LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085822.D
Acq On : 29 Mar 2016 1:01
Operator : UM/SJ
Sample : H1937-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04(2-3)

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-BF032416.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	4.641	203	206	209	rBV4	56102	100431	2.35%	0.180%
2	4.996	234	237	248	rBV	934136	1337794	31.25%	2.395%
3	5.418	272	274	277	rBV	2251237	2426797	56.68%	4.345%
4	5.819	307	309	312	rBV	149253	139816	3.27%	0.250%
5	6.459	362	365	367	rBV	2373222	2670907	62.38%	4.782%
6	6.584	374	376	378	rBV	2758887	2528227	59.05%	4.527%
7	6.813	394	396	399	rBV	781735	673011	15.72%	1.205%
8	6.893	400	403	405	rBV2	124279	166154	3.88%	0.297%
9	6.973	408	410	412	rBV	2361358	2264320	52.89%	4.054%
10	7.384	443	446	448	rBV	1856637	1941021	45.34%	3.475%
11	8.104	506	509	513	rBV2	754358	1213161	28.34%	2.172%
12	8.813	569	571	573	rVV	227195	203810	4.76%	0.365%
13	8.916	578	580	582	rVB	144289	158696	3.71%	0.284%
14	9.179	600	603	605	rBV	3083898	2833026	66.17%	5.072%
15	9.259	605	610	615	rVV3	63127	115443	2.70%	0.207%
16	9.442	624	626	629	rBV2	100310	165669	3.87%	0.297%
17	9.510	630	632	634	rBV	173470	230647	5.39%	0.413%
18	9.545	634	635	636	rVB	93463	64069	1.50%	0.115%
19	9.579	636	638	639	rVB	383436	415549	9.71%	0.744%
20	9.636	639	643	645	rVB2	94149	158362	3.70%	0.284%
21	9.716	648	650	652	rVB	71368	66466	1.55%	0.119%
22	9.785	655	656	658	rBV	106353	119767	2.80%	0.214%
23	9.853	658	662	664	rBV	997791	1068851	24.97%	1.914%
24	9.888	664	665	667	rVB	985927	742170	17.33%	1.329%
25	10.013	674	676	678	rBV2	157551	175693	4.10%	0.315%
26	10.059	678	680	682	rBV	530198	475978	11.12%	0.852%
27	10.093	682	683	687	rVB3	63631	95429	2.23%	0.171%
28	10.173	687	690	691	rBV2	83769	99616	2.33%	0.178%
29	10.196	691	692	696	rVB2	49205	63543	1.48%	0.114%
30	10.265	696	698	699	rBV	94270	146511	3.42%	0.262%
31	10.288	699	700	702	rVB	212471	157382	3.68%	0.282%
32	10.356	702	706	708	rBV3	38412	70205	1.64%	0.126%
33	10.402	708	710	712	rBV	912226	813771	19.01%	1.457%
34	10.482	712	717	719	rBV3	153925	403825	9.43%	0.723%

LSC Area Percent Report

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Acq On : 29 Mar 2016 1:01
Operator : UM/SJ
Sample : H1937-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04(2-3)

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-BF032416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.562	723	724	726	rVB	223611	165954	3.88%	0.297%
36	10.642	726	731	733	rBV	1599984	1936790	45.24%	3.468%
37	10.688	733	735	737	rVB2	74090	110200	2.57%	0.197%
38	10.768	739	742	745	rVB3	163960	278854	6.51%	0.499%
39	10.836	745	748	750	rBV3	57764	101985	2.38%	0.183%
40	10.950	754	758	759	rBV2	215195	304399	7.11%	0.545%
41	10.973	759	760	762	rVB2	76724	84707	1.98%	0.152%
42	11.030	763	765	766	rVB2	86337	86946	2.03%	0.156%
43	11.099	766	771	774	rBV3	133167	306023	7.15%	0.548%
44	11.202	777	780	782	rBV3	180202	401552	9.38%	0.719%
45	11.236	782	783	786	rVB	349344	300538	7.02%	0.538%
46	11.373	790	795	796	rBV2	2810944	4281372	100.00%	7.666%
47	11.419	796	799	800	rVV	1254275	1148760	26.83%	2.057%
48	11.453	800	802	803	rVV	183705	163966	3.83%	0.294%
49	11.568	809	812	816	rBV2	358877	752474	17.58%	1.347%
50	11.636	816	818	820	rVV2	169023	181765	4.25%	0.325%
51	11.671	820	821	823	rBV2	61784	92514	2.16%	0.166%
52	11.842	834	836	837	rBV	426183	416240	9.72%	0.745%
53	11.876	837	839	841	rVV	505629	666104	15.56%	1.193%
54	11.922	841	843	844	rVV	250093	302630	7.07%	0.542%
55	11.956	844	846	850	rVV2	677373	1088556	25.43%	1.949%
56	12.139	860	862	863	rBV	223327	164056	3.83%	0.294%
57	12.391	883	884	886	rVV	188794	231231	5.40%	0.414%
58	12.436	886	888	891	rVB2	214504	375373	8.77%	0.672%
59	12.562	897	899	901	rBV	2120381	2166136	50.59%	3.878%
60	12.619	901	904	906	rVB2	78421	115812	2.71%	0.207%
61	12.711	910	912	913	rVB2	77716	92806	2.17%	0.166%
62	12.791	915	919	921	rVB2	1357055	2312741	54.02%	4.141%
63	12.836	921	923	925	rVB2	137641	198696	4.64%	0.356%
64	12.928	926	931	933	rBV	2172390	2486941	58.09%	4.453%
65	12.996	934	937	943	rBV4	143439	396150	9.25%	0.709%
66	13.111	943	947	949	rVB	443424	523391	12.22%	0.937%
67	13.179	949	953	954	rBV	264188	428881	10.02%	0.768%
68	13.214	954	956	960	rVB2	213369	304199	7.11%	0.545%
69	13.305	962	964	965	rBV	111447	105033	2.45%	0.188%
70	13.339	965	967	971	rVB3	91651	154265	3.60%	0.276%
71	13.499	979	981	982	rBV	69627	115671	2.70%	0.207%

LSC Area Percent Report

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Acq On : 29 Mar 2016 1:01
Operator : UM/SJ
Sample : H1937-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04(2-3)

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.591	987	989	990	rBV	70440	83712	1.96%	0.150%
73	13.625	990	992	993	rVB2	56081	65380	1.53%	0.117%
74	13.728	998	1001	1002	rBV	97339	140194	3.27%	0.251%
75	13.751	1002	1003	1004	rVV	146665	115675	2.70%	0.207%
76	13.774	1004	1005	1008	rVV2	70256	124511	2.91%	0.223%
77	13.819	1008	1009	1013	rVB2	152345	201856	4.71%	0.361%
78	13.899	1013	1016	1018	rBV	31830	81793	1.91%	0.146%
79	13.968	1018	1022	1024	rBV2	1019926	1636211	38.22%	2.930%
80	14.002	1024	1025	1027	rVV	772025	632882	14.78%	1.133%
81	14.082	1030	1032	1033	rVV	144763	127700	2.98%	0.229%
82	14.162	1035	1039	1041	rVV4	44001	138782	3.24%	0.248%
83	14.208	1041	1043	1044	rVB	77782	89181	2.08%	0.160%
84	14.357	1054	1056	1058	rVV	129339	161063	3.76%	0.288%
85	14.459	1061	1065	1066	rBV3	87330	162173	3.79%	0.290%
86	14.551	1071	1073	1076	rVB3	55320	99984	2.34%	0.179%
87	14.665	1081	1083	1088	rBV5	54213	142706	3.33%	0.256%
88	14.848	1097	1099	1102	rBV2	44644	93108	2.17%	0.167%
89	14.997	1109	1112	1116	rBV	510028	1056380	24.67%	1.891%
90	15.088	1119	1120	1122	rVB	108301	124198	2.90%	0.222%
91	15.191	1126	1129	1131	rBV2	47616	123922	2.89%	0.222%
92	15.271	1134	1136	1139	rVB	228215	370564	8.66%	0.663%
93	15.339	1139	1142	1144	rVB	479211	598249	13.97%	1.071%
94	15.397	1144	1147	1148	rBV	447306	545801	12.75%	0.977%
95	15.602	1159	1165	1168	rVB	57140	184818	4.32%	0.331%
96	16.780	1264	1268	1272	rVB	191309	390163	9.11%	0.699%
97	16.940	1279	1282	1284	rBV	56552	105432	2.46%	0.189%
98	17.191	1301	1304	1312	rBV	148606	322596	7.53%	0.578%
99	17.420	1321	1324	1332	rVB2	58002	165701	3.87%	0.297%
100	19.306	1485	1489	1495	rVB	34701	117311	2.74%	0.210%

