LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

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-BF120916.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	2.224	9	12	25	rVB2	240345	479120	4.50%	0.312%
2	3.070	85	86	106	rBV2	150563	466840	4.39%	0.304%
3	4.956	248	251	253	rBV	1055005	1376117	12.93%	0.896%
4	5.390	287	289	292	rVB	3519928	3346619	31.45%	2.179%
5	6.316	369	370	375	rVB3	55038	113261	1.06%	0.074%
6	6.430	378	380	383	rBV	2750595	3519067	33.07%	2.291%
7	6.567	389	392	394	rVB	3218051	3672829	34.51%	2.392%
8	6.636	394	398	400	rVB2	98402	152189	1.43%	0.099%
9	6.796	410	412	414	rBV	2046337	1805713	16.97%	1.176%
10	6.944	423	425	428	rVV	1996130	2776937	26.10%	1.808%
11	7.356	458	461	463	rBV	2596958	2272595	21.36%	1.480%
12	7.402	463	465	467	rVV	132431	114760	1.08%	0.075%
13	7.447	467	469	471	rVB2	92664	109659	1.03%	0.071%
14	7.722	487	493	496	rBV5	45063	116936	1.10%	0.076%
15	7.824	498	502	506	rVV5	106920	184239	1.73%	0.120%
16	8.076	522	524	530	rBV2	2060391	2859763	26.87%	1.862%
17	8.796	584	587	589	rVB	276703	253847	2.39%	0.165%
18	8.842	589	591	594	rBV	186616	264371	2.48%	0.172%
19	8.887	594	595	597	rVB	151689	169074	1.59%	0.110%
20	9.162	616	619	621	rVB	4017616	3859579	36.27%	2.513%
21	9.265	621	628	630	rBV	1382892	1422152	13.36%	0.926%
22	9.356	634	636	638	rVB	100399	115477	1.09%	0.075%
23	9.425	638	642	643	rBV	123450	231128	2.17%	0.151%
24	9.493	645	648	649	rVV	215367	200124	1.88%	0.130%
25	9.550	652	653	656	rVB	350753	379254	3.56%	0.247%
26	9.687	663	665	667	rVB	2824778	3128498	29.40%	2.037%
27	9.836	675	678	679	rBV	2569412	2303508	21.65%	1.500%
28	9.870	679	681	682	rVV	887627	977652	9.19%	0.637%
29	9.962	686	689	690	rVV	2743630	3170817	29.80%	2.065%
30	10.042	693	696	698	rBV	665871	765544	7.19%	0.498%
31	10.259	711	715	718	rBV3	154256	374521	3.52%	0.244%
32	10.373	722	725	728	rVB2	466660	809803	7.61%	0.527%
33	10.442	729	731	732	rBV	120677	173120	1.63%	0.113%
34	10.510	734	737	738	rBV2	86193	129436	1.22%	0.084%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

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-BF120916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.533	738	739	741	rVB	241001	246398	2.32%	0.160%
36	10.613	744	746	749	rBV	1255194	1853711	17.42%	1.207%
37	10.750	755	758	763	rBV3	253257	449892	4.23%	0.293%
38	10.853	763	767	770	rBV	205310	493843	4.64%	0.322%
39	10.933	770	774	775	rBV4	126150	322817	3.03%	0.210%
40	11.013	777	781	783	rBV3	263285	419842	3.95%	0.273%
41	11.082	783	787	788	rBV2	127615	212975	2.00%	0.139%
42	11.116	788	790	793	rVB	775395	927809	8.72%	0.604%
43	11.185	793	796	802	rBV3	2816588	3955975	37.18%	2.576%
44	11.345	806	810	812	rBV2	7488999	10099849	94.91%	6.577%
45	11.390	812	814	816	rBV	2191814	2072018	19.47%	1.349%
46	11.493	819	823	825	rBV3	170494	452044	4.25%	0.294%
47	11.550	825	828	829	rBV2	971364	1289363	12.12%	0.840%
48	11.619	832	834	835	rBV	290276	340353	3.20%	0.222%
49	11.779	846	848	849	rBV2	214993	375651	3.53%	0.245%
50	11.825	849	852	853	rVV	742808	1268566	11.92%	0.826%
51	11.871	853	856	859	rVV3	1744088	3979765	37.40%	2.591%
52	11.928	859	861	866	rVB3	1181255	2207040	20.74%	1.437%
53	12.133	876	879	883	rBV2	1029970	2284851	21.47%	1.488%
54	12.373	898	900	902	rBV	530538	595623	5.60%	0.388%
55	12.453	906	907	909	rVB	956065	864508	8.12%	0.563%
56	12.545	911	915	916	rBV	8129150	10641475	100.00%	6.929%
57	12.591	916	919	921	rVB2	273317	531766	5.00%	0.346%
58	12.648	922	924	925	rBV	507656	587527	5.52%	0.383%
59	12.773	931	935	936	rBV2	6248774	10367126	97.42%	6.751%
60	12.808	936	938	942	rVB	522640	704356	6.62%	0.459%
61	12.911	942	947	950	rBV3	2379781	3929501	36.93%	2.559%
62	12.979	950	953	959	rBV3	677890	1982218	18.63%	1.291%
63	13.151	966	968	970	rBV	778349	729906	6.86%	0.475%
64	13.196	970	972	975	rBV2	748017	1255394	11.80%	0.817%
65	13.402	988	990	994	rVB3	555930	869233	8.17%	0.566%
66	13.494	996	998	1003	rVB3	539243	958816	9.01%	0.624%
67	13.596	1005	1007	1010	rBV	1441352	1562547	14.68%	1.017%
68	13.711	1014	1017	1018	rBV2	955479	1411938	13.27%	0.919%
69	13.802	1024	1025	1029	rVB2	1147799	1910947	17.96%	1.244%
70	13.951	1035	1038	1040	rBV2	5590781	9811646	92.20%	6.389%
71	13.996	1040	1042	1044	rVB	4171554	5045252	47.41%	3.285%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

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-BF120916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.351	1071	1073	1074	rVB	663814	627091	5.89%	0.408%
73	14.442	1079	1081	1082	rBV2	966585	958029	9.00%	0.624%
74	14.991	1126	1129	1133	rBV	3443720	7874519	74.00%	5.128%
75	15.082	1136	1137	1139	rVB	974909	865660	8.13%	0.564%
76	15.277	1151	1154	1156	rVB	1661680	2819001	26.49%	1.836%
77	15.334	1156	1159	1162	rVB	2769573	3547249	33.33%	2.310%
78	15.391	1162	1164	1165	rBV	627008	1074859	10.10%	0.700%
79	16.762	1281	1284	1288	rVB2	1539311	2886297	27.12%	1.879%
80	16.922	1295	1298	1300	rBV	351234	725312	6.82%	0.472%
81	17.174	1316	1320	1324	rVB	1113316	2461923	23.14%	1.603%
82	17.380	1336	1338	1343	rVB2	286003	624967	5.87%	0.407%

Sum of corrected areas: 153571997

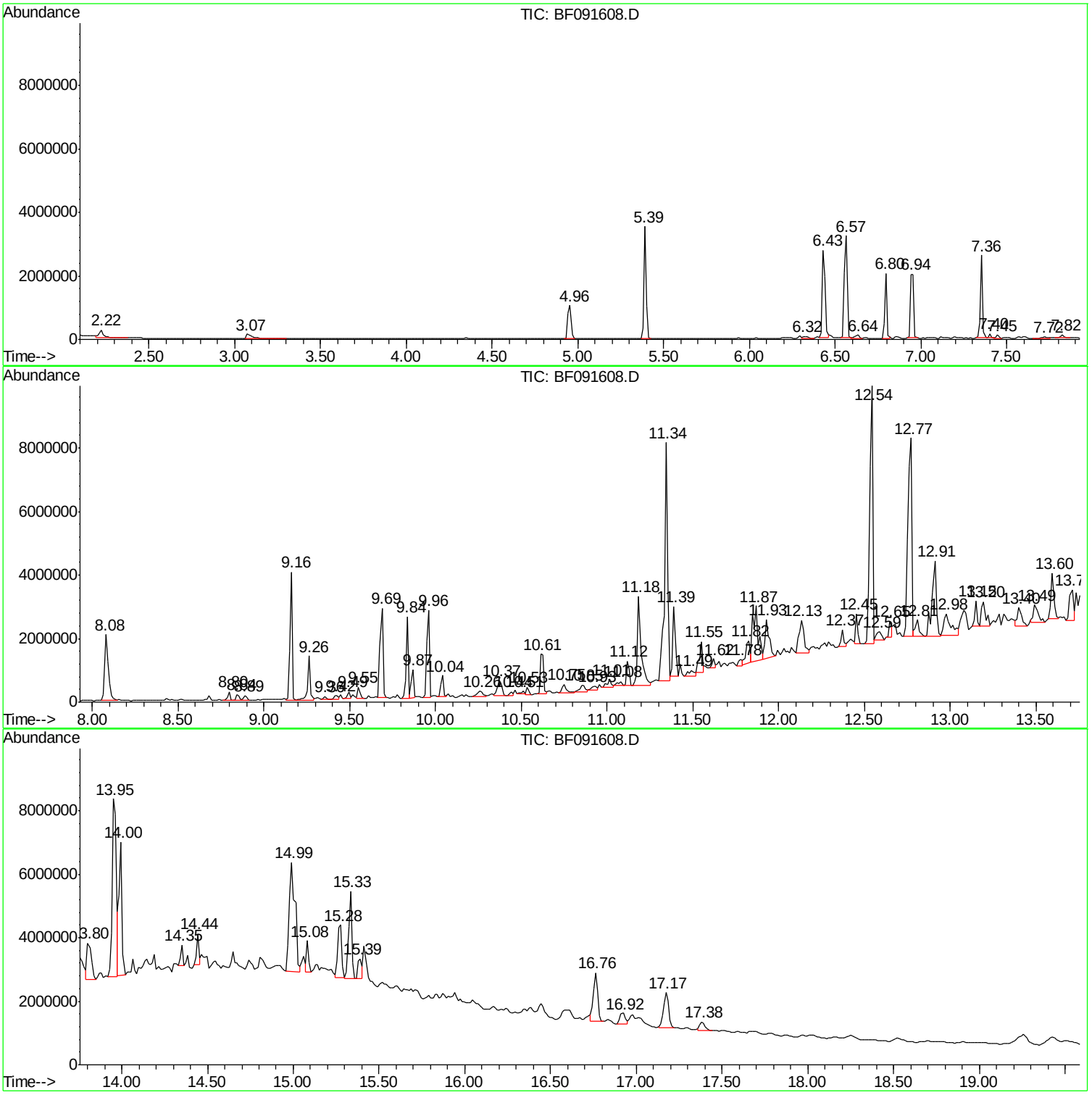
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

