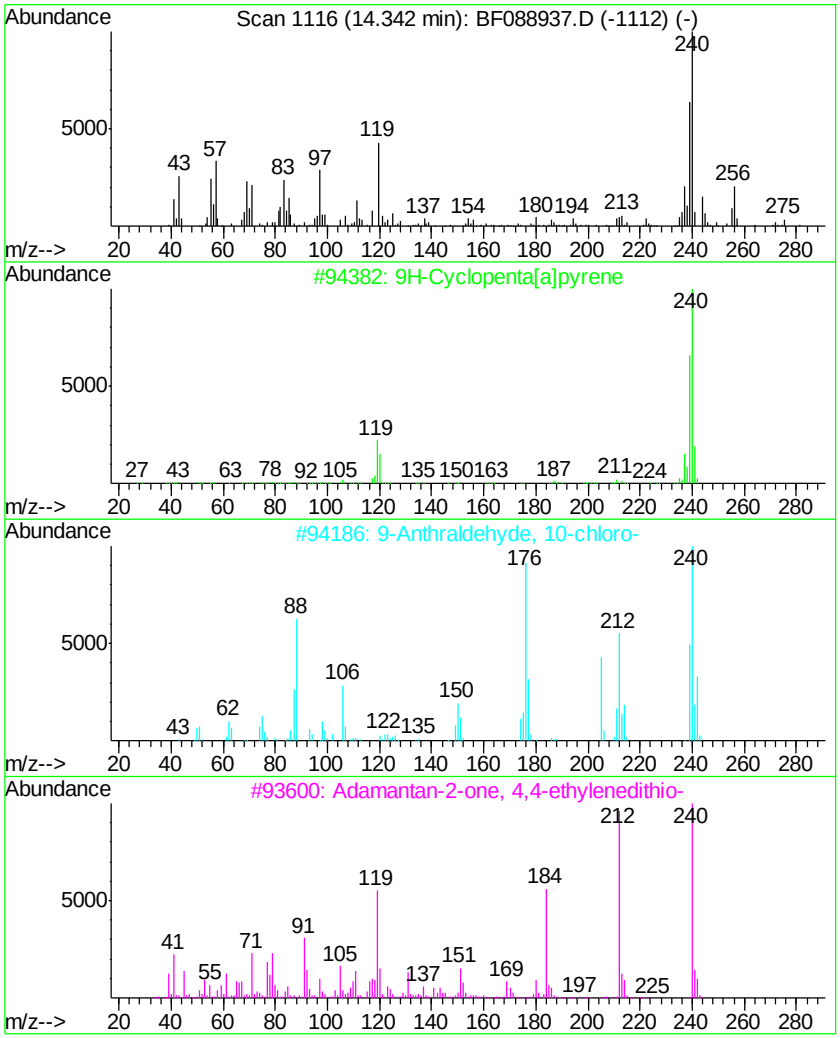
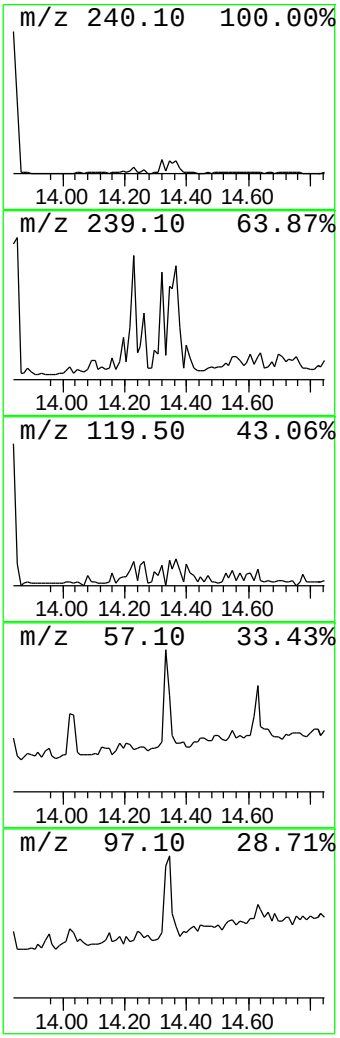
Peak Number 16 9H-Cyclopenta[a]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	3.38 ng	193659	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	52
2	9-Anthraldehyde, 10-chloro-	240	C15H9ClO	010527-16-9	35
3	Adamantan-2-one, 4,4-ethylenedit...	240	C12H16OS2	1000210-52-6	32
4	2-Propen-1-one, 1-(2-hydroxyphen...	240	C15H12O3	013323-66-5	25
5	4,6-Dimethyl-2-oxo-1-p-tolyl-1,2...	256	C15H16N2O2	024518-23-8	14