Sum of corrected areas: 55851874

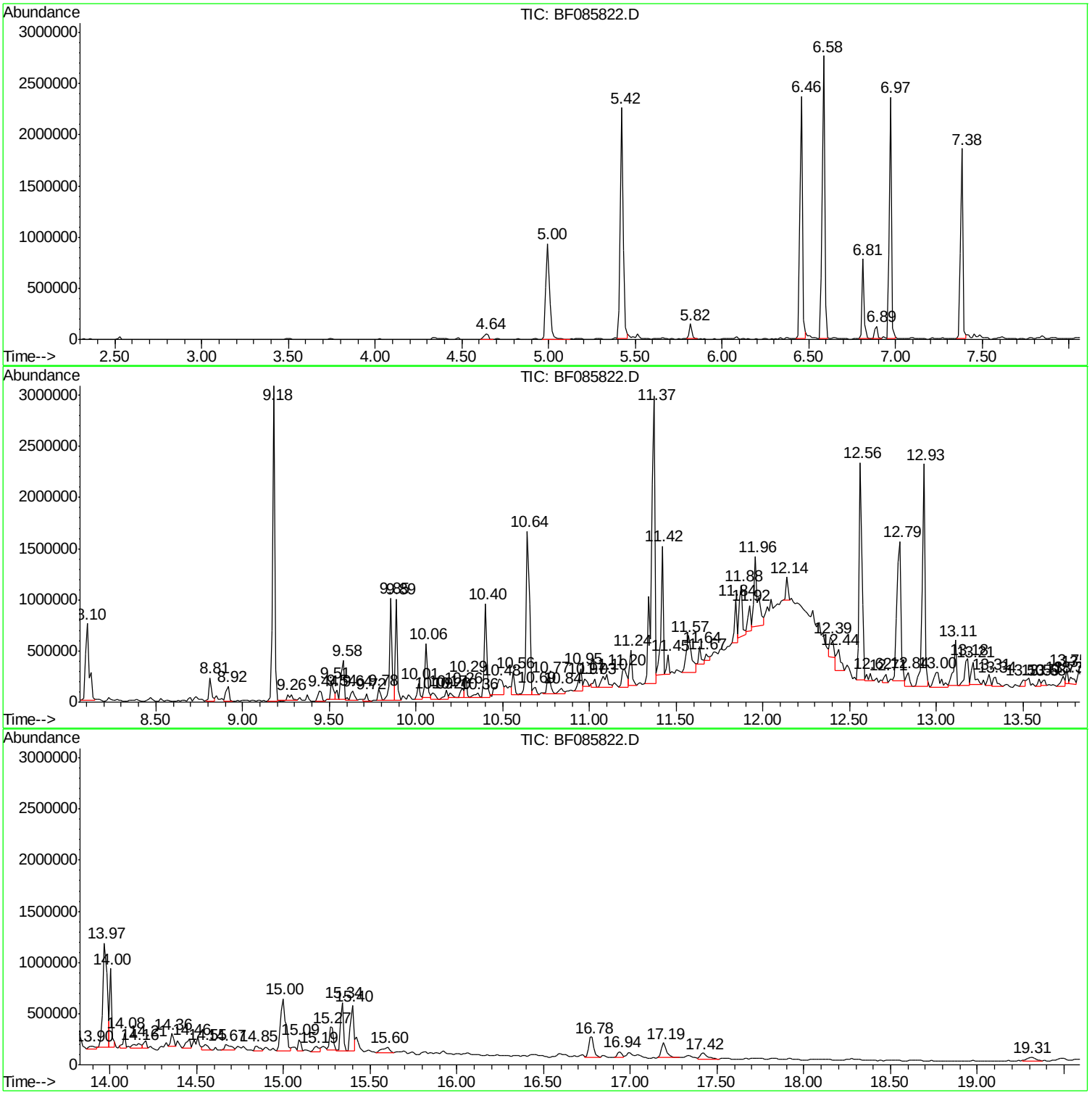
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085822.D
Acq On : 29 Mar 2016 1:01
Operator : UM/SJ
Sample : H1937-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.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\BF032816\
Data File : BF085822.D
Acq On : 29 Mar 2016 1:01
Operator : UM/SJ
Sample : H1937-03
Misc :
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Instrument : BNA_F
ClientSampleId : GW-04(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

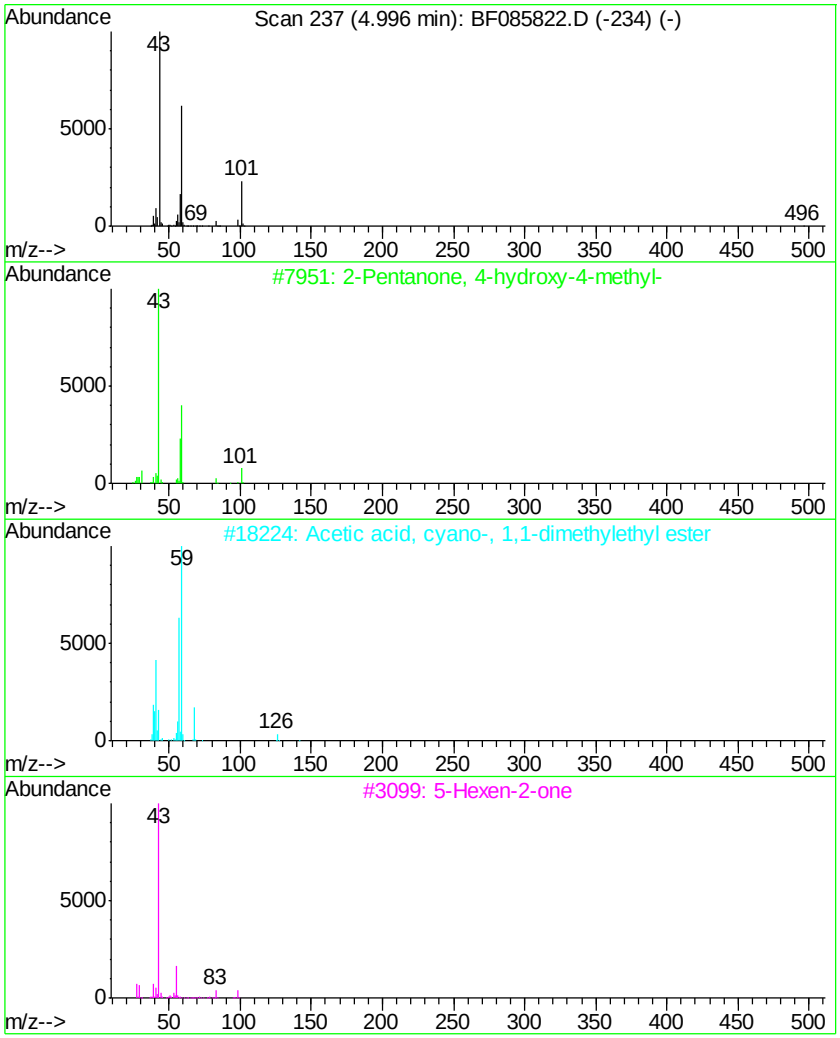
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

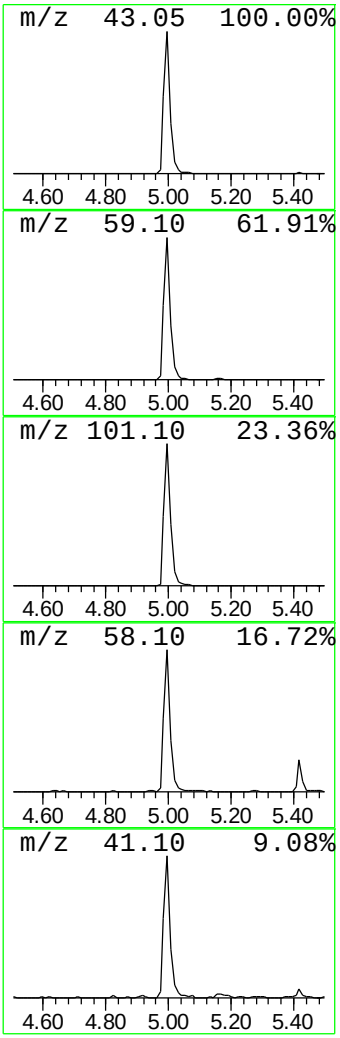
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	39.76 ng	1337790	1,4-Dichlorobenzene-d4	6.81

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	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085822.D
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Sample : H1937-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

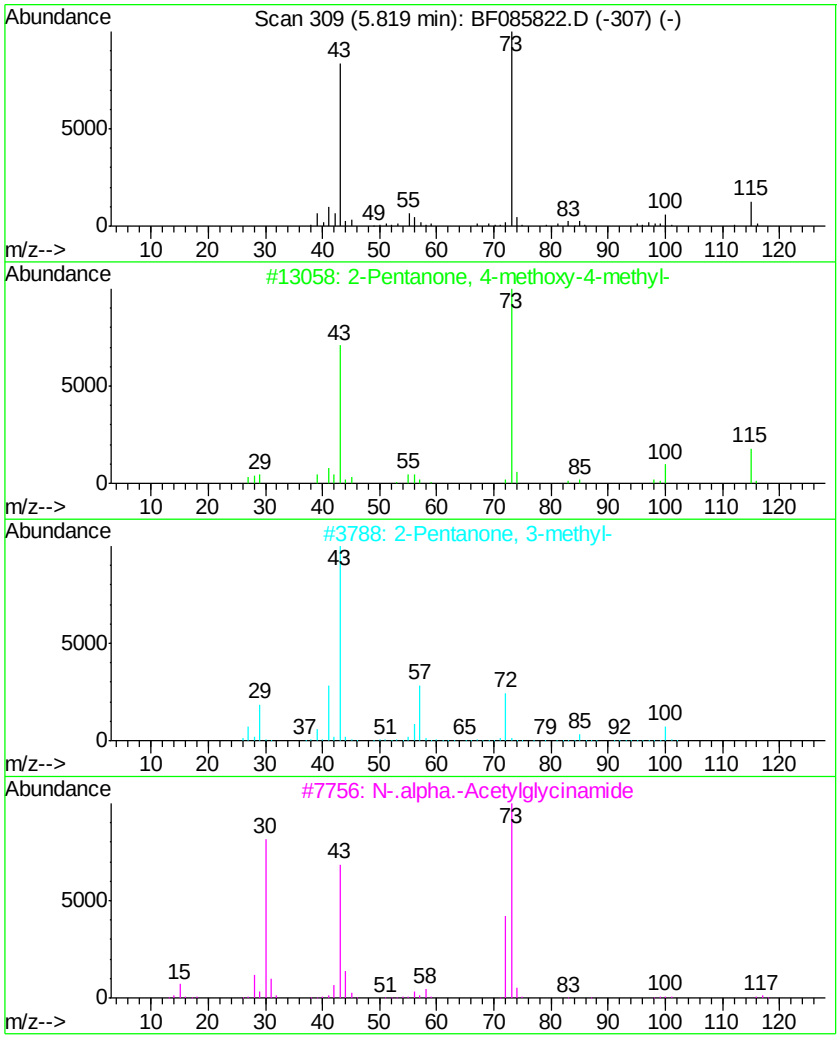
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

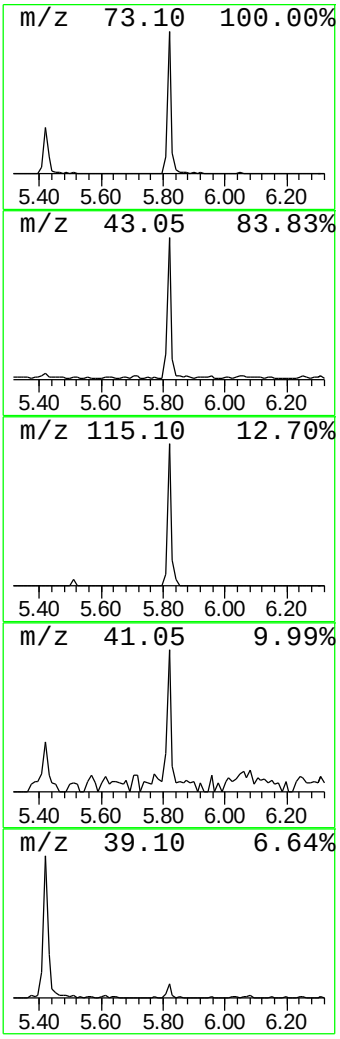
****

Peak Number 2 2-Pentanone, 4-methoxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	4.15 ng	139816	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	78
2	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	27
3	N-.alpha.-Acetylglycinamide	116	C4H8N2O2	002620-63-5	25
4	Butane, 2-methoxy-2,3,3-trimethyl-	130	C8H18O	027705-21-1	17
5	Pentanoic acid, 4-oxo-	116	C5H8O3	000123-76-2	12