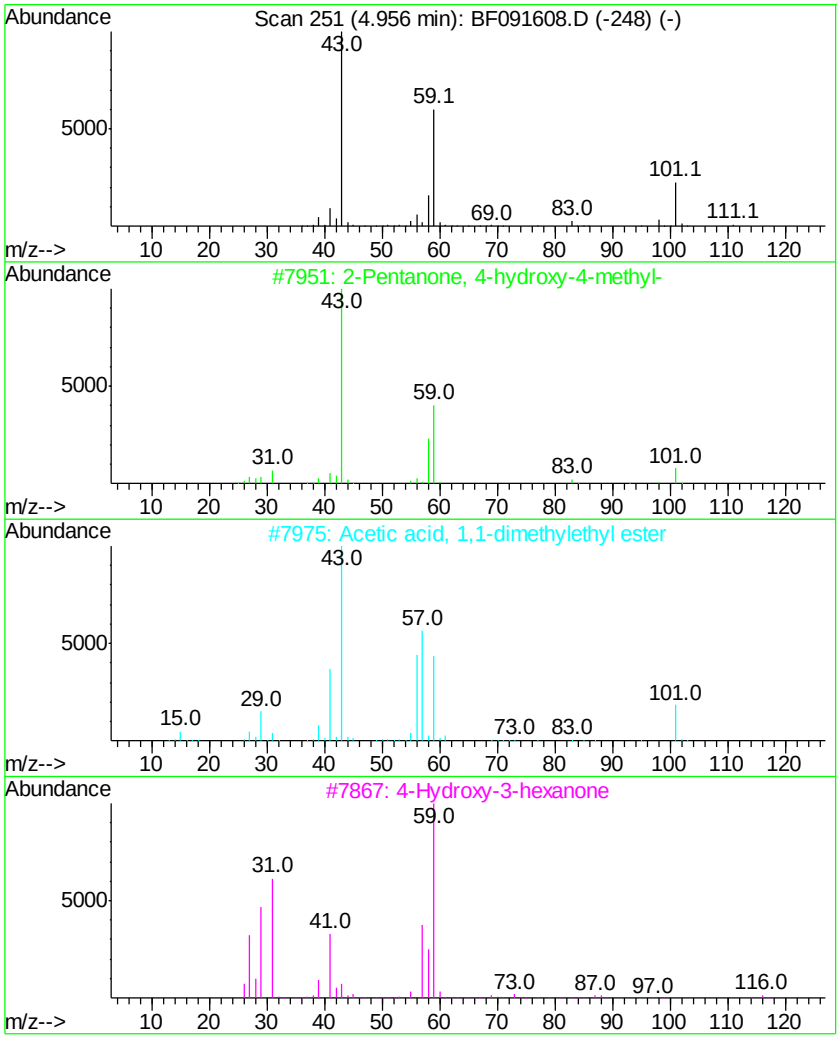
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

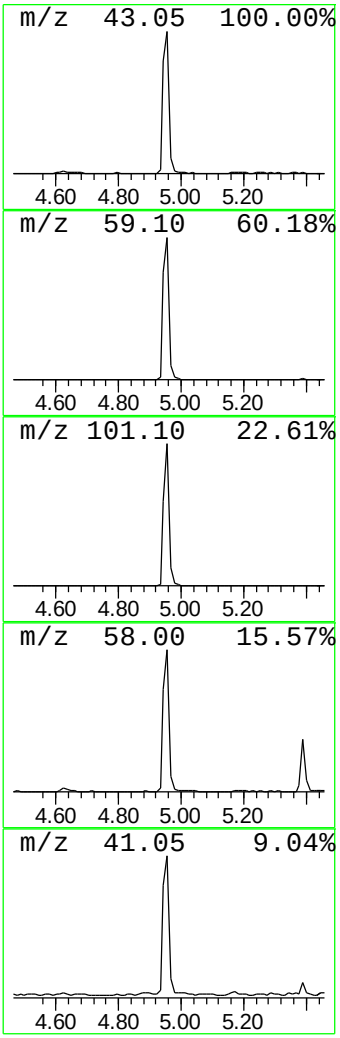
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	15.24 ng	1376120	1,4-Dichlorobenzene-d4	6.80

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, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

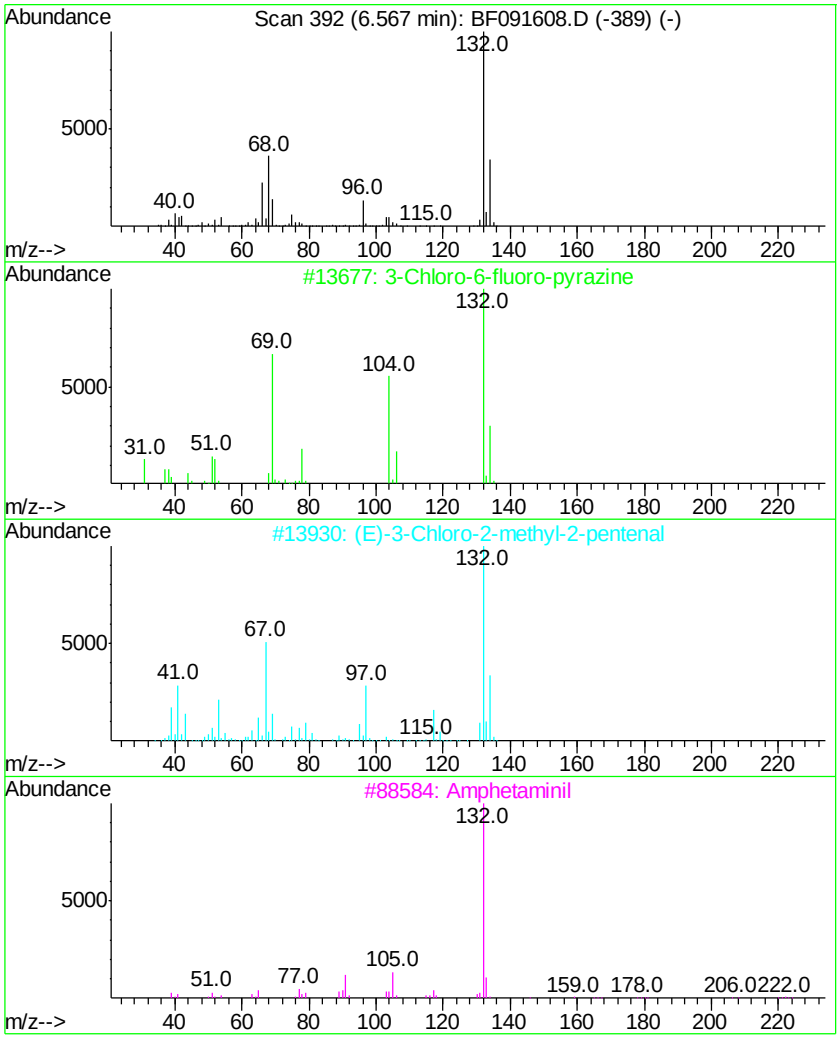
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

