LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 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-BF121716.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	2.178	5	8	23	rVB	88994	244759	4.77%	0.375%
2	3.058	84	85	99	rBV6	34966	127284	2.48%	0.195%
3	4.910	245	247	250	rBV	318740	439464	8.56%	0.673%
4	5.356	284	286	289	rBV	1137651	1099845	21.42%	1.683%
5	6.259	363	365	372	rBV4	24763	83350	1.62%	0.128%
6	6.407	376	378	380	rBV	1069133	1201512	23.40%	1.839%
7	6.533	386	389	391	rBV	1474403	1231661	23.98%	1.885%
8	6.762	407	409	412	rBV	1048082	1199119	23.35%	1.835%
9	6.922	421	423	425	rBV	1143216	965923	18.81%	1.478%
10	7.322	456	458	461	rBV	485618	686791	13.37%	1.051%
11	7.802	496	500	504	rBV4	25612	60384	1.18%	0.092%
12	8.053	519	522	524	rBV	1847988	1795630	34.96%	2.748%
13	8.762	582	584	587	rVB	69313	68947	1.34%	0.106%
14	8.819	587	589	591	rBV	81521	88832	1.73%	0.136%
15	8.865	591	593	595	rVB	65563	57338	1.12%	0.088%
16	9.128	614	616	619	rBV	1556249	1319184	25.69%	2.019%
17	9.230	619	625	628	rBV	296553	439724	8.56%	0.673%
18	9.390	636	639	640	rBV	38786	55629	1.08%	0.085%
19	9.471	644	646	647	rVV	47833	73993	1.44%	0.113%
20	9.528	649	651	653	rVB	145567	152652	2.97%	0.234%
21	9.653	660	662	664	rBV2	1379215	1202897	23.42%	1.841%
22	9.802	673	675	677	rBV	1630292	1531900	29.83%	2.345%
23	9.836	677	678	680	rVB	429389	320843	6.25%	0.491%
24	9.928	683	686	688	rBV	1309233	1122686	21.86%	1.718%
25	10.008	691	693	695	rVB	313883	273017	5.32%	0.418%
26	10.225	708	712	713	rBV2	47932	96343	1.88%	0.147%
27	10.351	719	723	725	rBV2	230507	288919	5.63%	0.442%
28	10.419	725	729	732	rBV3	31359	71604	1.39%	0.110%
29	10.511	735	737	739	rVB	93396	93244	1.82%	0.143%
30	10.591	741	744	746	rBV	635154	673930	13.12%	1.031%
31	10.716	753	755	759	rBV2	119325	141821	2.76%	0.217%
32	10.808	761	763	764	rBV	31354	56194	1.09%	0.086%
33	10.831	764	765	767	rVB	98891	90305	1.76%	0.138%
34	10.899	767	771	772	rBV2	47818	97939	1.91%	0.150%