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
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TIC Library : C:\DATABASE\NIST02.L
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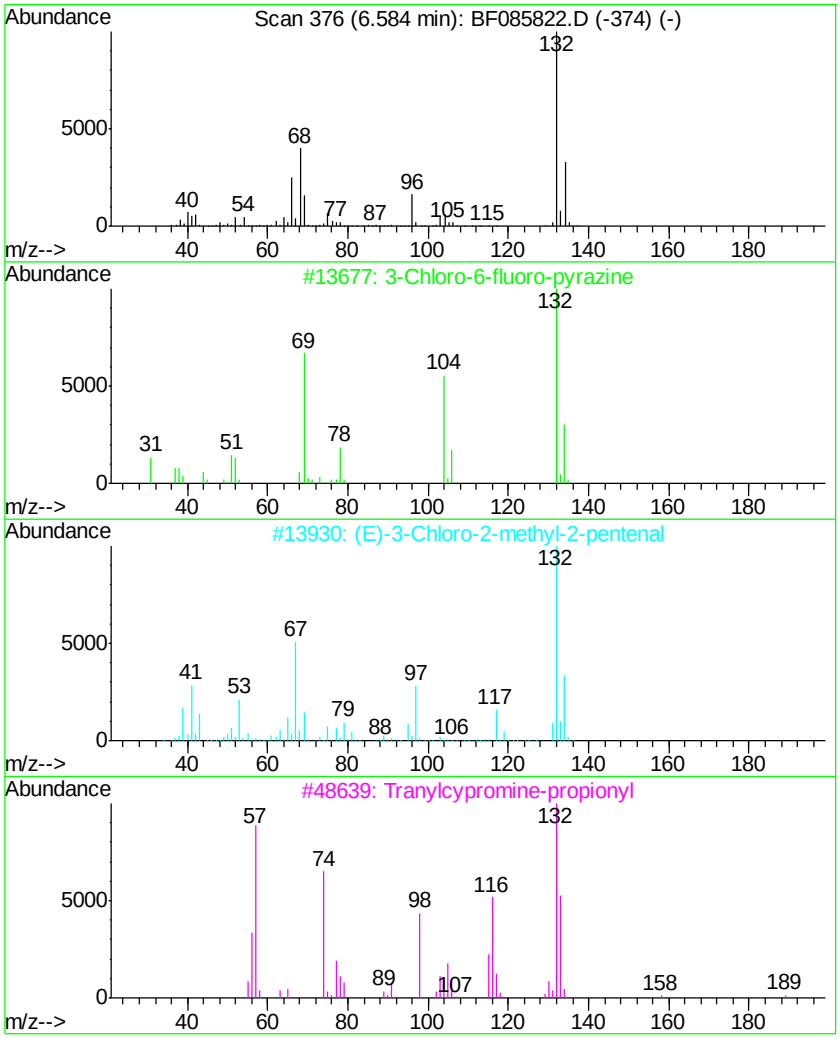
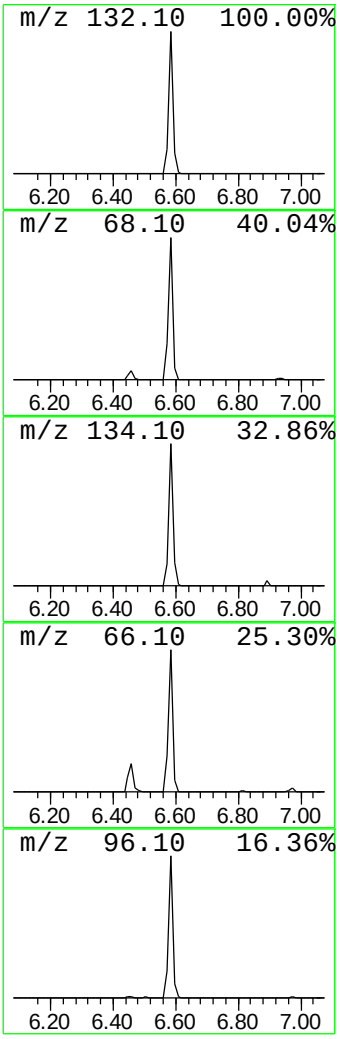
Peak Number 3 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	75.13 ng	2528230	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Sample : H1937-03
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Instrument : BNA_F
ClientSampleId : GW-04(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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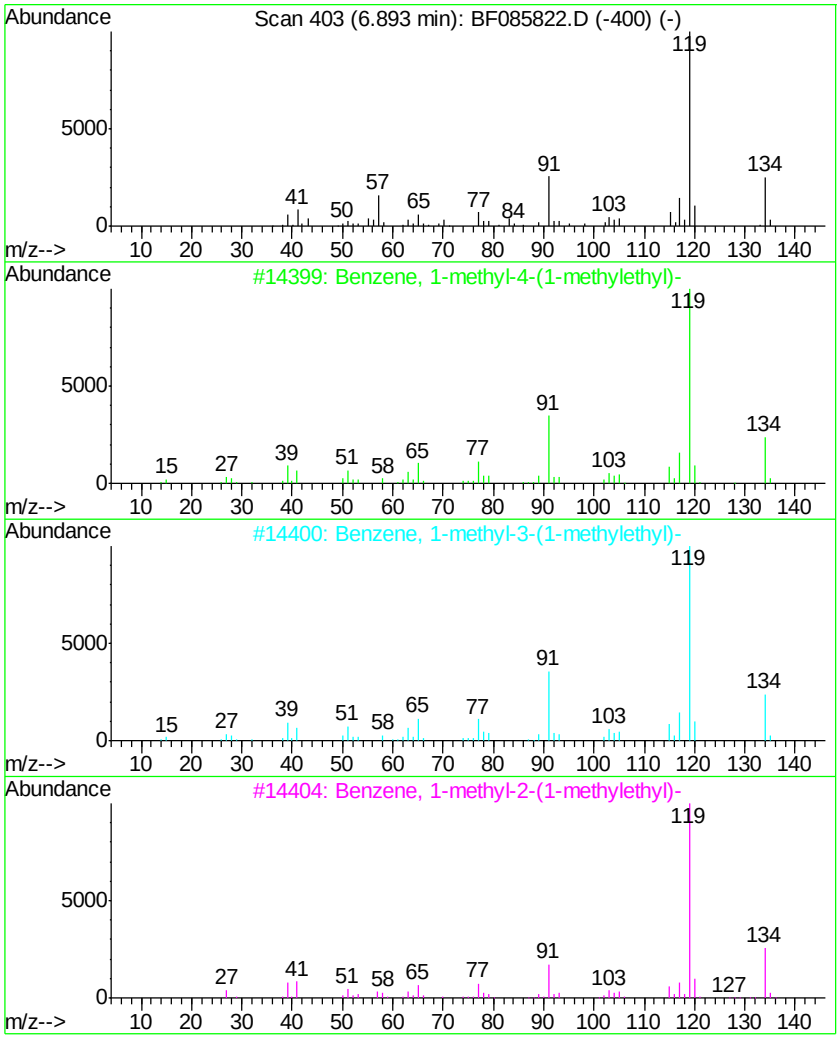
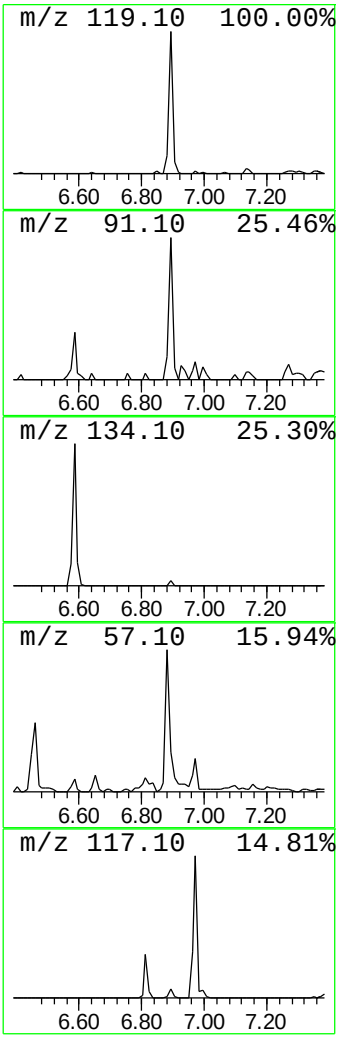
Peak Number 4 Benzene, 1-methyl-4-(1-meth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	4.94 ng	166154	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	93
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	93
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085822.D
Acq On : 29 Mar 2016 1:01
Operator : UM/SJ
Sample : H1937-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

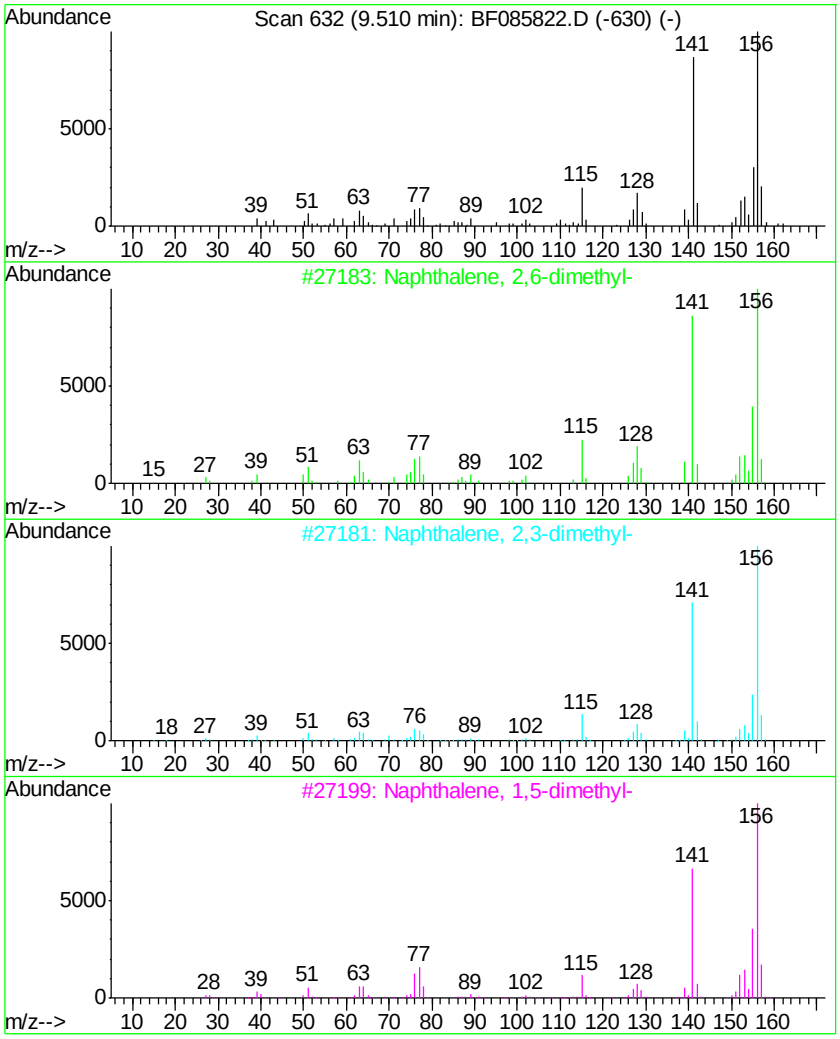
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