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Instrument : BNA_F
ClientSampleId : C3-02

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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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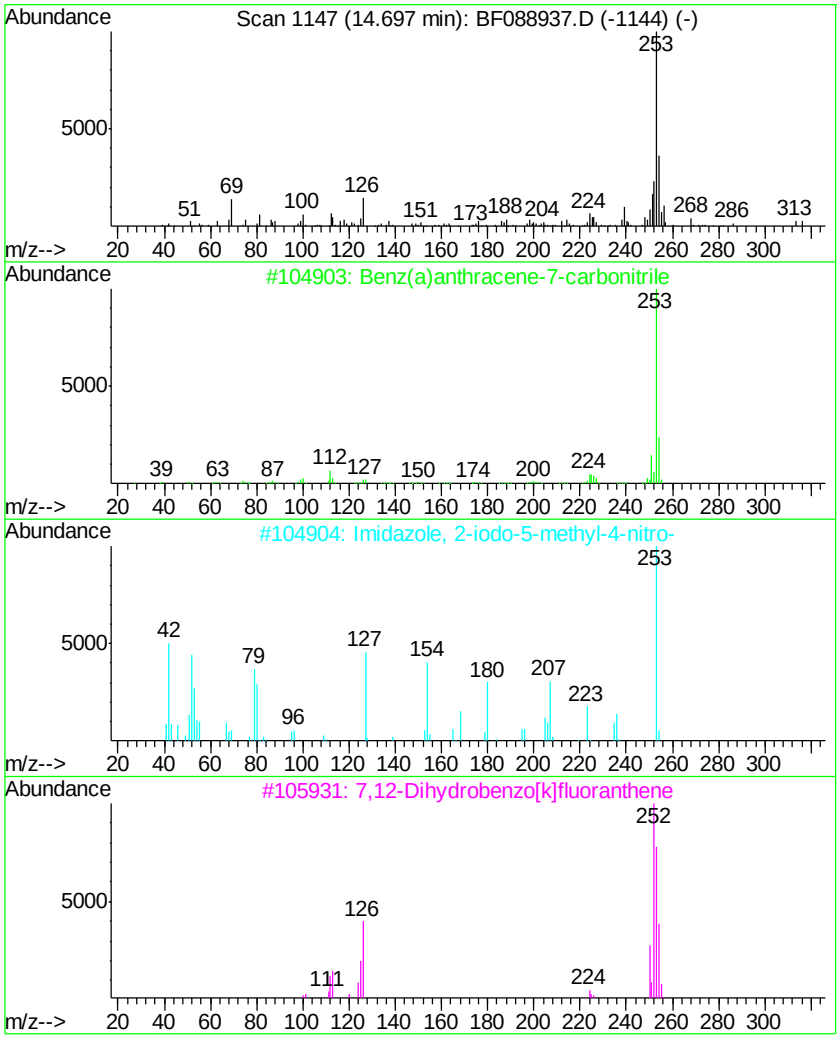
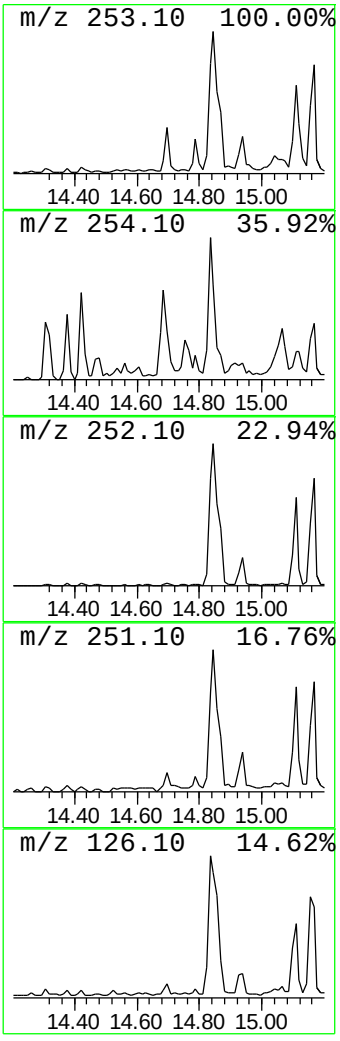
Peak Number 17 Benz(a)anthracene-7-carboni... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	5.35 ng	129582	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
2	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	50
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	50
4	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	43
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	38