LSC Area Percent Report

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Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 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-BF121716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.979	775	778	780	rBV3	80500	147690	2.88%	0.226%
36	11.048	780	784	785	rBV3	54612	97526	1.90%	0.149%
37	11.094	785	788	790	rBV	341526	359952	7.01%	0.551%
38	11.151	791	793	799	rBV2	1076691	1329142	25.88%	2.034%
39	11.288	803	805	806	rBV	1381519	1793454	34.92%	2.745%
40	11.311	806	807	809	rVV	4067215	3099439	60.35%	4.744%
41	11.356	809	811	813	rVB	776223	801581	15.61%	1.227%
42	11.391	813	814	816	rBV	124670	129926	2.53%	0.199%
43	11.516	822	825	829	rBV2	380752	604842	11.78%	0.926%
44	11.585	829	831	833	rBV2	120207	173197	3.37%	0.265%
45	11.745	843	845	846	rBV	84167	118949	2.32%	0.182%
46	11.791	846	849	850	rVV	294909	443896	8.64%	0.679%
47	11.814	850	851	854	rVV2	536494	815592	15.88%	1.248%
48	11.859	854	855	856	rVV	288571	248709	4.84%	0.381%
49	11.894	856	858	863	rVB3	429174	816549	15.90%	1.250%
50	12.111	873	877	880	rBV2	364512	784682	15.28%	1.201%
51	12.339	895	897	898	rBV	194617	212994	4.15%	0.326%
52	12.419	903	904	908	rVB	411180	354639	6.91%	0.543%
53	12.499	908	911	913	rBV	4196466	4074421	79.34%	6.236%
54	12.557	913	916	918	rVV2	92229	167046	3.25%	0.256%
55	12.728	927	931	933	rBV	3696676	4272273	83.19%	6.539%
56	12.774	933	935	939	rVB	205967	300494	5.85%	0.460%
57	12.842	939	941	942	rBV	323582	332705	6.48%	0.509%
58	12.877	942	944	947	rVB2	756345	1116970	21.75%	1.710%
59	12.945	947	950	956	rBV3	245570	728212	14.18%	1.115%
60	13.048	956	959	961	rVB2	258638	499546	9.73%	0.765%
61	13.117	963	965	967	rVV	333736	343666	6.69%	0.526%
62	13.151	967	968	972	rVB2	261024	453306	8.83%	0.694%
63	13.459	993	995	1000	rVB3	218967	347995	6.78%	0.533%
64	13.562	1001	1004	1008	rBV	468288	638694	12.44%	0.978%
65	13.665	1011	1013	1015	rBV2	440198	614570	11.97%	0.941%
66	13.768	1020	1022	1026	rVB2	548281	838418	16.33%	1.283%
67	13.917	1032	1035	1037	rBV2	3458669	5135628	100.00%	7.860%
68	13.951	1037	1038	1041	rVB	2085424	1719976	33.49%	2.632%
69	14.305	1067	1069	1071	rVB	274728	296176	5.77%	0.453%
70	14.408	1076	1078	1079	rBV2	338643	388075	7.56%	0.594%
71	14.945	1122	1125	1129	rBV	1788631	4041343	78.69%	6.185%

LSC Area Percent Report

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Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 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

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.037	1132	1133	1135	rVB	461604	380745	7.41%	0.583%
73	15.220	1146	1149	1152	rVB	1132269	1476433	28.75%	2.260%
74	15.277	1152	1154	1157	rVB	1634637	1898401	36.97%	2.906%
75	15.334	1157	1159	1160	rBV	893842	1132525	22.05%	1.733%
76	16.374	1248	1250	1257	rVB4	285296	674303	13.13%	1.032%
77	16.683	1274	1277	1281	rVB2	819937	1601005	31.17%	2.450%
78	16.843	1288	1291	1293	rBV	201999	410127	7.99%	0.628%
79	17.094	1309	1313	1319	rVB	646198	1357851	26.44%	2.078%
80	17.300	1329	1331	1335	rVB	146758	310232	6.04%	0.475%