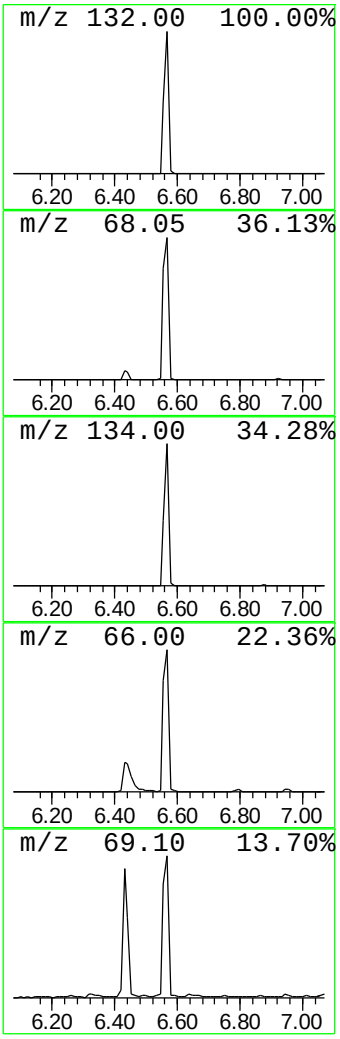
****

Peak Number 3 unknown6.57 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	40.68 ng	3672830	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

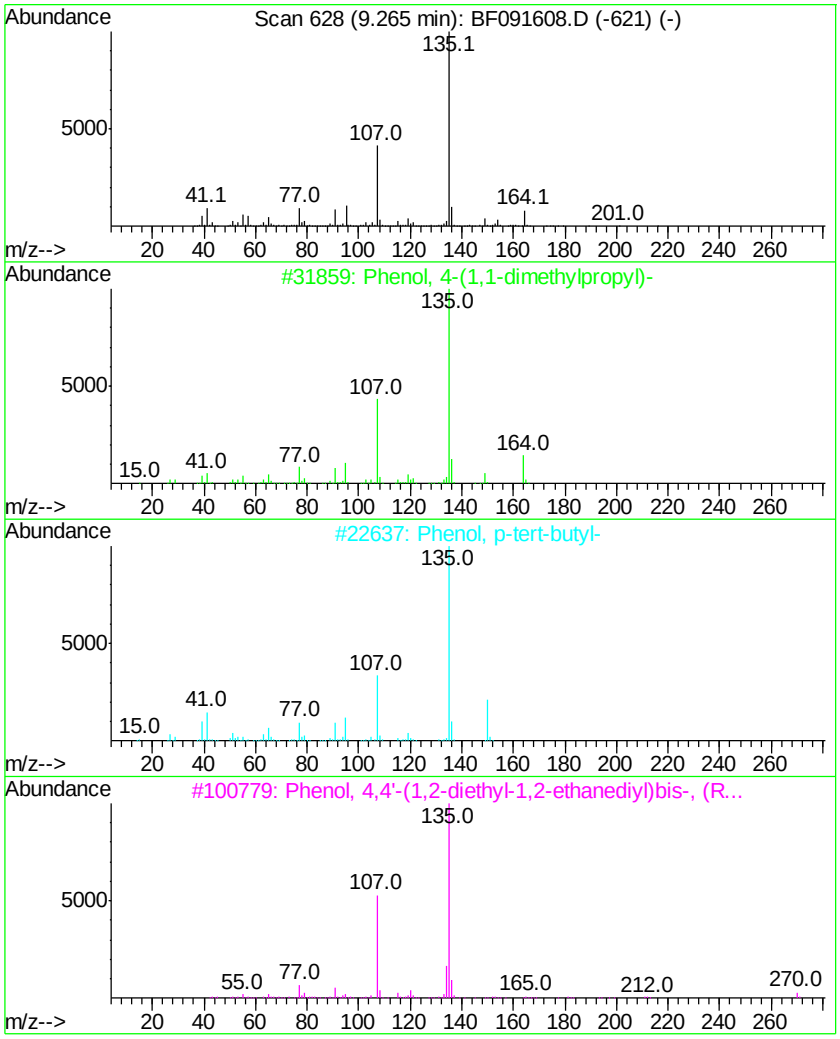
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

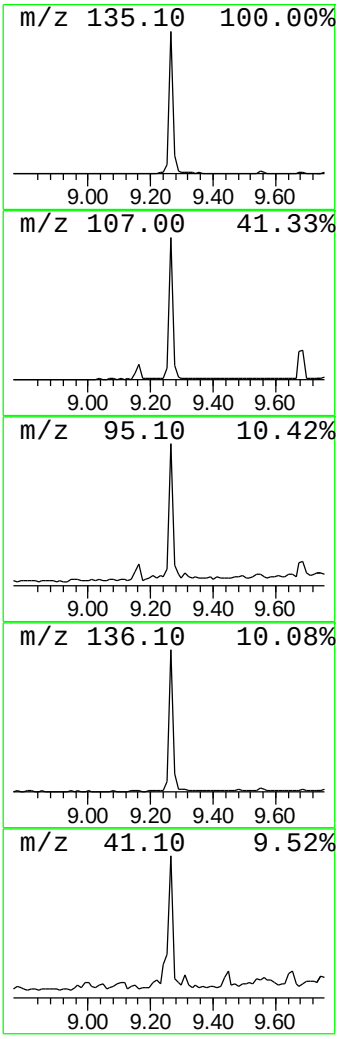
****

Peak Number 5 Phenol, 4-(1,1-dimethylprop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	12.35 ng	1422150	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	93
2	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	86
3	Phenol, 4,4'-(1,2-diethyl-1,2-et...	270	C18H22O2	000084-16-2	72
4	Hexestrol	270	C18H22O2	005635-50-7	64
5	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

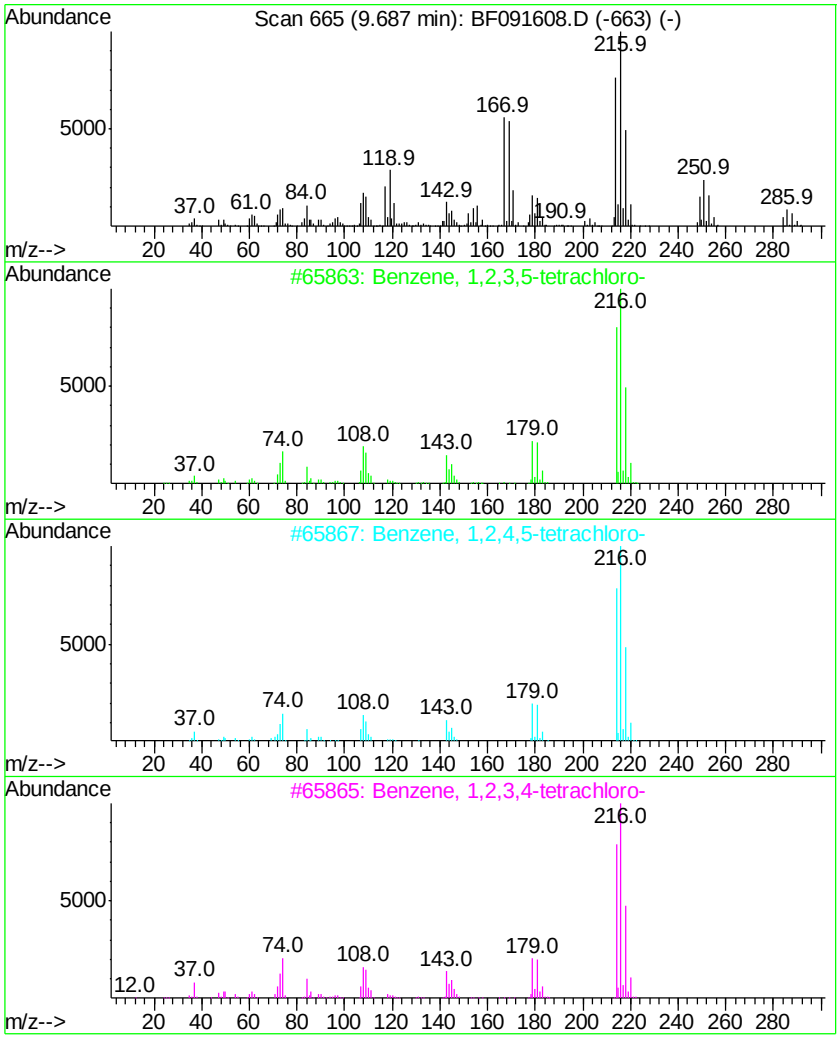
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