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ClientSampleId : C3-02

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TIC Library : C:\Database\NIST11.L
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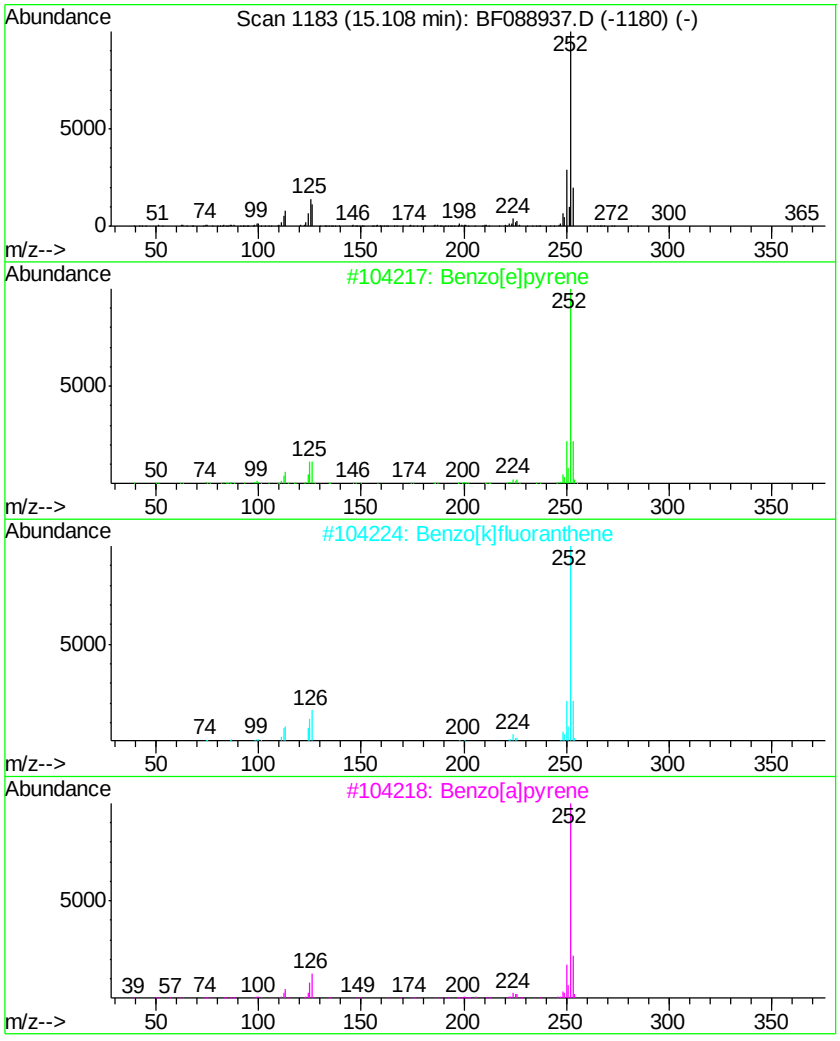
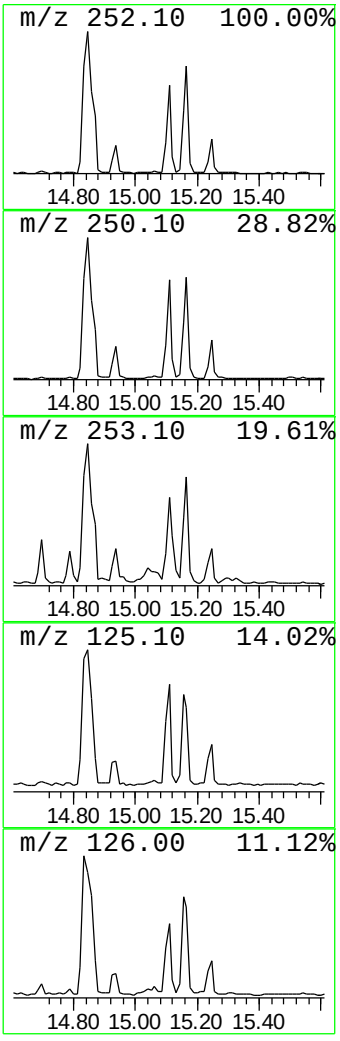
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	12.73 ng	308248	Perylene-d12	15.22