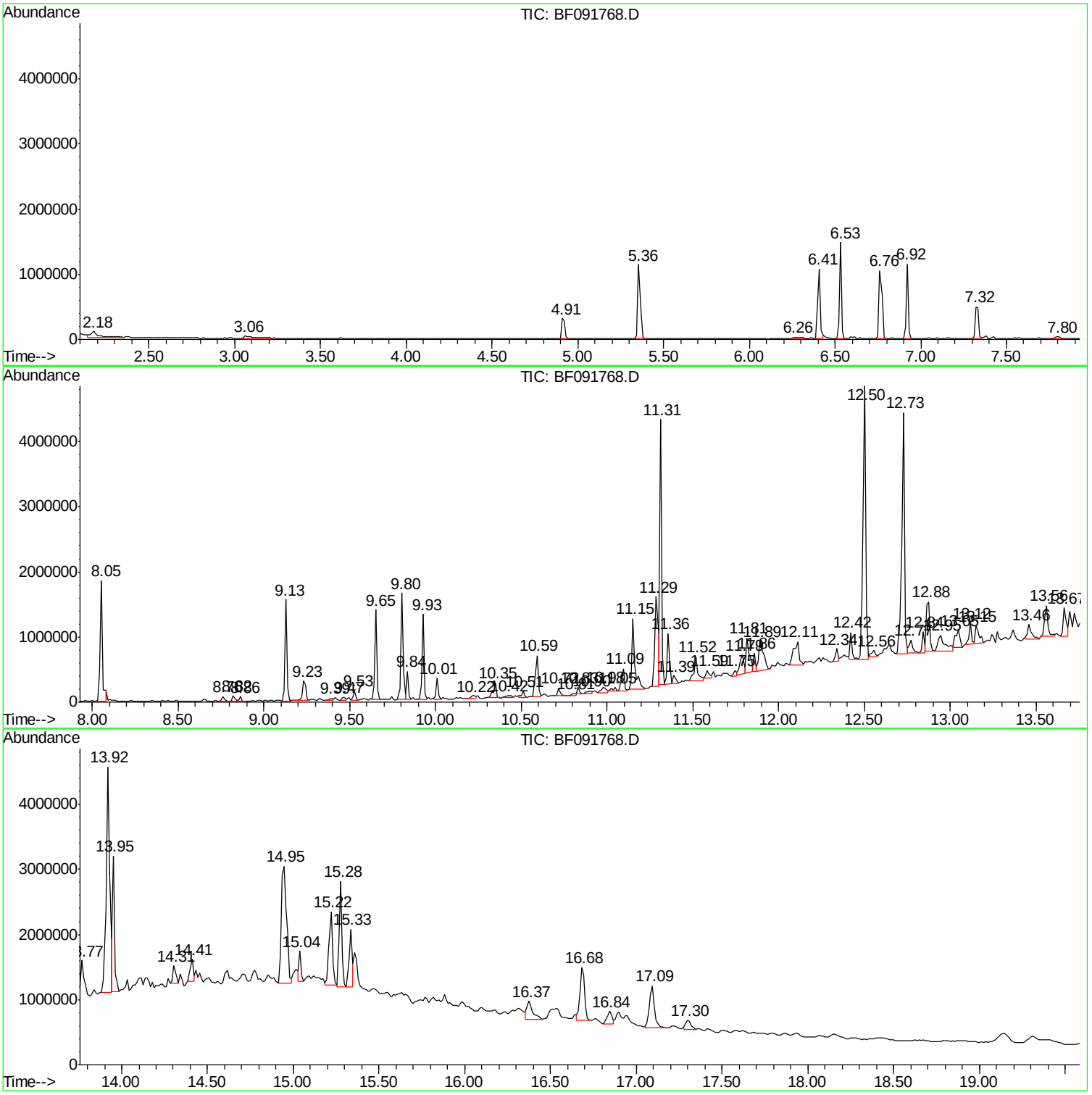
Sum of corrected areas: 65337558

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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\BF121816\
Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