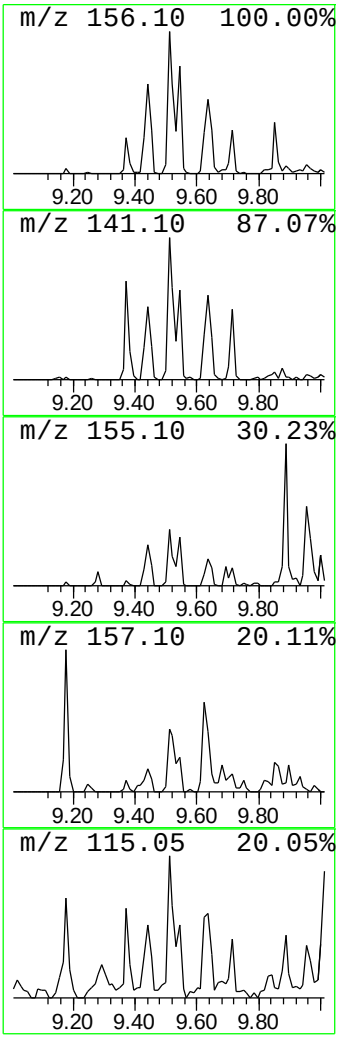
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	4.32 ng	230647	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





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Operator : UM/SJ
Sample : H1937-03
Misc :
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Instrument : BNA_F
ClientSampleId : GW-04(2-3)

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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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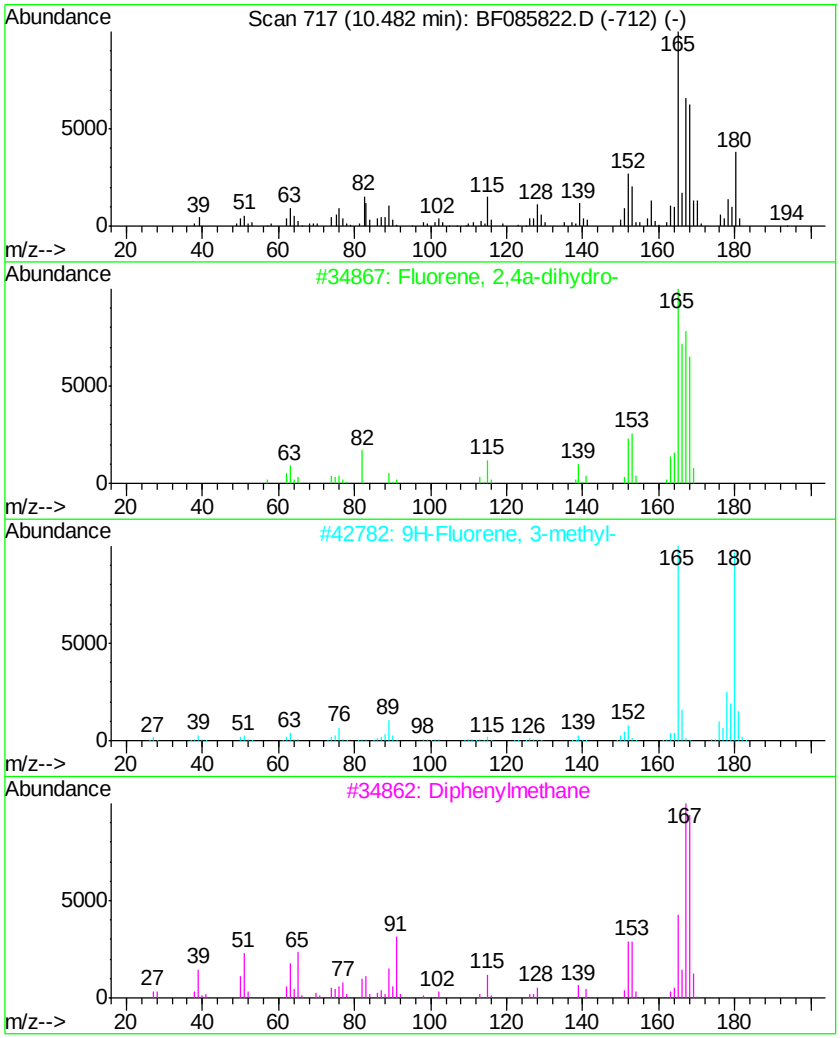
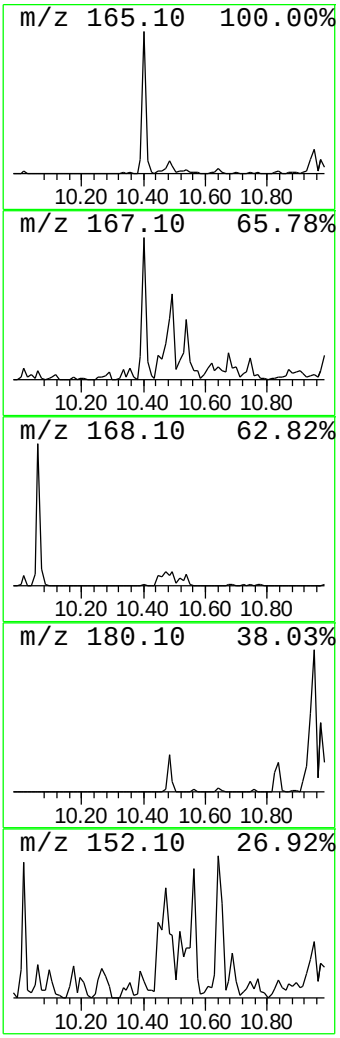
Peak Number 7 unknown10.48 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	7.56 ng	403825	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	46
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	46
3	Diphenylmethane	168	C13H12	000101-81-5	45
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	42
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	41





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TIC Integration Parameters: LSCINT.P

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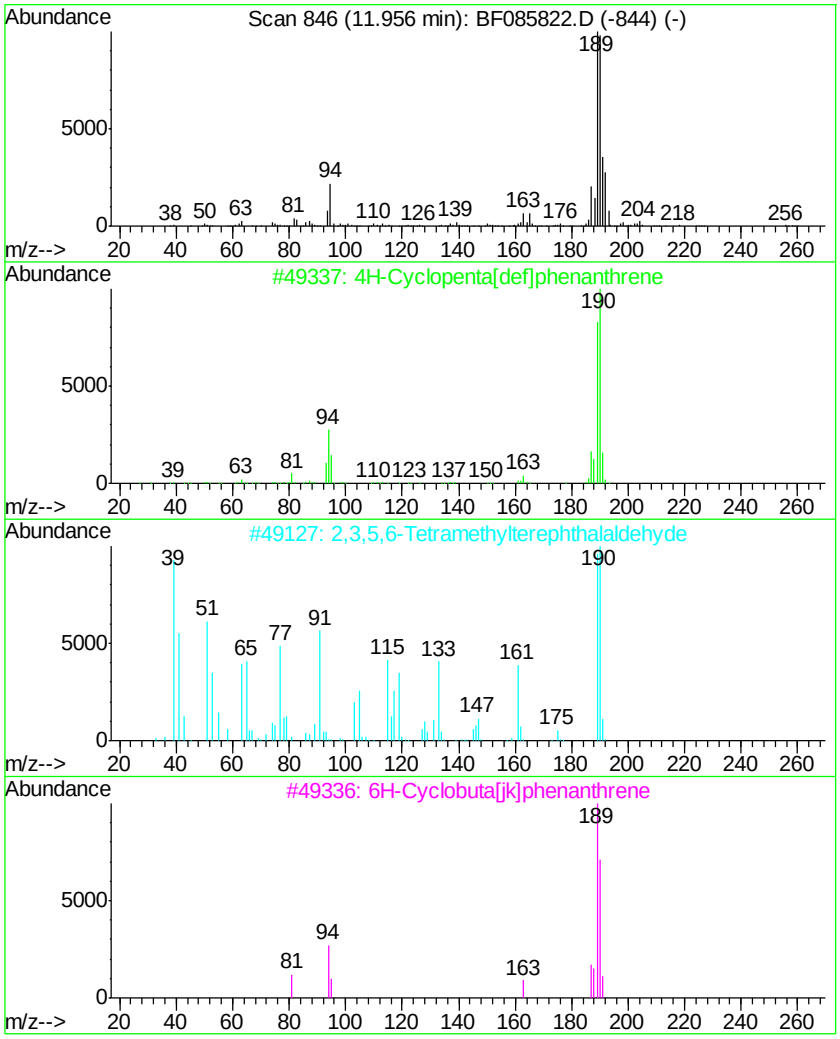
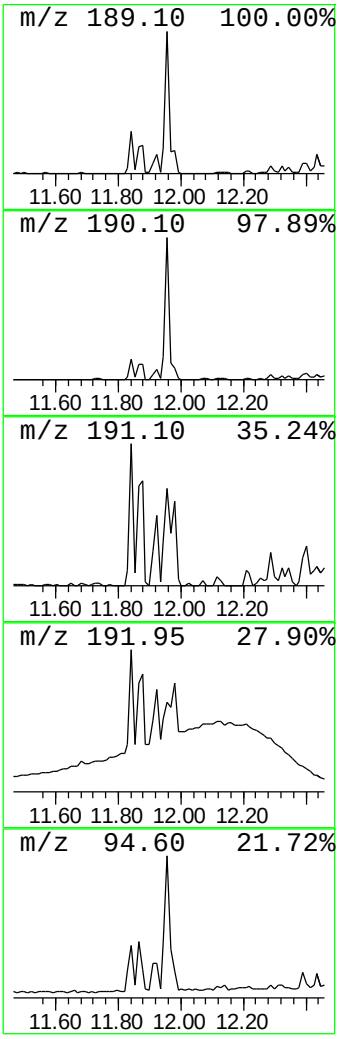
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	5.09 ng	1088560	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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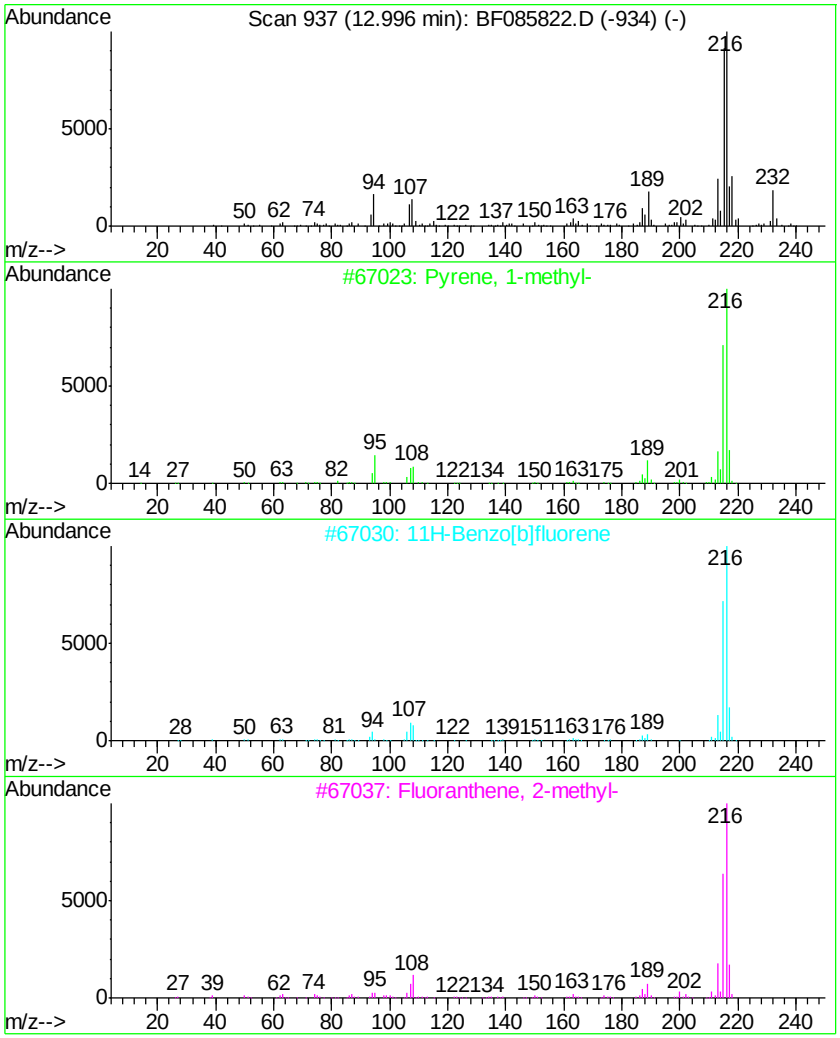
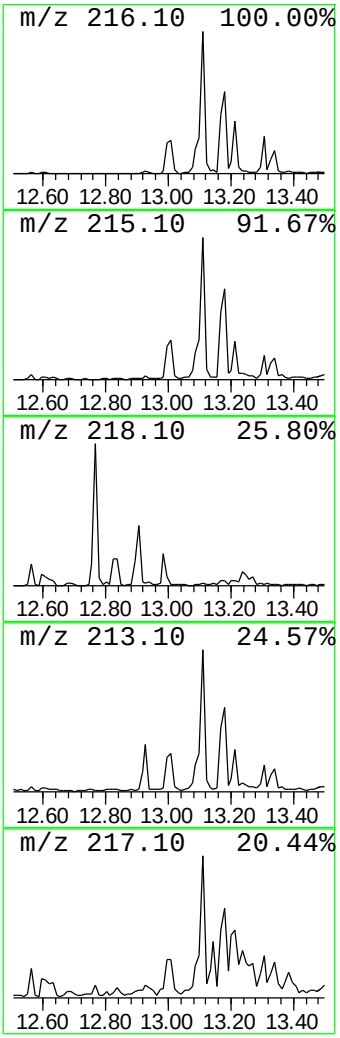
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	4.84 ng	396150	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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ClientSampleId : GW-04(2-3)