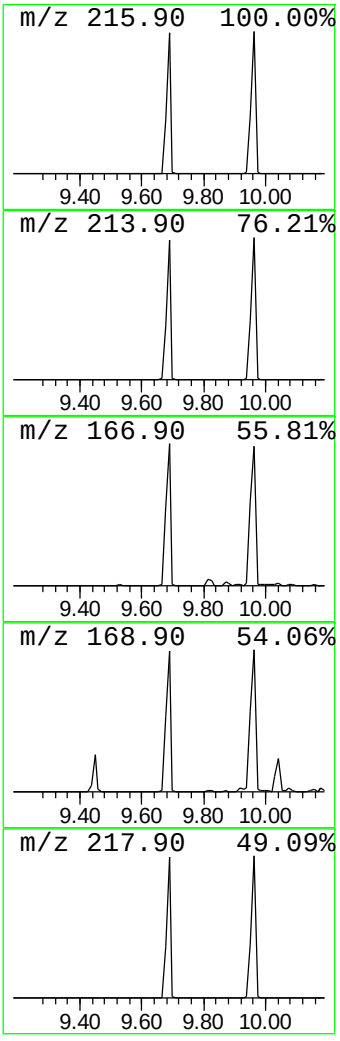
****

Peak Number 6 Benzene, 1,2,3,5-tetrachloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	27.16 ng	3128500	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetrachloro-	214	C6H2Cl4	000634-90-2	97
2	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	96
3	Benzene, 1,2,3,4-tetrachloro-	214	C6H2Cl4	000634-66-2	87
4	Allopurirol, 7-bromo-	214	C5H3BrN4O	020419-67-4	38
5	Imidazole, 4-bromo-2-trifluorome...	214	C4H2BrF3N2	219534-98-2	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

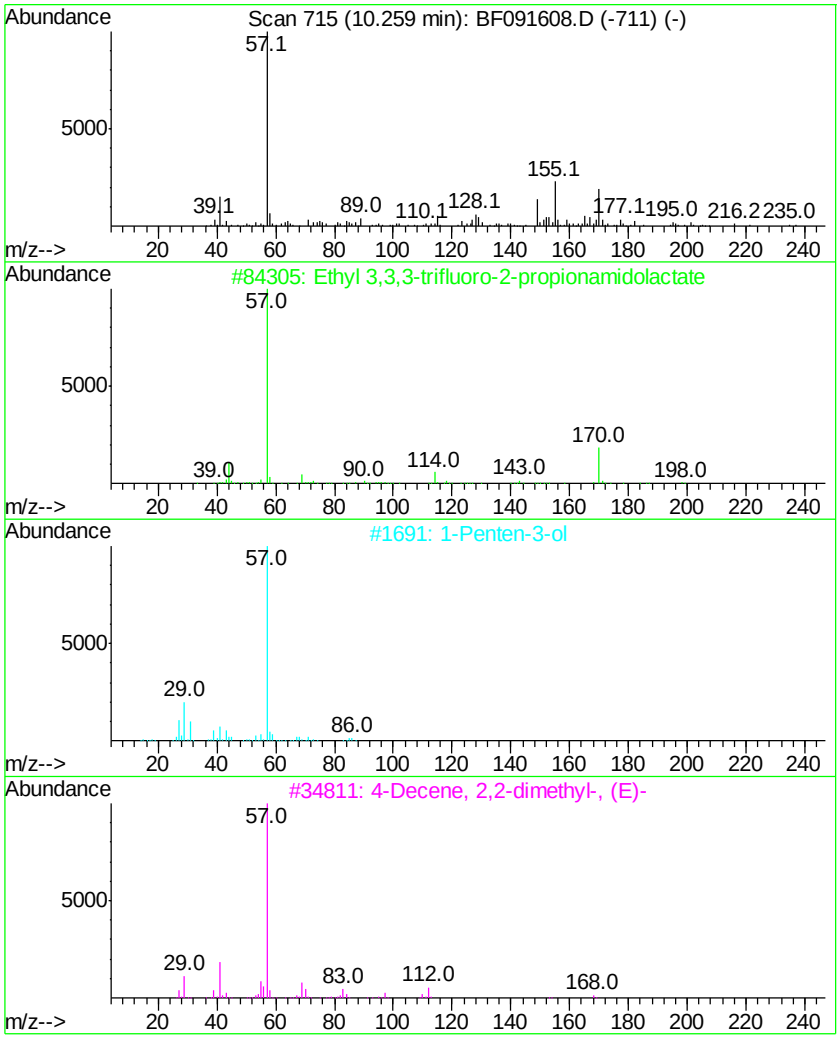
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

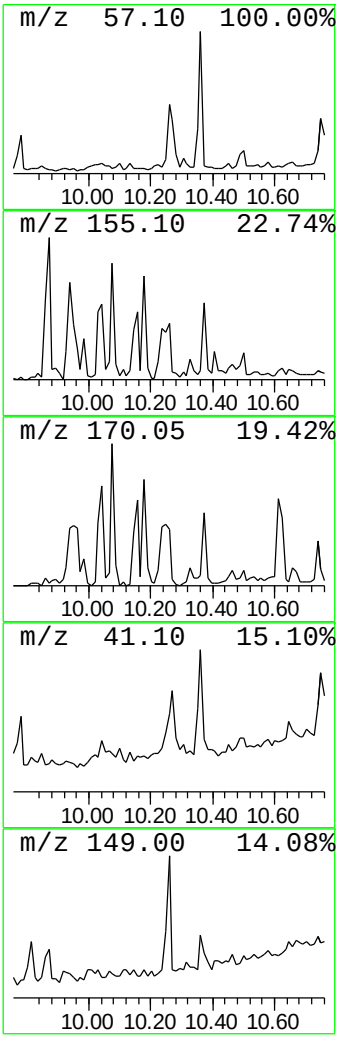
****

Peak Number 8 unknown10.26 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	3.25 ng	374521	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl 3,3,3-trifluoro-2-propiona...	243	C8H12F3NO4	339335-95-4	12
2	1-Penten-3-ol	86	C5H10O	000616-25-1	9
3	4-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055534-69-5	9
4	Nonanal	142	C9H18O	000124-19-6	9
5	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	164	C12H20	055976-09-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

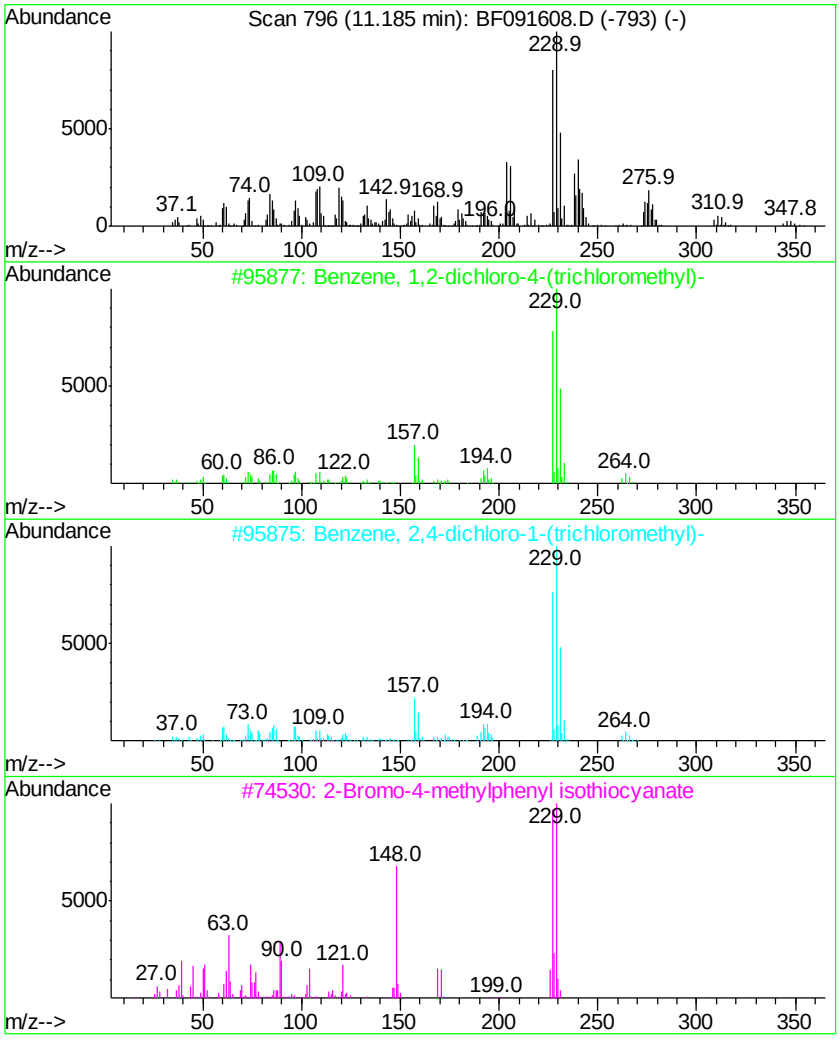
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