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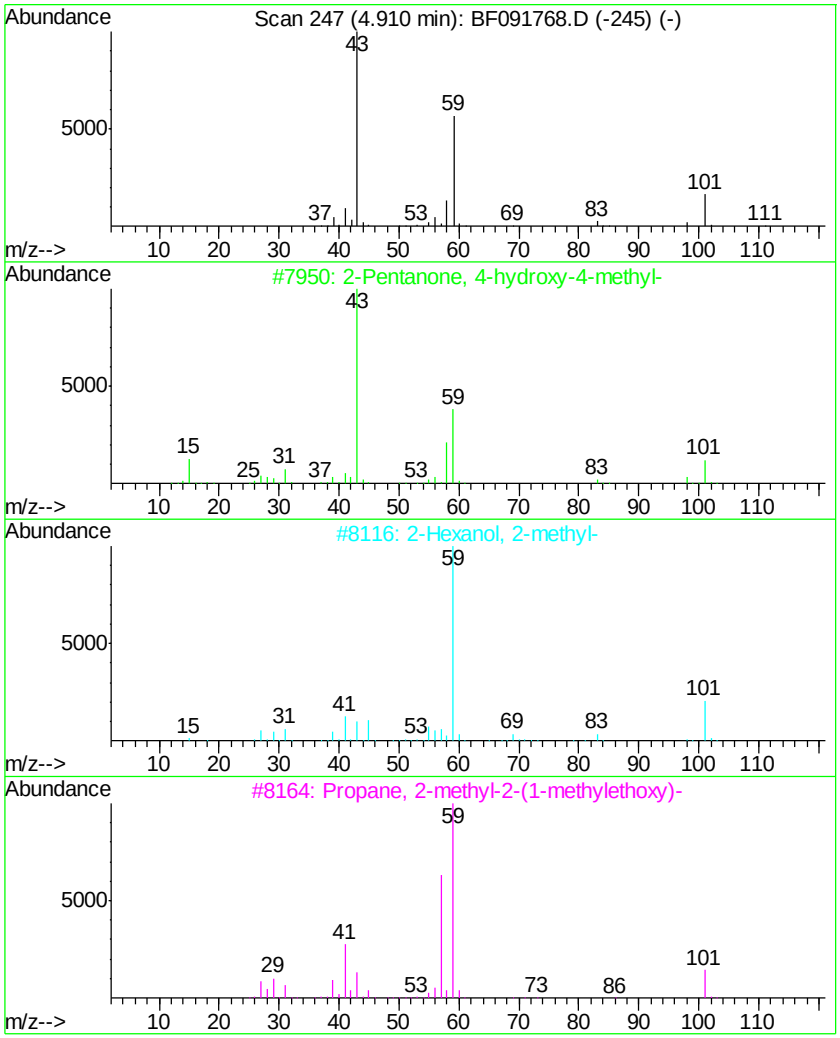
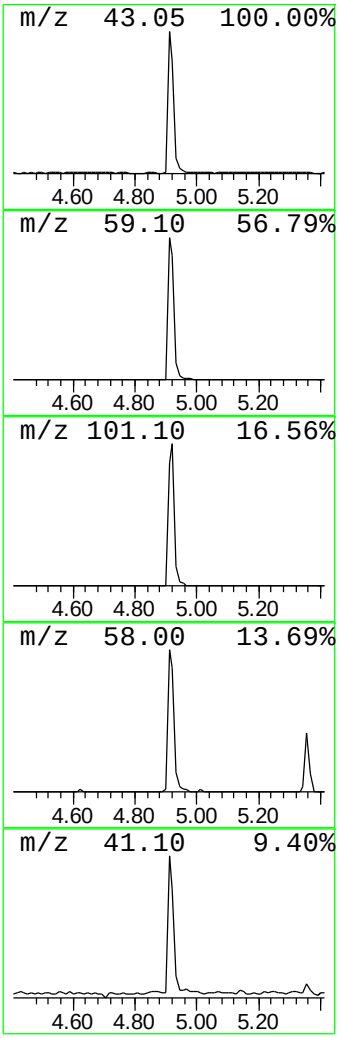
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.91	7.33 ng	439464	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