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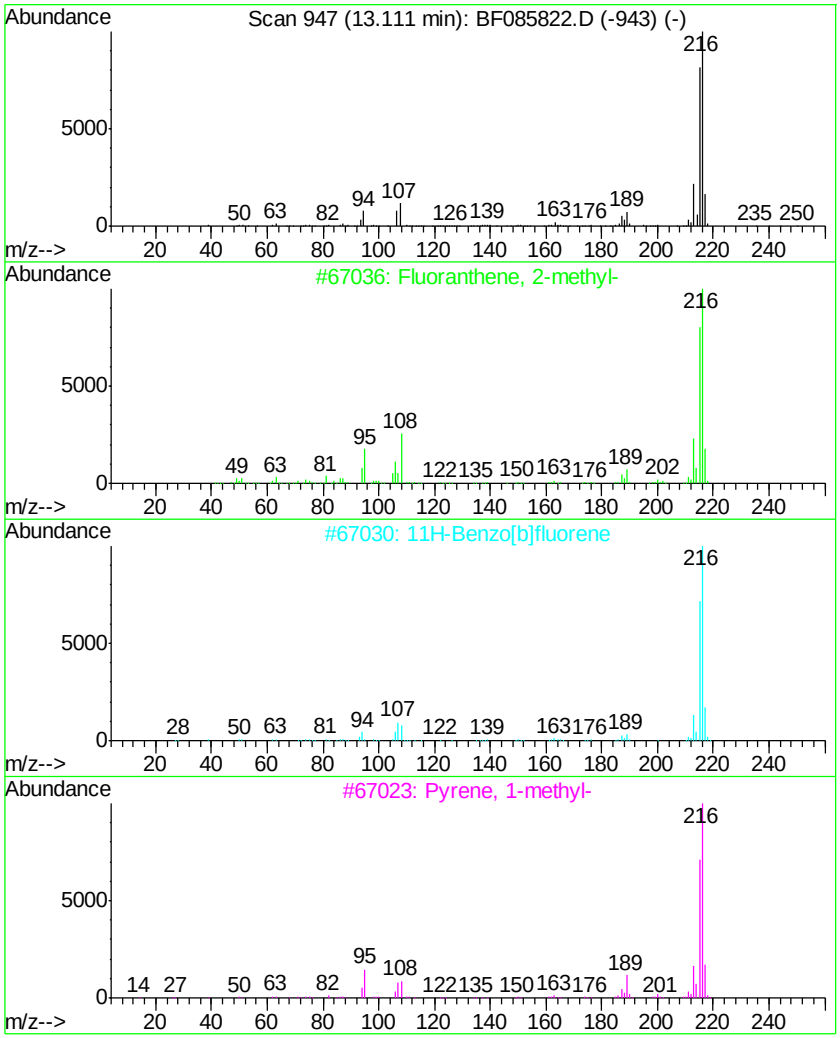
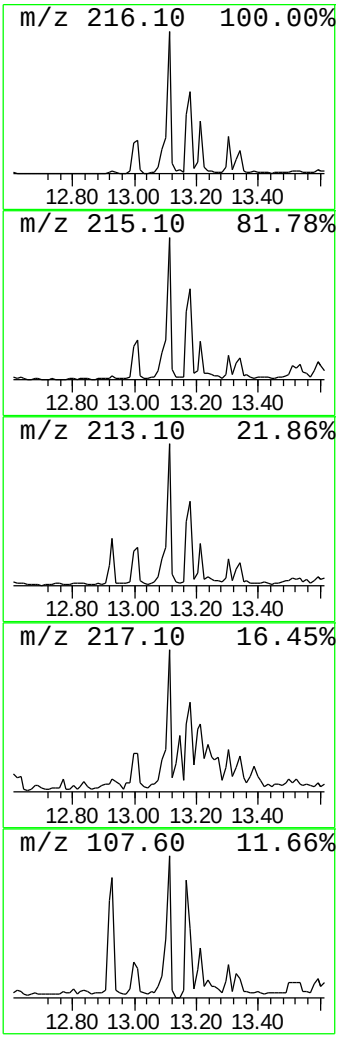
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	6.40 ng	523391	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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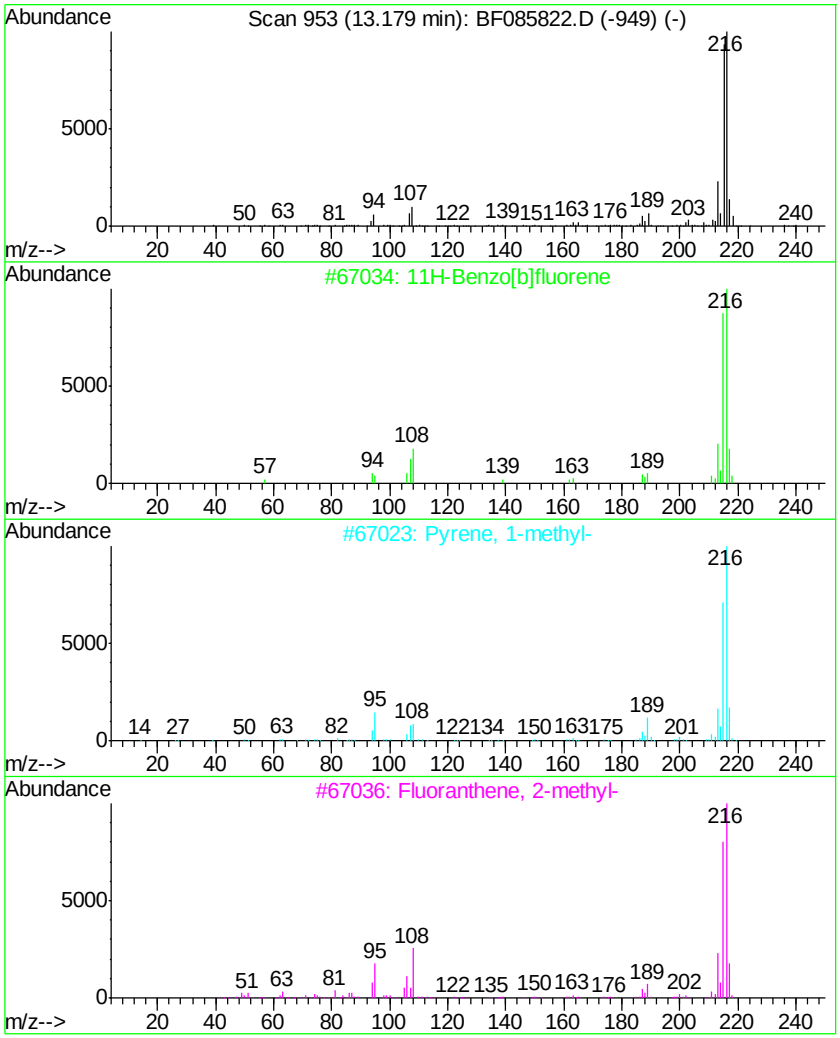
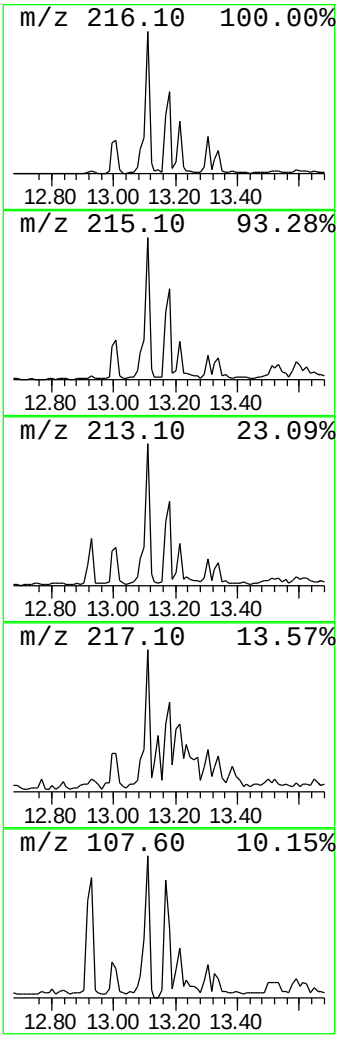
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	5.24 ng	428881	Chrysene-d12	13.98