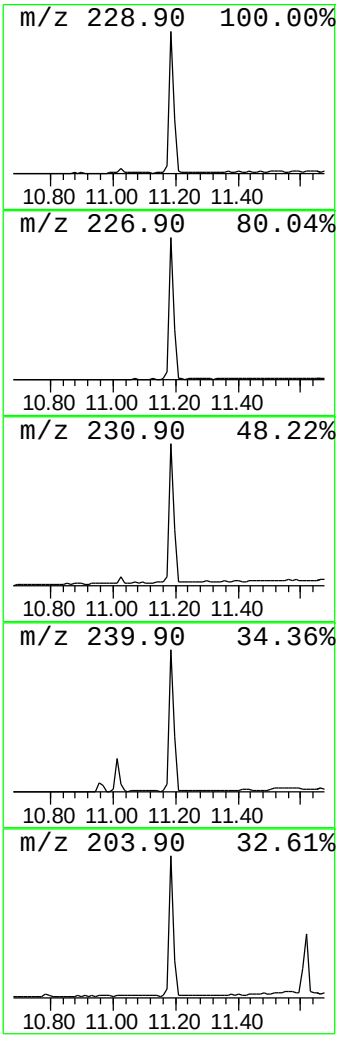
****

Peak Number 10 unknown11.18 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	7.83 ng	3955980	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-4-(trichlo...	262	C7H3Cl5	013014-24-9	47
2	Benzene, 2,4-dichloro-1-(trichlo...	262	C7H3Cl5	013014-18-1	47
3	2-Bromo-4-methylphenyl isothiocy...	227	C8H6BrNS	019241-39-5	32
4	2,4-Bis(trifluoromethyl)benzyl b...	306	C9H5BrF6	140690-56-8	12
5	Phenol, 2,4,6-trinitro-	229	C6H3N3O7	000088-89-1	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

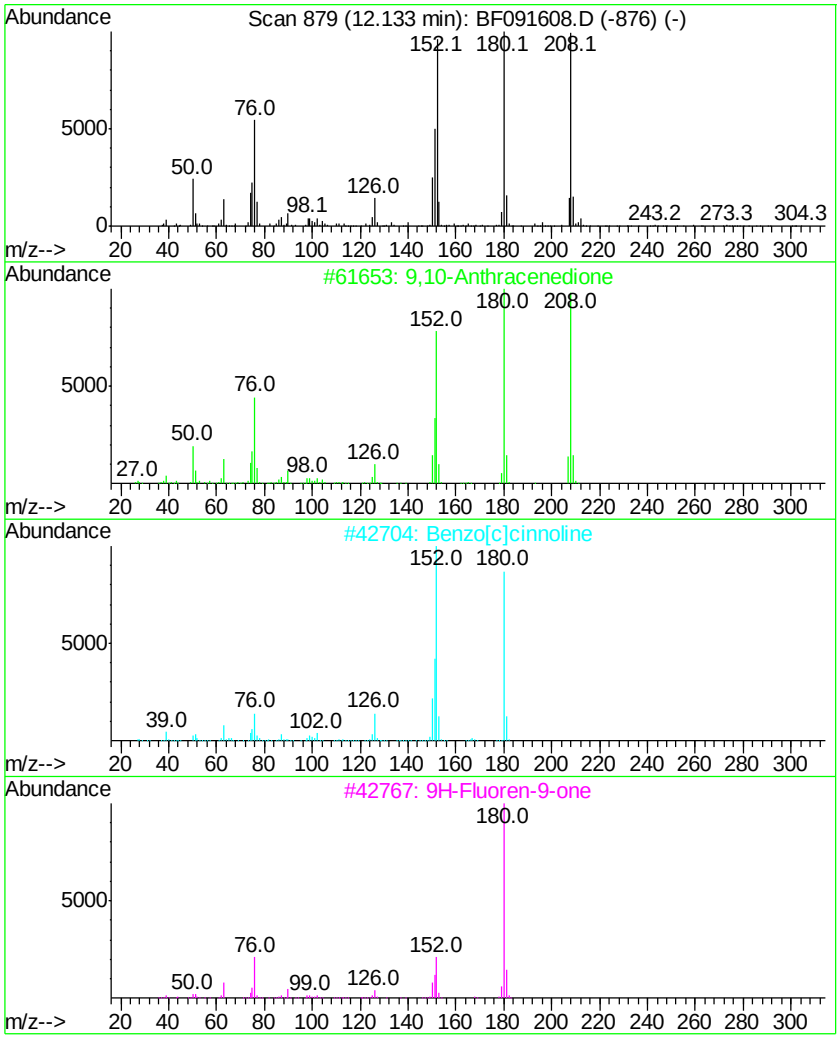
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

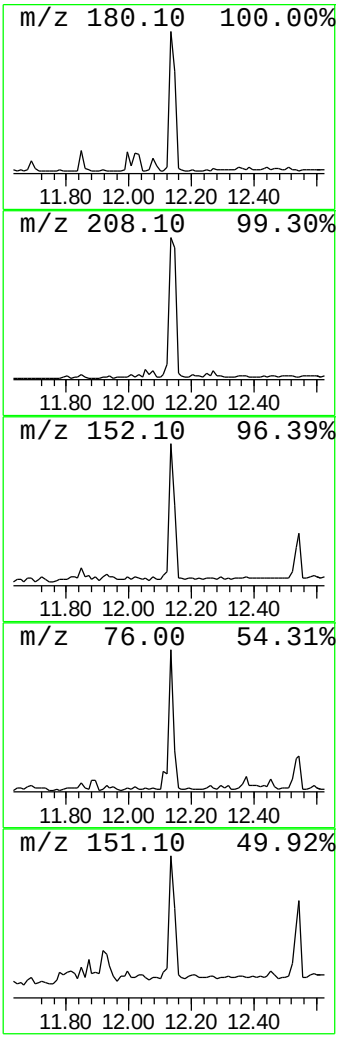
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	4.52 ng	2284850	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

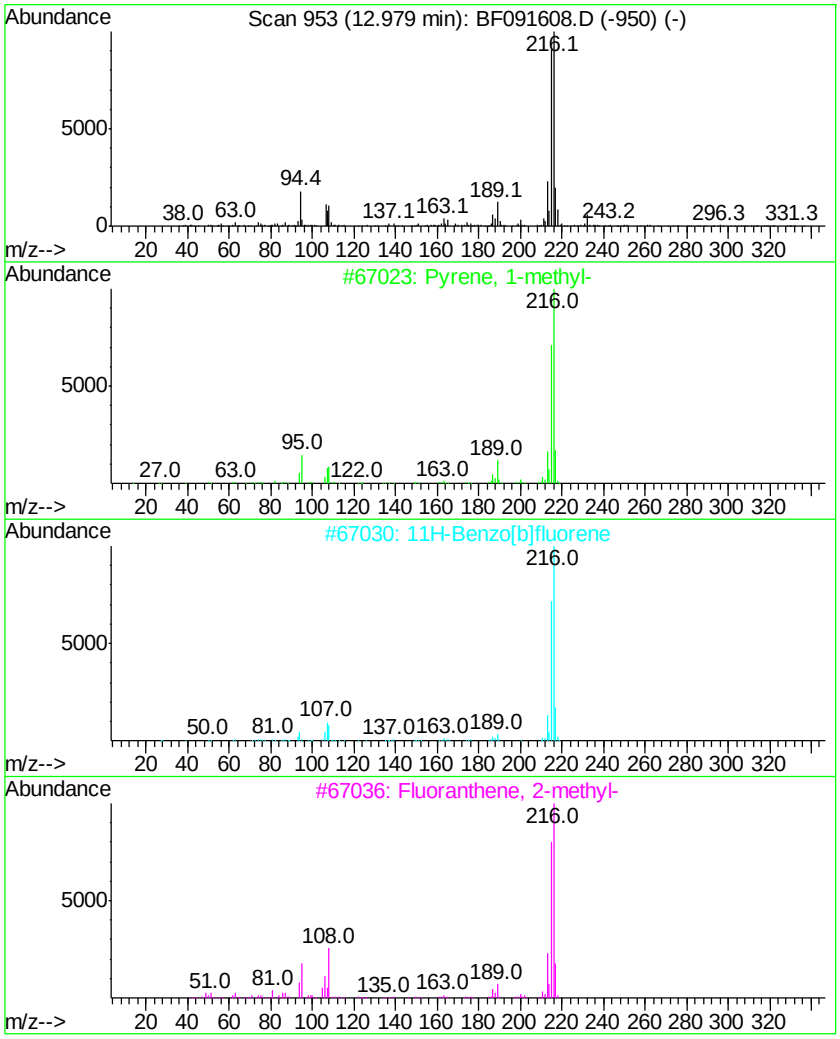
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

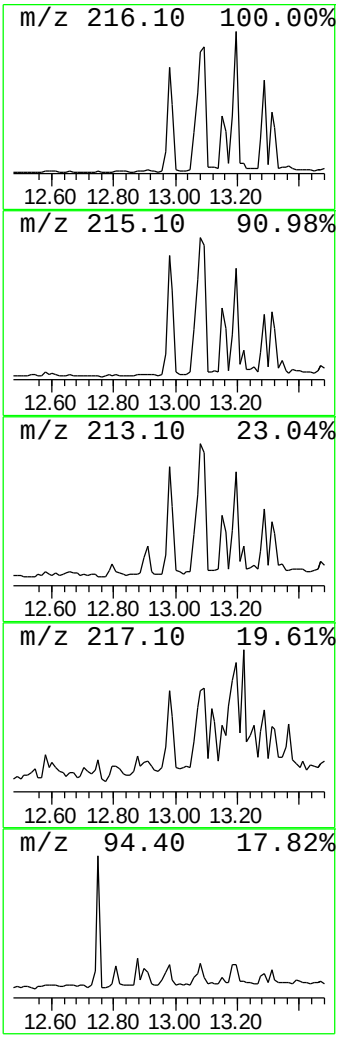
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	4.04 ng	1982220	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