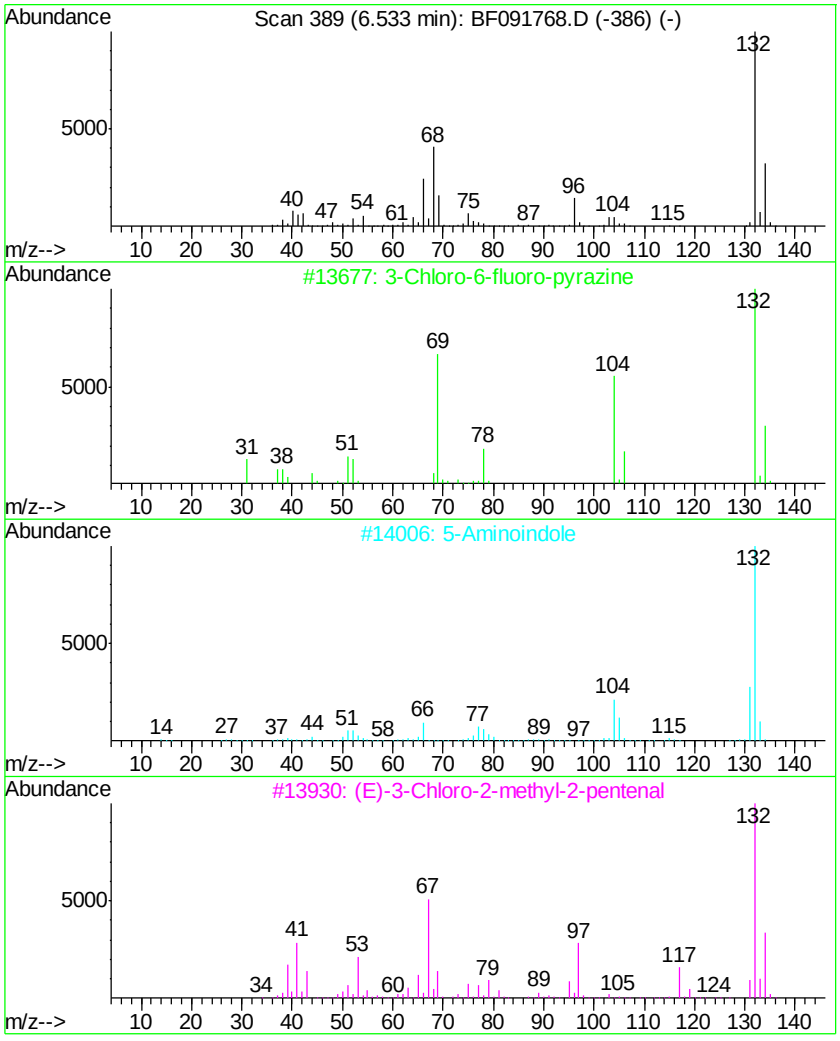
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

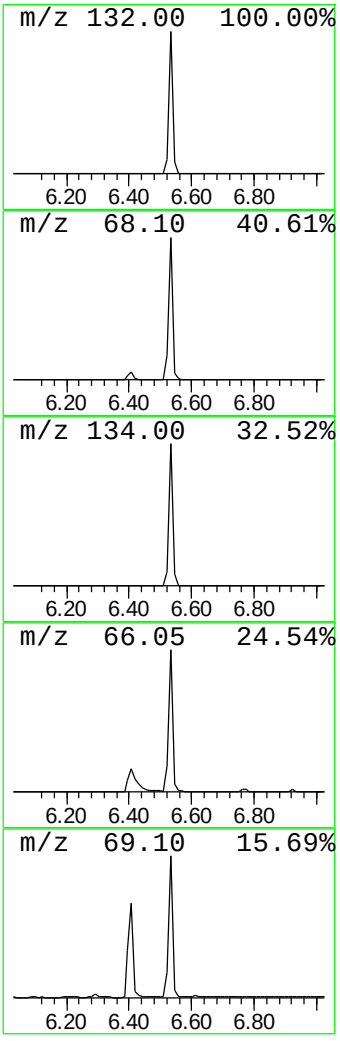
****

Peak Number 3 unknown6.53 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	20.54 ng	1231660	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
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Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