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	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
4	Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	64
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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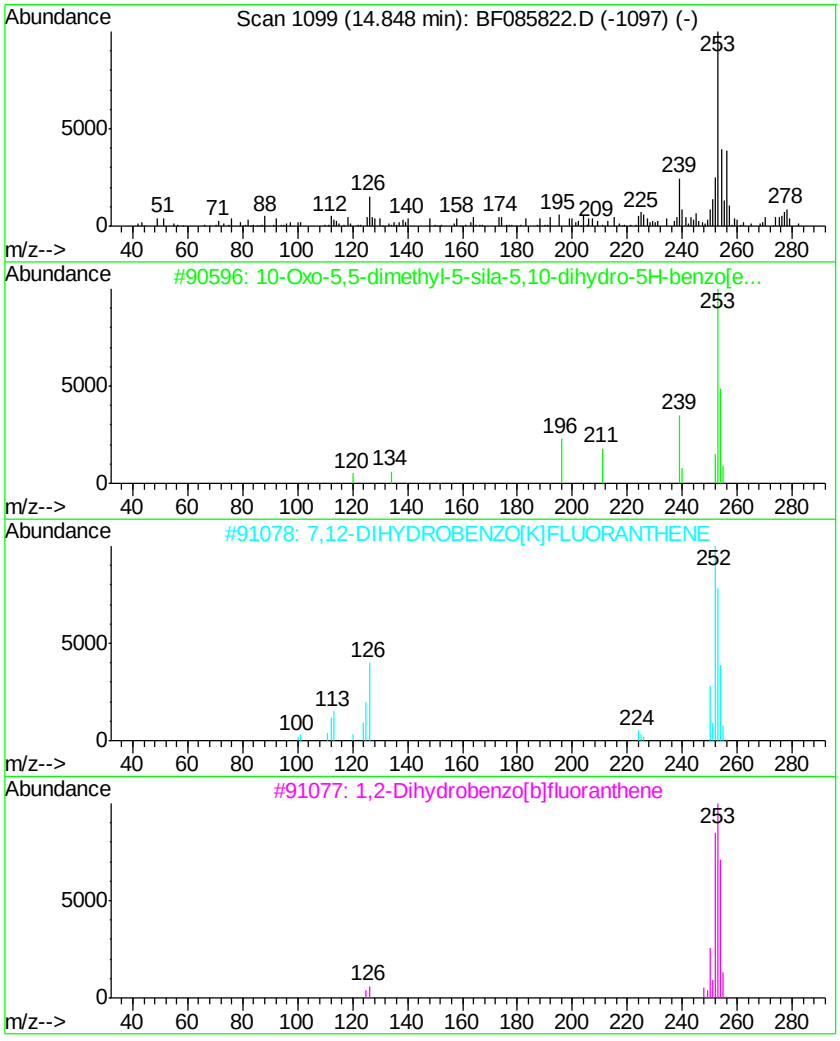
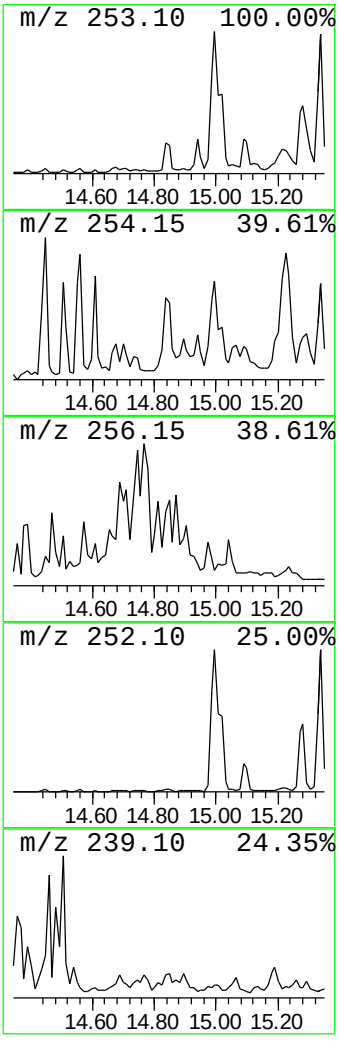
Peak Number 13 10-Oxo-5,5-dimethyl-5-sila-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	3.41 ng	93108	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	50
2	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	43
3	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	37
4	N-(4-Chloro-[1,2,3]dithiazol-5-y...	353	C14H9Cl2N3S2	1000294-66-5	37
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	35





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Misc :
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ClientSampleId : GW-04(2-3)

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TIC Library : C:\DATABASE\NIST02.L
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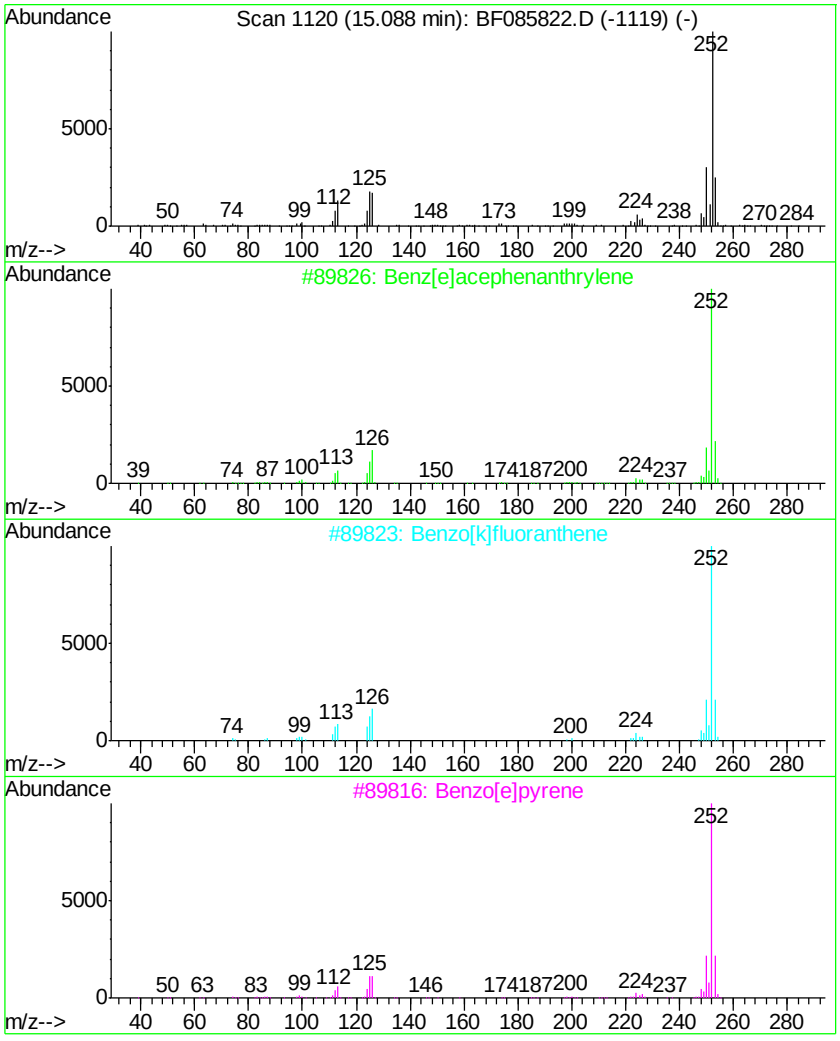
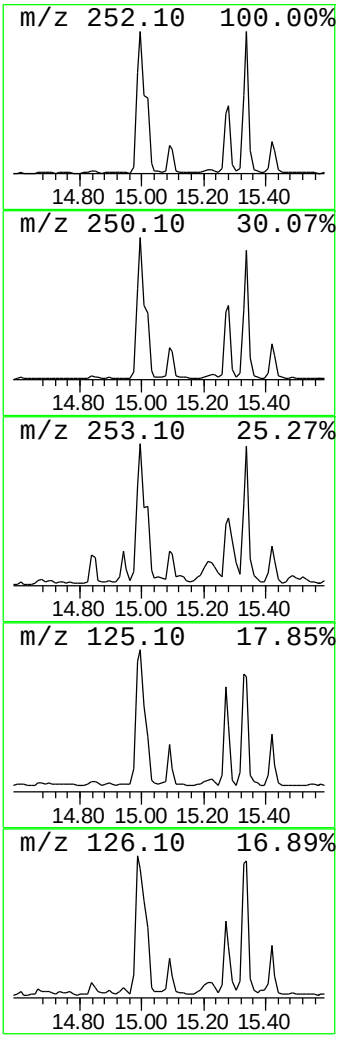
Peak Number 14 Benz[e]acephenanthrylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	4.55 ng	124198	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[e]pyrene	252	C20H12	000192-97-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





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Instrument : BNA_F
ClientSampleId : GW-04(2-3)

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TIC Integration Parameters: LSCINT.P