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	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





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ALS Vial : 16 Sample Multiplier: 1

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TIC Library : C:\Database\NIST11.L
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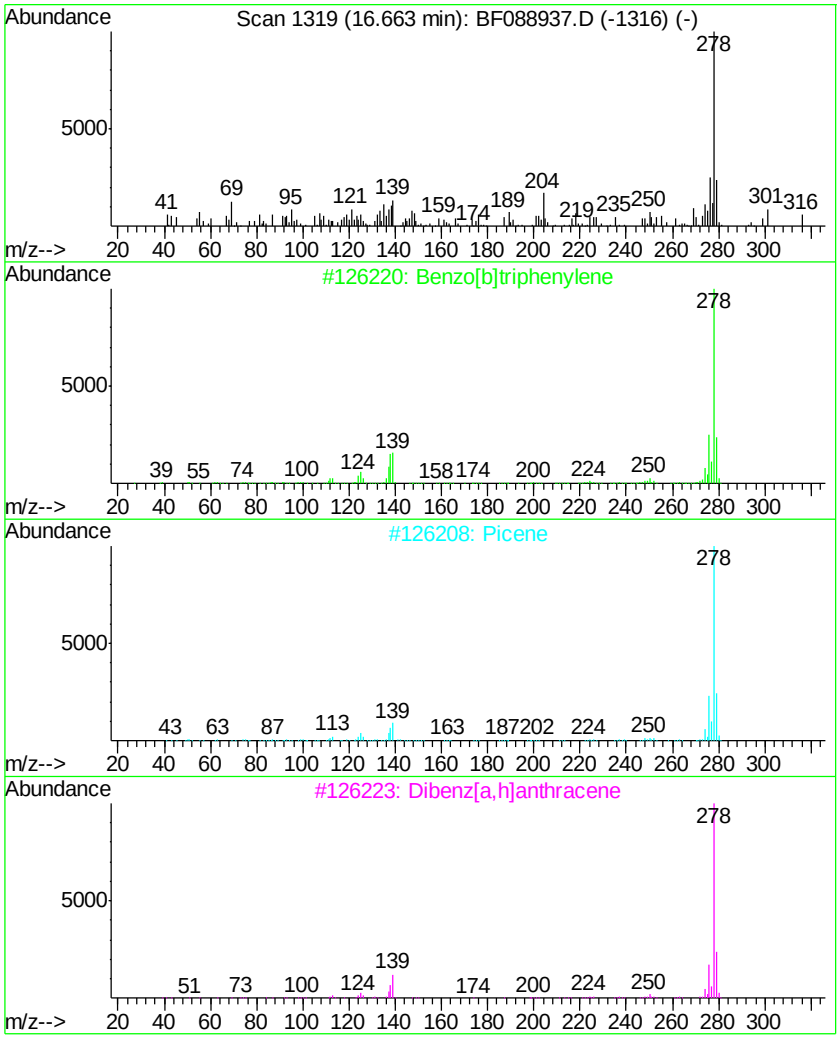
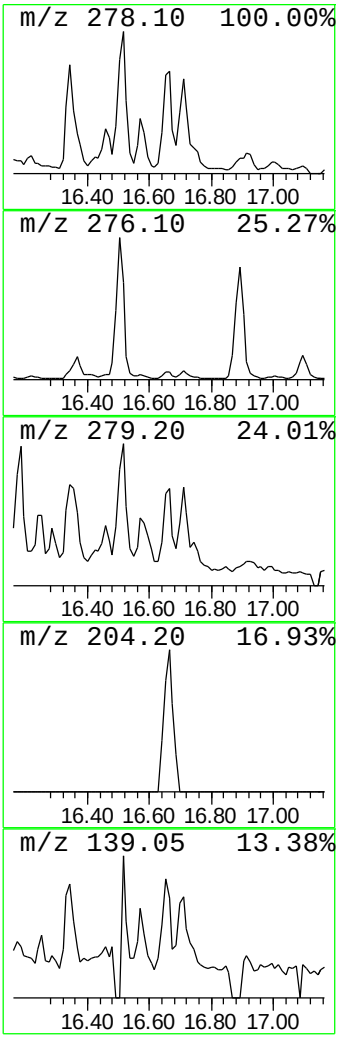
Peak Number 20 Benzo[b]triphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	4.26 ng	103117	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Picene	278	C22H14	000213-46-7	83
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
4	Pentaphene	278	C22H14	000222-93-5	64
5	Benzo[b]chrysene	278	C22H14	000214-17-5	58