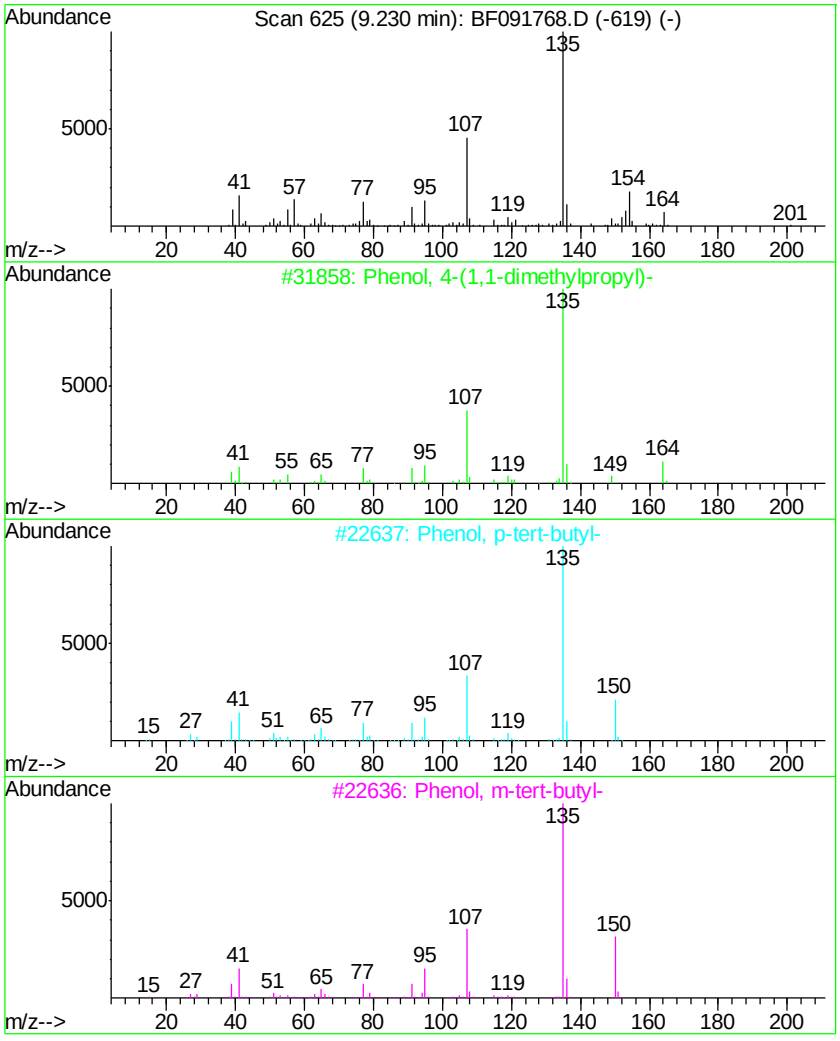
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

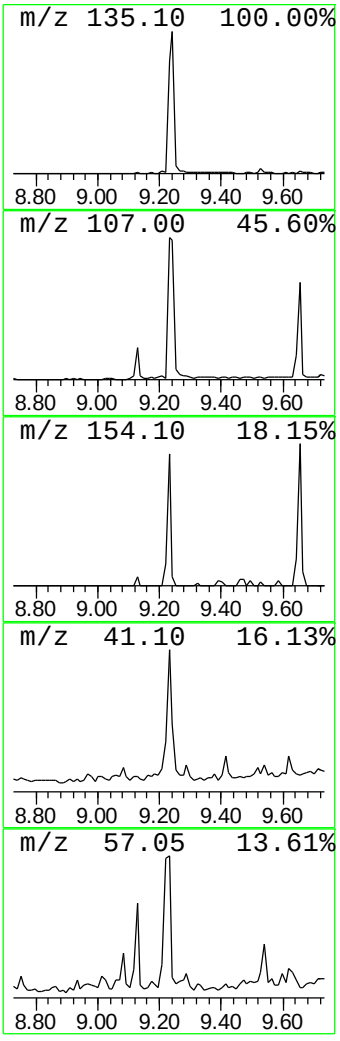
****

Peak Number 5 Phenol, 4-(1,1-dimethylprop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	5.74 ng	439724	Acenaphthene-d10	9.80