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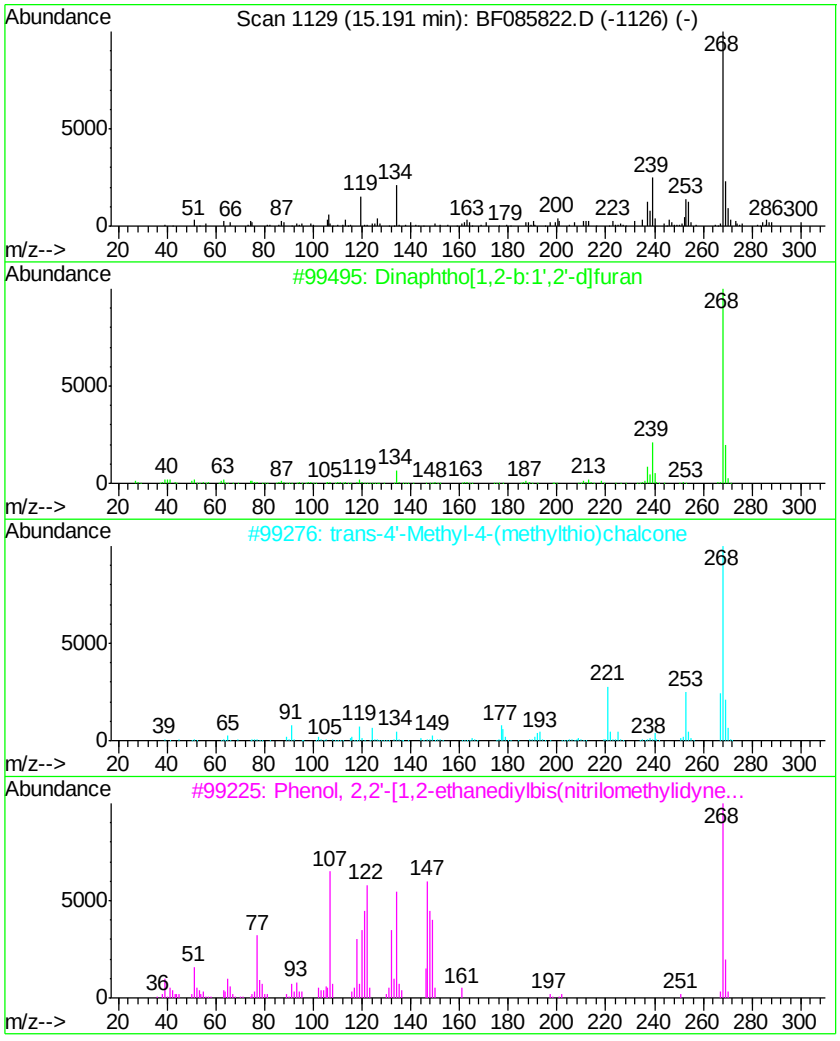
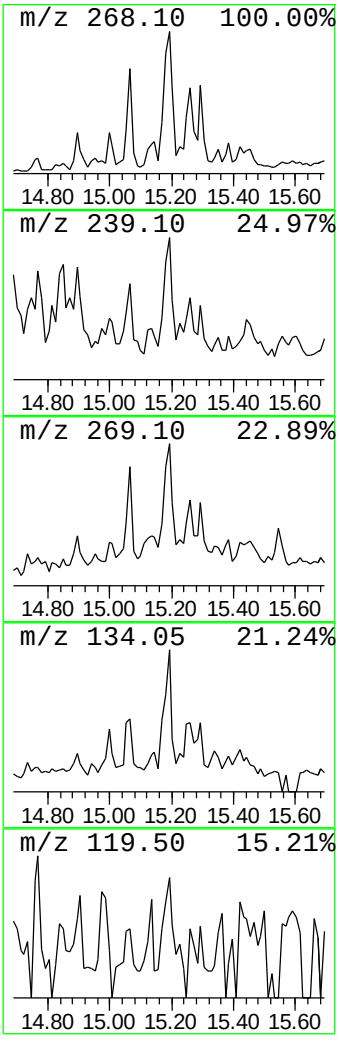
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	4.54 ng	123922	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	58
2	trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	53
3	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	50
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	50
5	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	50





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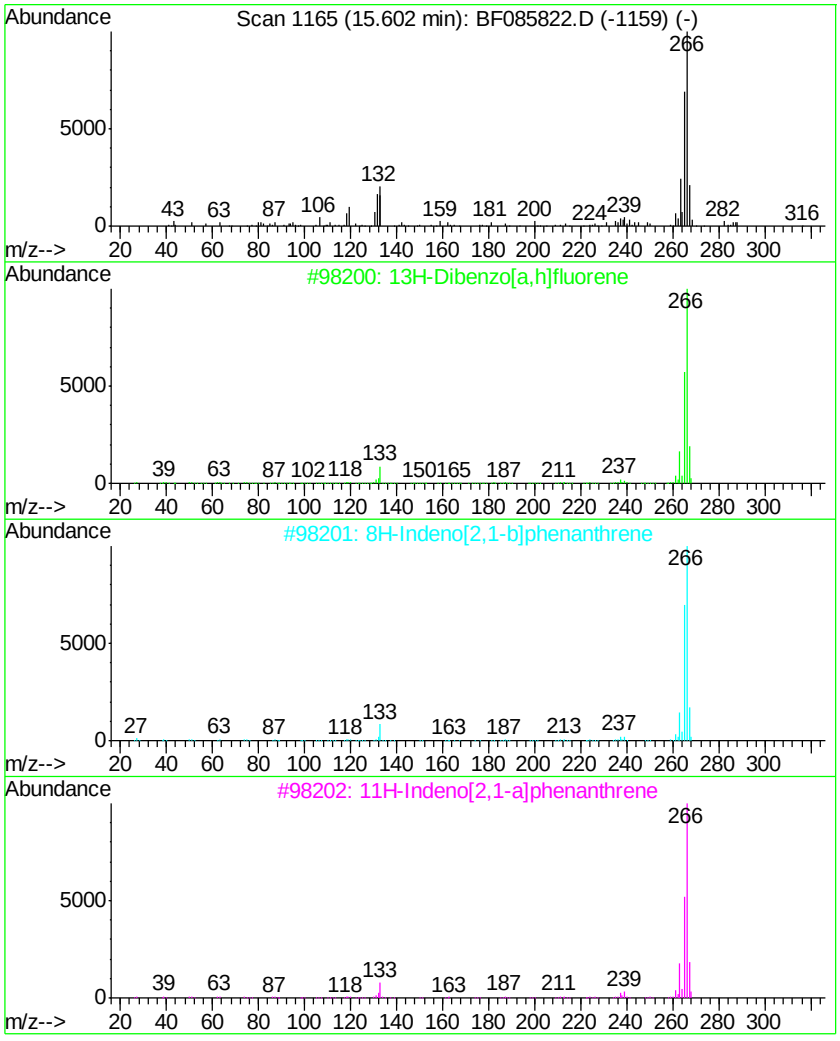
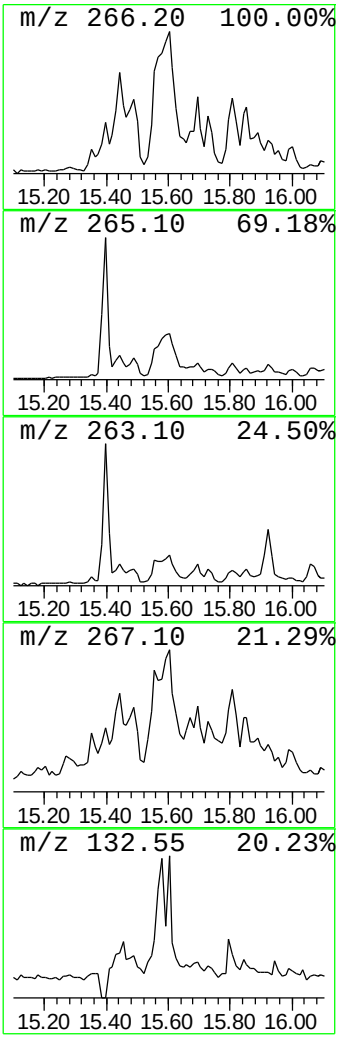
Peak Number 17 13H-Dibenzo[a,h]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	6.77 ng	184818	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	81
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	81
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	74
4	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	64
5	Perylene, 3-methyl-	266	C21H14	024471-47-4	62





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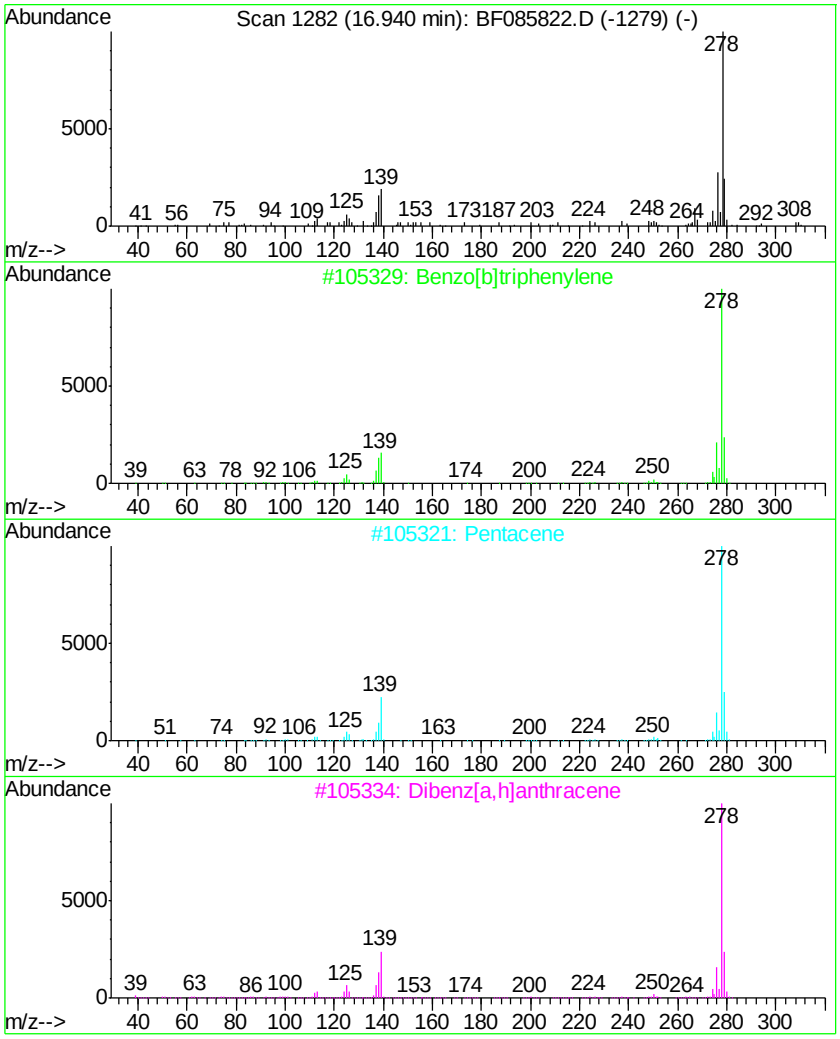
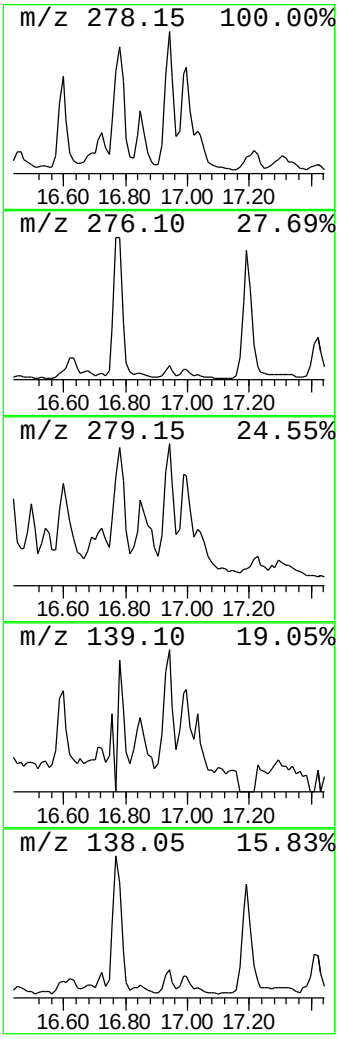
Peak Number 18 Benzo[b]triphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	3.86 ng	105432	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2	Pentacene	278	C22H14	000135-48-8	93
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91
4	Benzo[b]chrysene	278	C22H14	000214-17-5	89
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	89