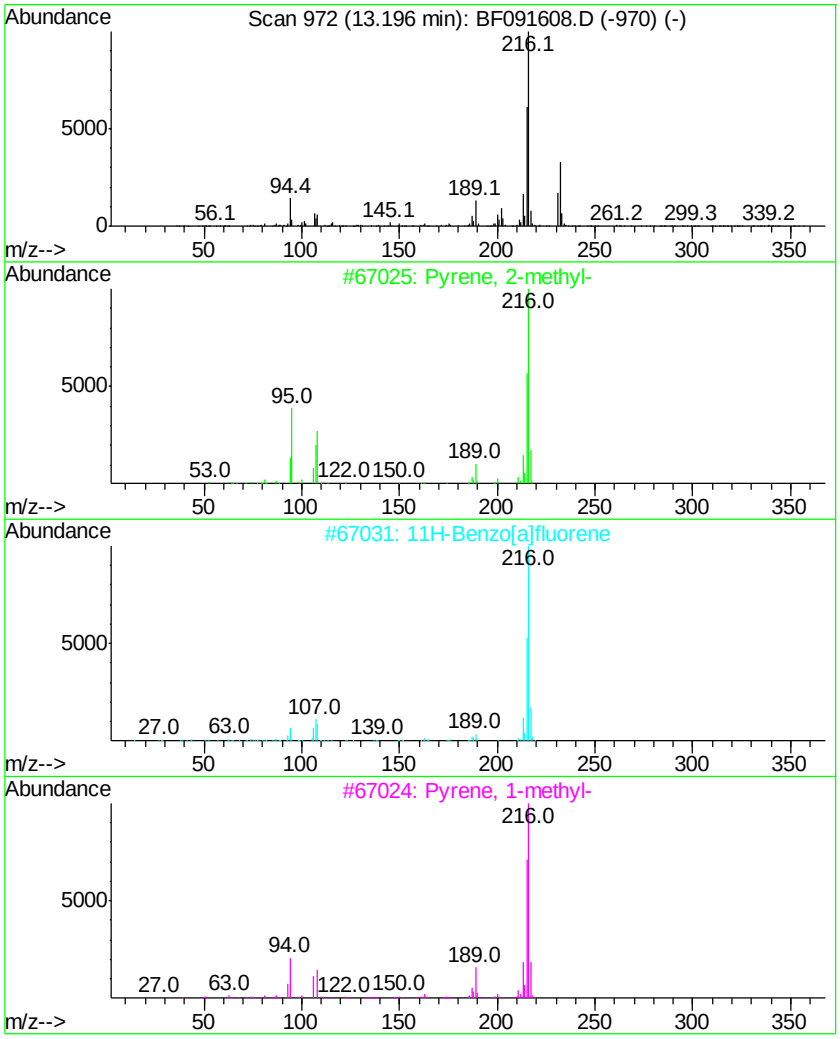
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

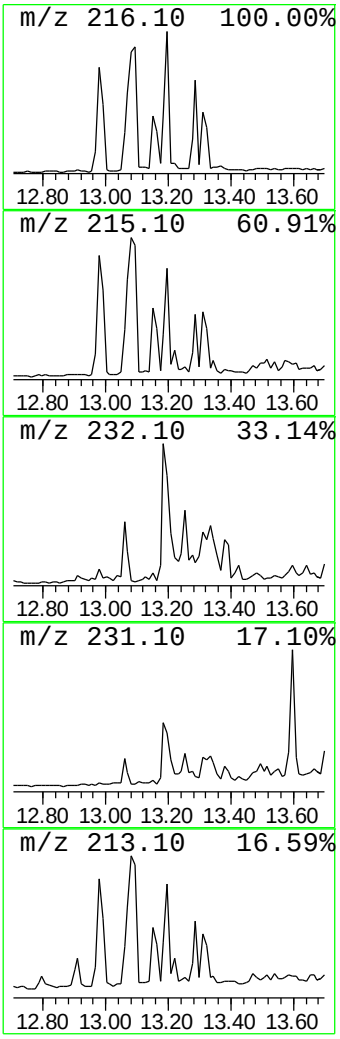
****

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.56 ng	1255390	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	68
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	62
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

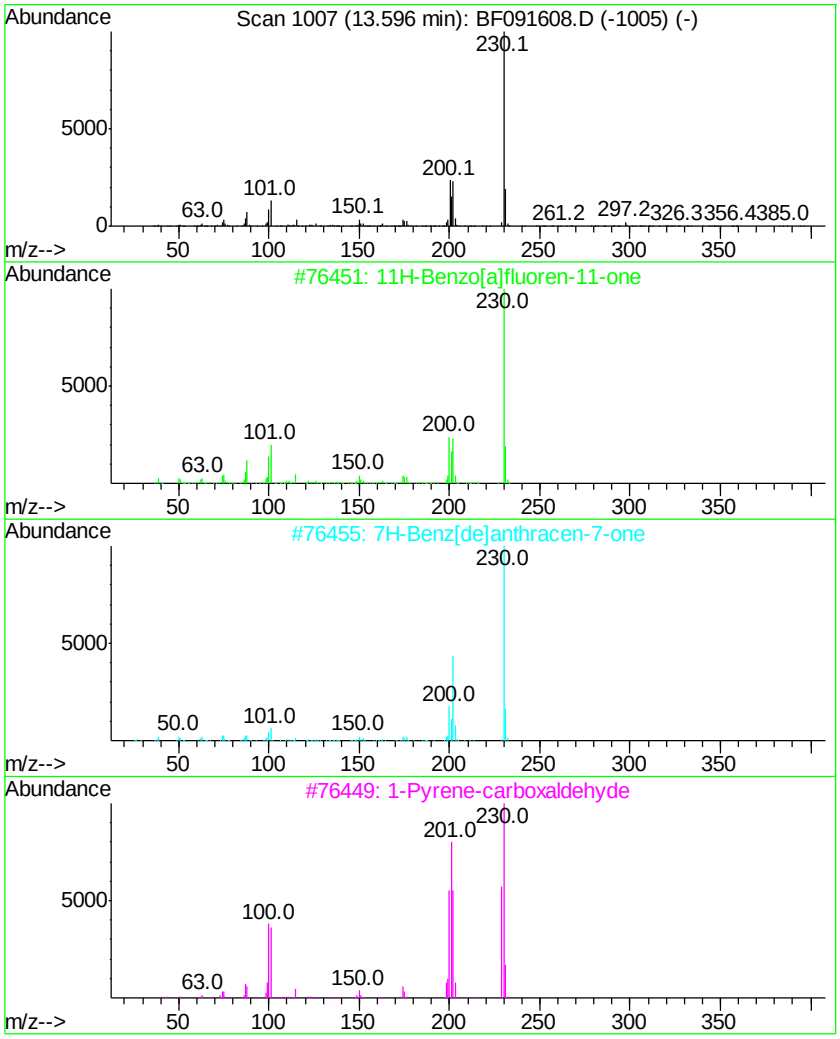
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

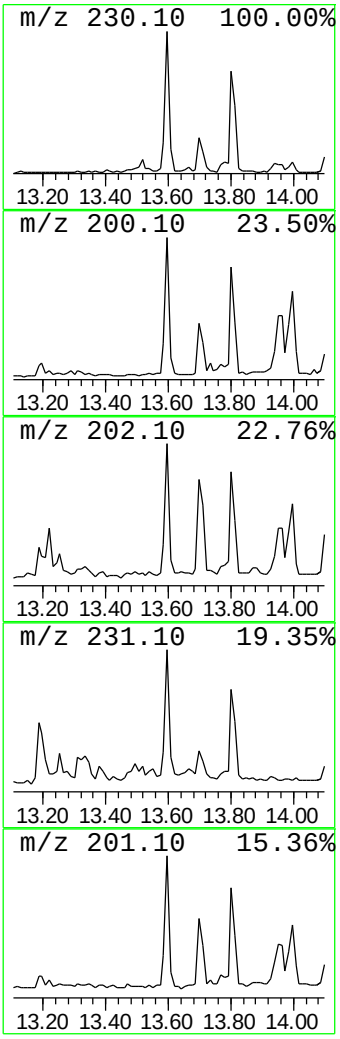
****

Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	3.19 ng	1562550	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	78
4	o-Terphenyl	230	C18H14	000084-15-1	64
5	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