Tentatively Identified Compound (LSC) summary

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Data File : BF088937.D
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Operator : UM/SJ
Sample : H3935-24
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1,3-Dioxolane, 2,...	2.51	7.2	ng	140483	1	6.71	391256	20.0
2-Pentanone, 4-hy...	4.86	12.2	ng	238477	1	6.71	391256	20.0
unknown6.16	6.16	3.2	ng	62225	1	6.71	391256	20.0
unknown6.48	6.48	94.4	ng	1846350	1	6.71	391256	20.0
n-Dodecyl methacr...	10.97	3.0	ng	163899	4	11.21	1083170	20.0
Phenanthrene, 1-m...	11.75	2.9	ng	155574	4	11.21	1083170	20.0
4H-Cyclopenta[def...	11.83	5.6	ng	302574	4	11.21	1083170	20.0
1,1'-Biphenyl, 2,...	12.34	4.0	ng	213748	4	11.21	1083170	20.0
11H-Benzo[b]fluorene	12.98	4.8	ng	273374	5	13.84	1147110	20.0
1,1'-Biphenyl, 2,...	13.38	3.8	ng	218322	5	13.84	1147110	20.0
Anthra(1,2-b)thio...	13.59	3.5	ng	200554	5	13.84	1147110	20.0
1-Heneicosanol	13.70	3.5	ng	198246	5	13.84	1147110	20.0
9H-Cyclopenta[a]p...	14.34	3.4	ng	193659	5	13.84	1147110	20.0
Benz(a)anthracene...	14.70	5.3	ng	129582	6	15.22	484168	20.0
Benzo[e]pyrene	15.11	12.7	ng	308248	6	15.22	484168	20.0
Benzo[b]triphenylene	16.66	4.3	ng	103117	6	15.22	484168	20.0