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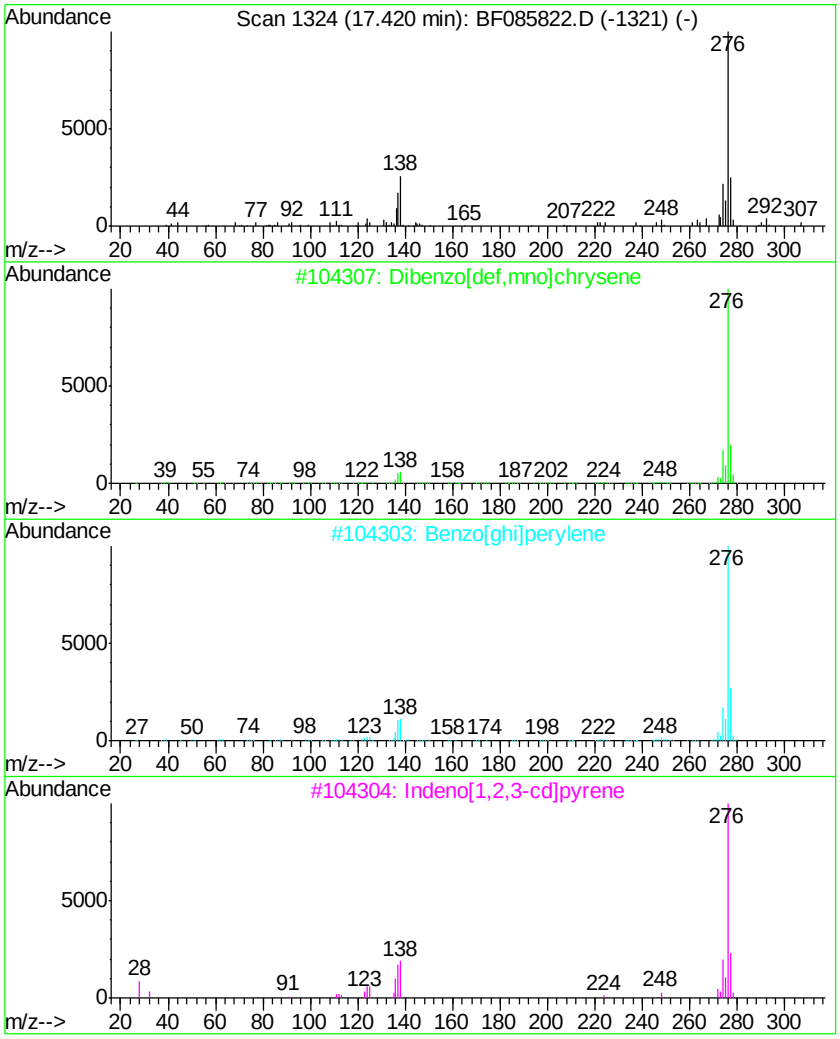
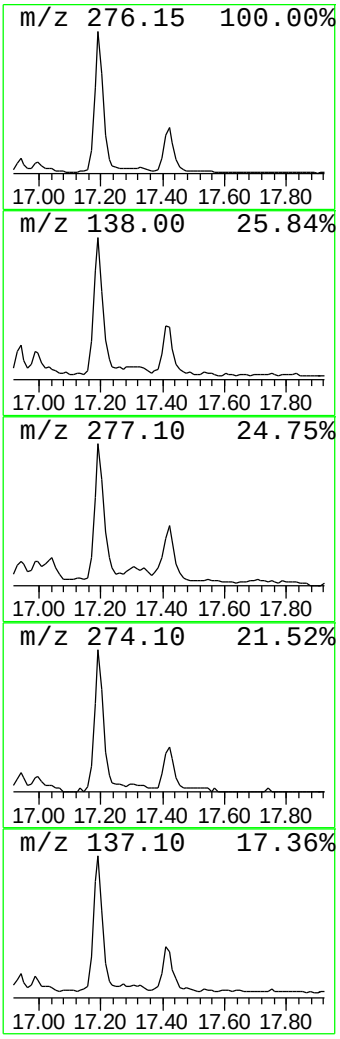
Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	6.07 ng	165701	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	90
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

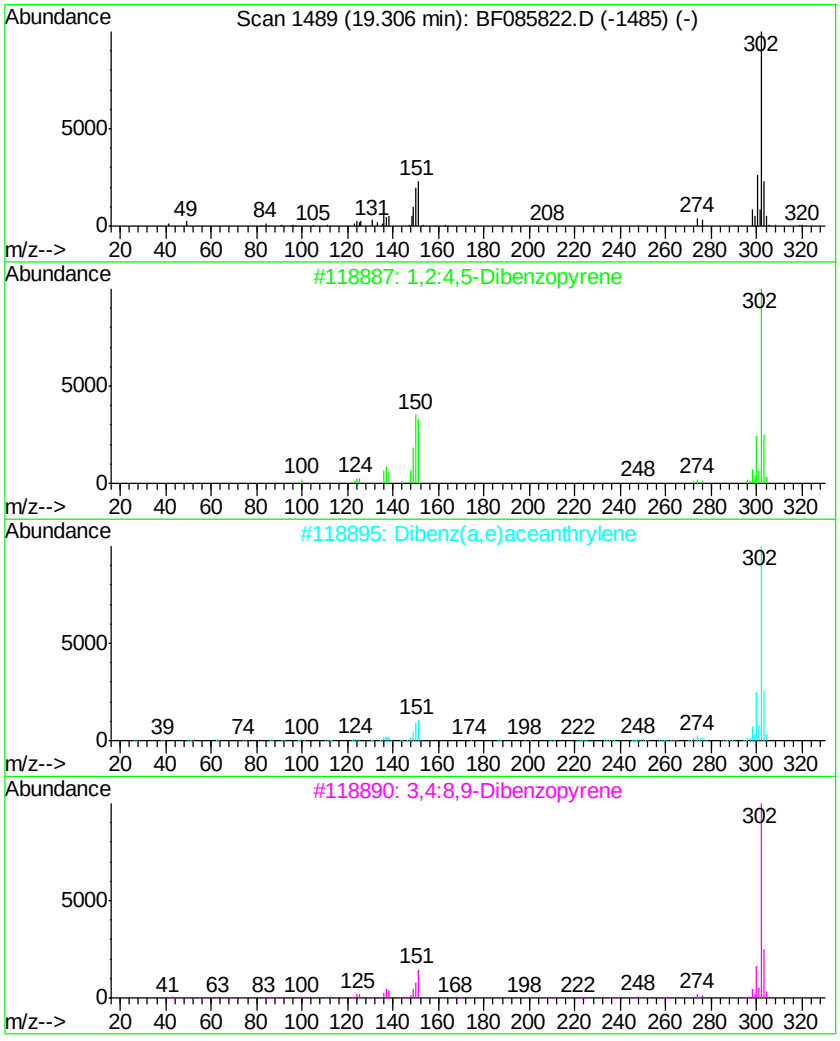
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

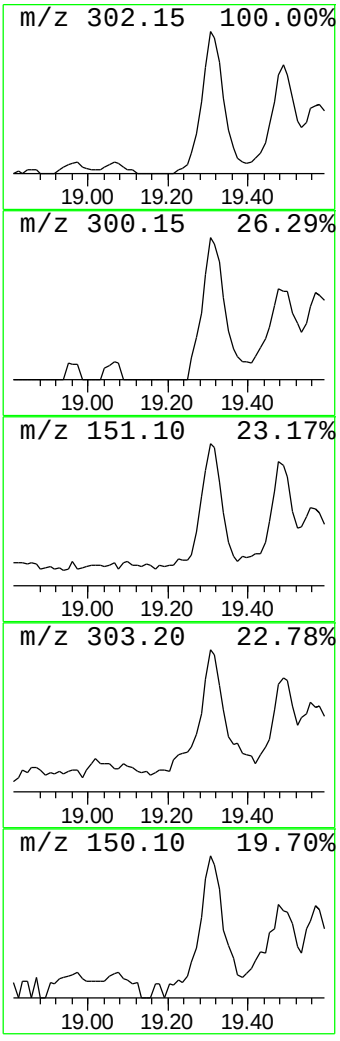
****

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	4.30 ng	117311	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	94
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
4	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	87
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085822.D
Acq On : 29 Mar 2016 1:01
Operator : UM/SJ
Sample : H1937-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.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...	5.00	39.8	ng	1337790	1	6.81	673011	20.0
2-Pentanone, 4-me...	5.82	4.2	ng	139816	1	6.81	673011	20.0
unknown6.58	6.58	75.1	ng	2528230	1	6.81	673011	20.0
Benzene, 1-methyl...	6.89	4.9	ng	166154	1	6.81	673011	20.0
Naphthalene, 2,6-...	9.51	4.3	ng	230647	3	9.85	1068850	20.0
unknown10.48	10.48	7.6	ng	403825	3	9.85	1068850	20.0
4H-Cyclopenta[def...	11.96	5.1	ng	1088560	4	11.34	4281370	20.0
Pyrene, 1-methyl-	13.00	4.8	ng	396150	5	13.98	1636210	20.0
Fluoranthene, 2-m...	13.11	6.4	ng	523391	5	13.98	1636210	20.0
11H-Benzo[b]fluorene	13.18	5.2	ng	428881	5	13.98	1636210	20.0
10-Oxo-5,5-dimeth...	14.85	3.4	ng	93108	6	15.40	545801	20.0
Benz[e]acephenant...	15.09	4.5	ng	124198	6	15.40	545801	20.0
Dinaphtho[1,2-b:1...	15.19	4.5	ng	123922	6	15.40	545801	20.0
13H-Dibenzo[a,h]f...	15.60	6.8	ng	184818	6	15.40	545801	20.0
Benzo[b]triphenylene	16.94	3.9	ng	105432	6	15.40	545801	20.0
Dibenzo[def,mno]c...	17.42	6.1	ng	165701	6	15.40	545801	20.0
1,2:4,5-Dibenzopy...	19.31	4.3	ng	117311	6	15.40	545801	20.0