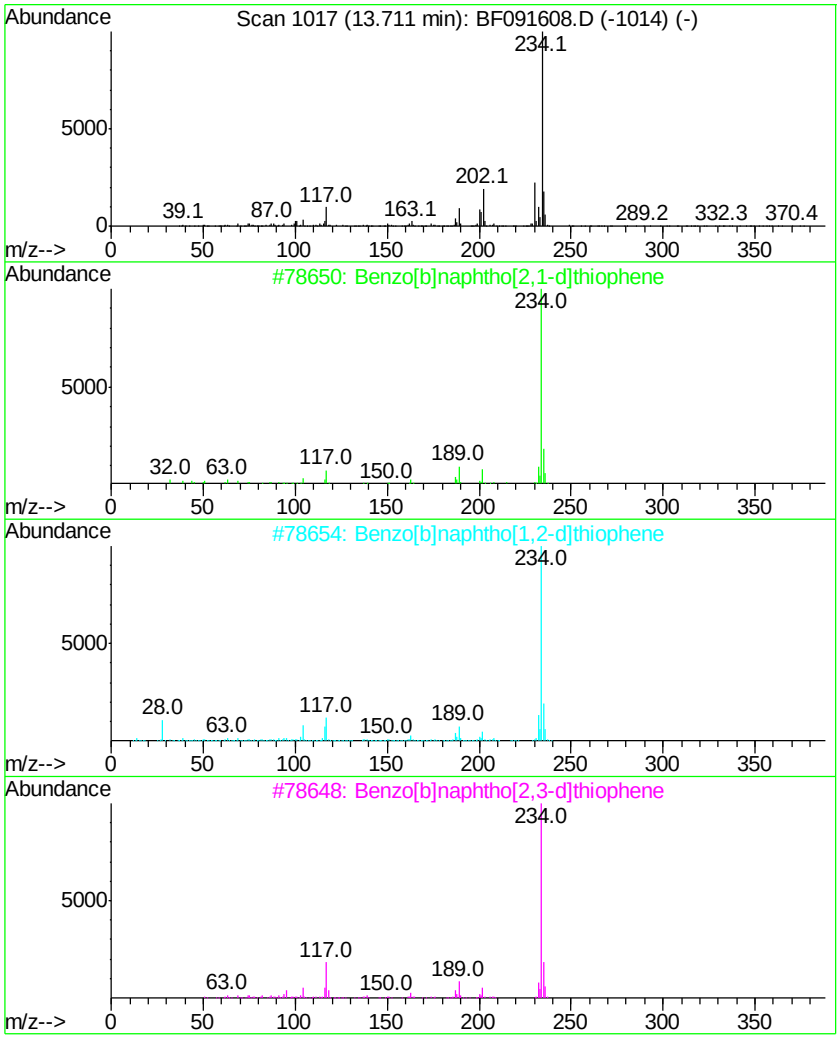
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

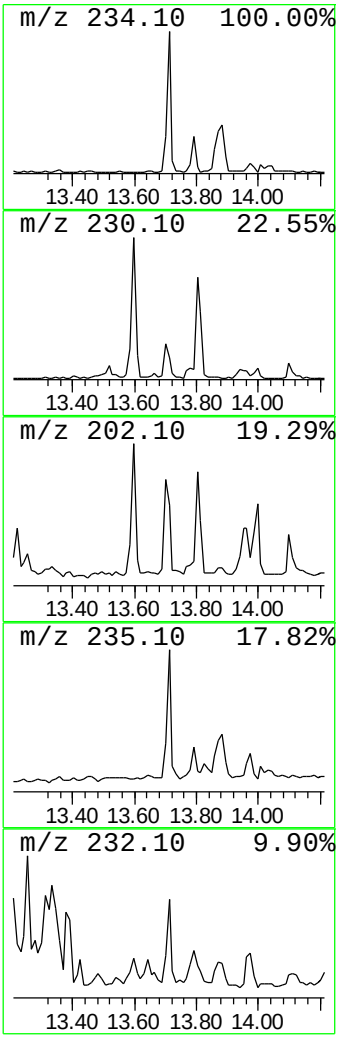
****

Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	2.88 ng	1411940	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
4	Phenoxathiin, 2-chloro-	234	C12H7ClOS	010230-34-9	53
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

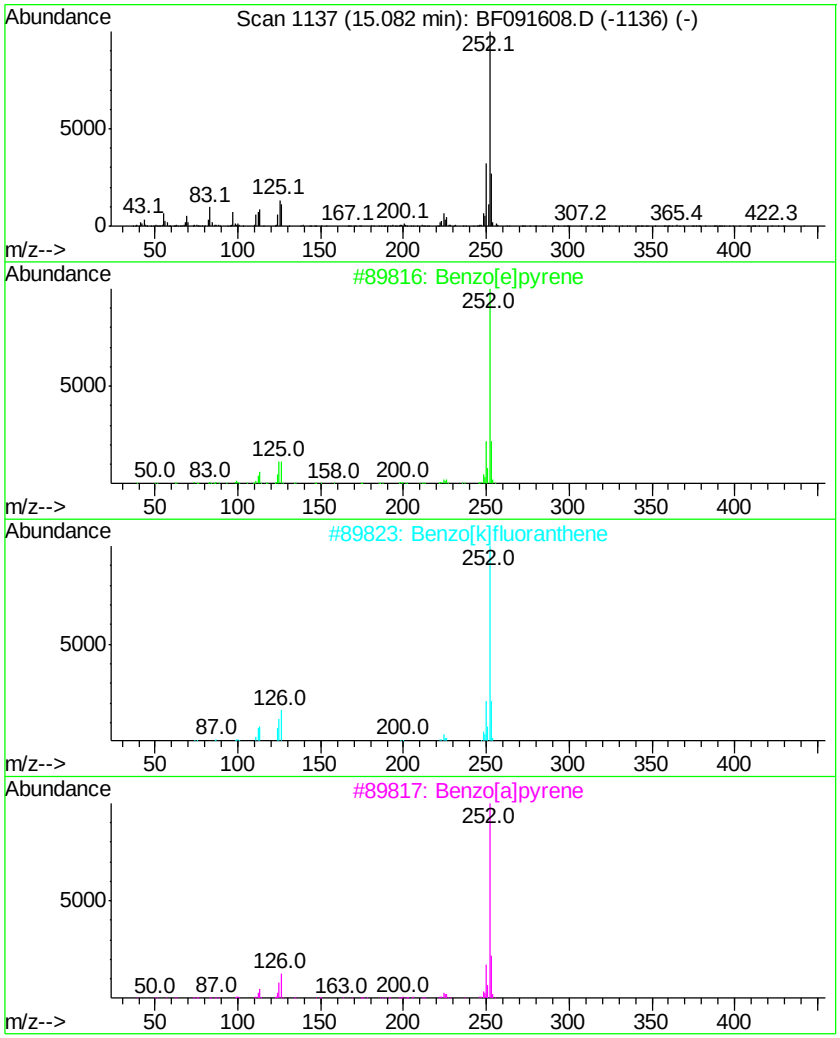
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

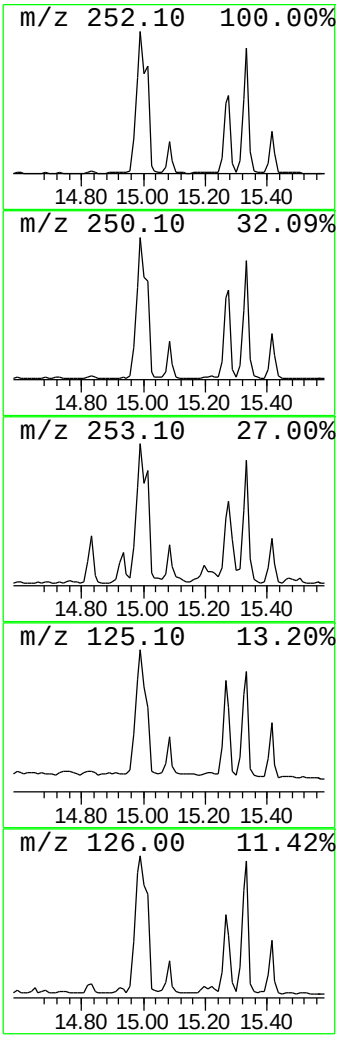
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	16.11 ng	865660	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

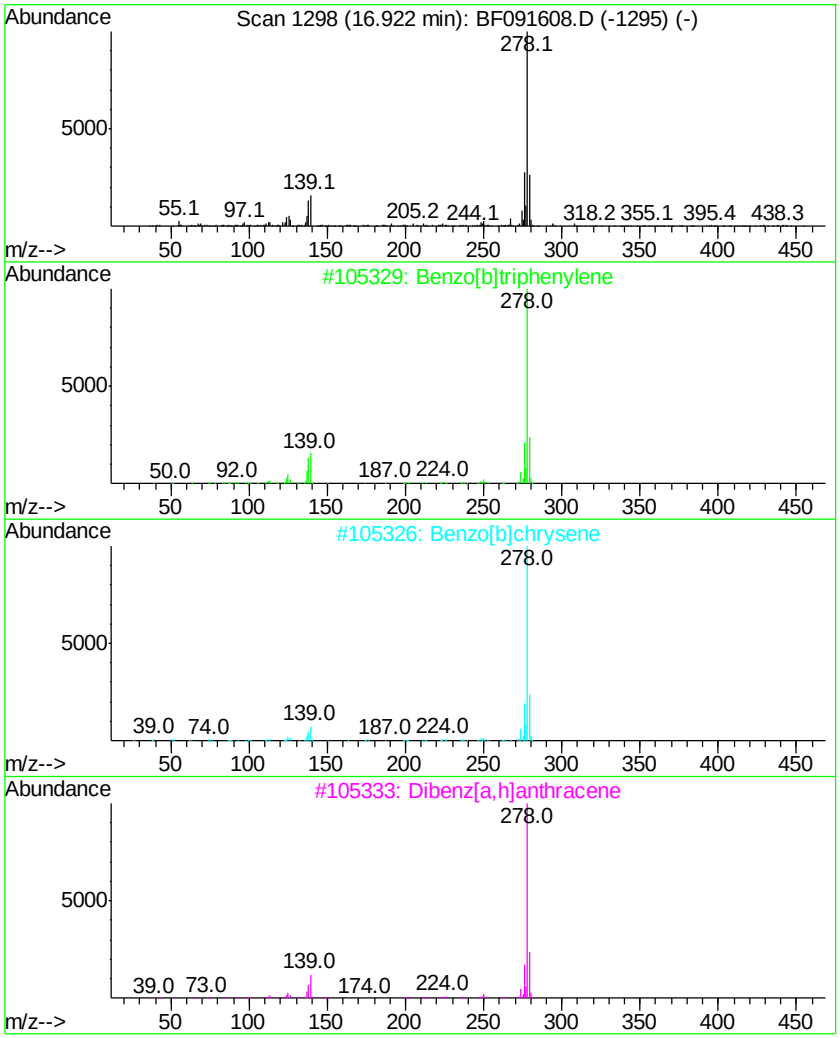
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

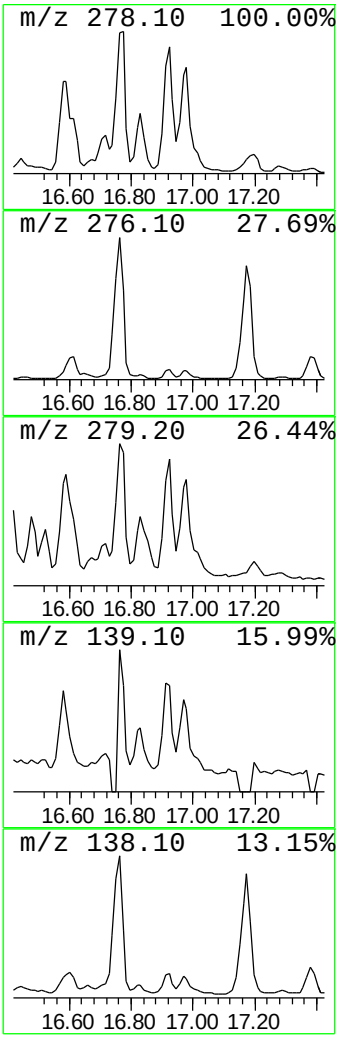
****

Peak Number 19 Benzo[b]triphenylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	13.50 ng	725312	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Benzo[b]chrysene	278	C22H14	000214-17-5	97
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Pentaphene	278	C22H14	000222-93-5	94
5	Pentacene	278	C22H14	000135-48-8	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

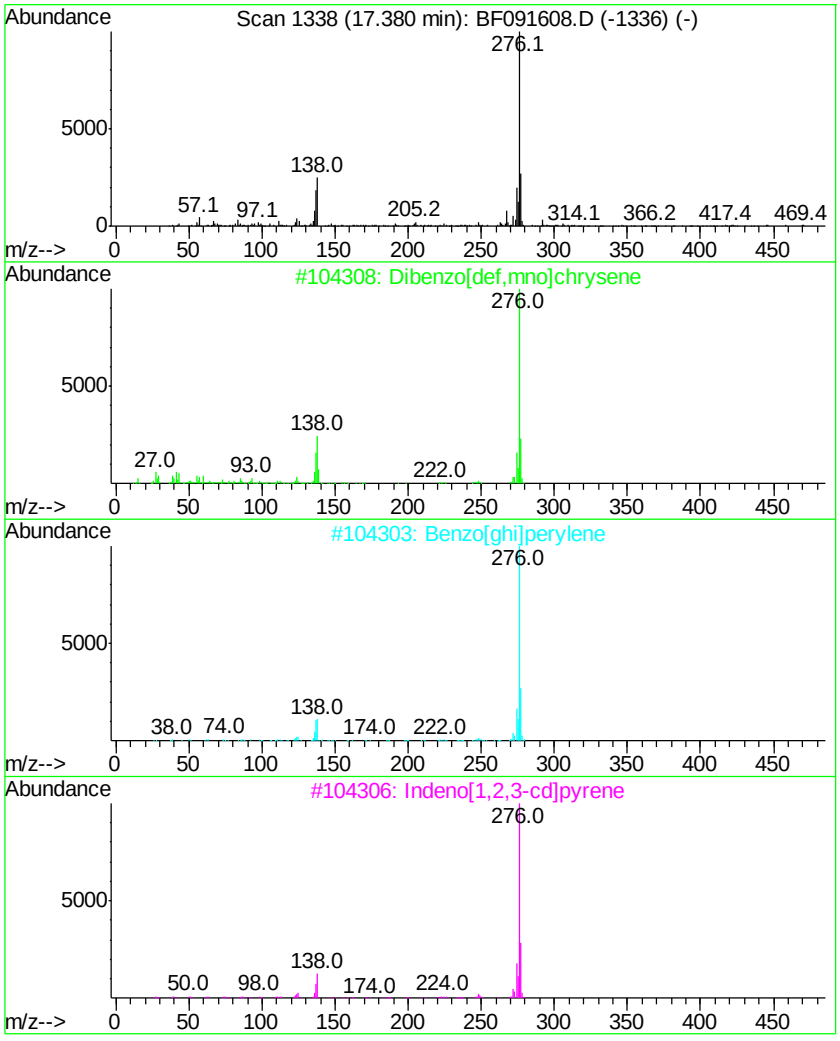
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

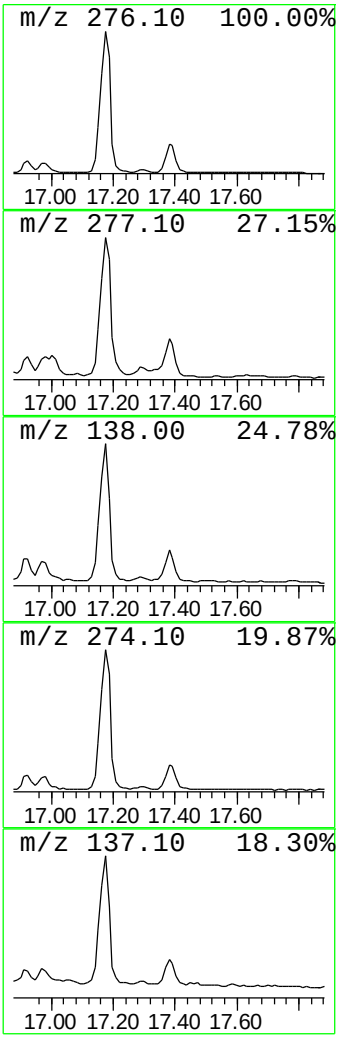
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	11.63 ng	624967	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121416\
Data File : BF091608.D
Acq On : 15 Dec 2016 2:16
Operator : UM/SJ
Sample : H6007-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.96	15.2	ng	1376120	1	6.80	1805710	20.0
unknown6.57	6.57	40.7	ng	3672830	1	6.80	1805710	20.0
Phenol, 4-(1,1-di...	9.26	12.4	ng	1422150	3	9.84	2303510	20.0
Benzene, 1,2,3,5-...	9.69	27.2	ng	3128500	3	9.84	2303510	20.0
unknown10.26	10.26	3.3	ng	374521	3	9.84	2303510	20.0
unknown11.18	11.18	7.8	ng	3955980	4	11.32	10099800	20.0
9,10-Anthracenedione	12.13	4.5	ng	2284850	4	11.32	10099800	20.0
Pyrene, 1-methyl-	12.98	4.0	ng	1982220	5	13.96	9811650	20.0
Pyrene, 2-methyl-	13.20	2.6	ng	1255390	5	13.96	9811650	20.0
11H-Benzo[a]fluor...	13.60	3.2	ng	1562550	5	13.96	9811650	20.0
Benzo[b]naphtho[2...	13.71	2.9	ng	1411940	5	13.96	9811650	20.0
Benzo[e]pyrene	15.08	16.1	ng	865660	6	15.39	1074860	20.0
Benzo[b]triphenylene	16.92	13.5	ng	725312	6	15.39	1074860	20.0
Dibenzo[def,mno]c...	17.38	11.6	ng	624967	6	15.39	1074860	20.0