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	72
3	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	64
4	1,5,6,7-Tetrahydro-4-indolone	135	C8H9NO	013754-86-4	59
5	4,6-Bis(4-ethoxybenzylthio)-5-ni...	457	C22H23N3O4S2	325957-76-4	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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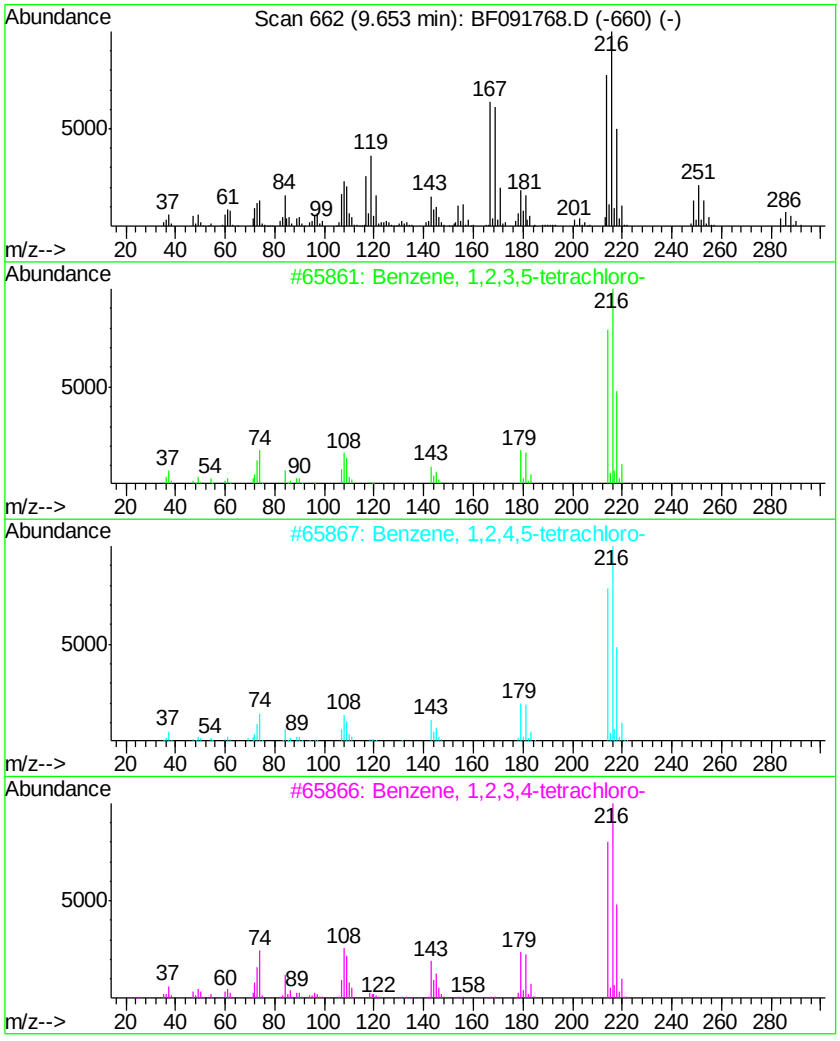
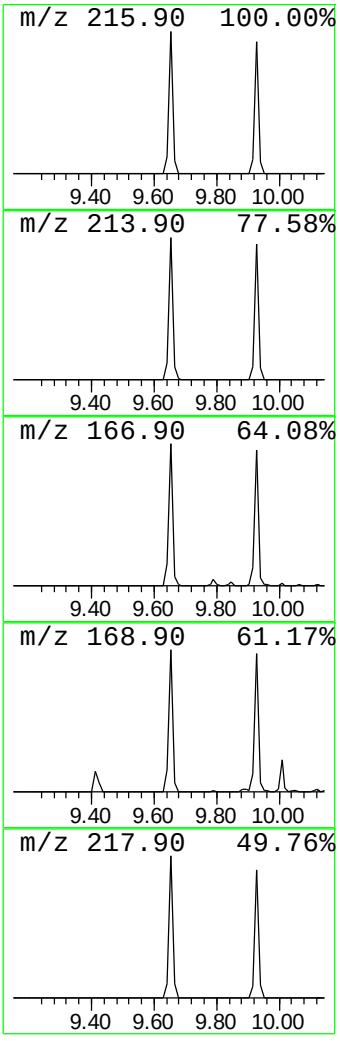
Peak Number 6 Benzene, 1,2,3,5-tetrachloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	15.70 ng	1202900	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetrachloro-	214	C6H2Cl4	000634-90-2	96
2	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	95
3	Benzene, 1,2,3,4-tetrachloro-	214	C6H2Cl4	000634-66-2	78
4	Allopurirol, 7-bromo-	214	C5H3BrN4O	020419-67-4	35
5	Azulen-2-ol, 1,4-dimethyl-7-(1-m...	214	C15H18O	018937-66-1	14





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

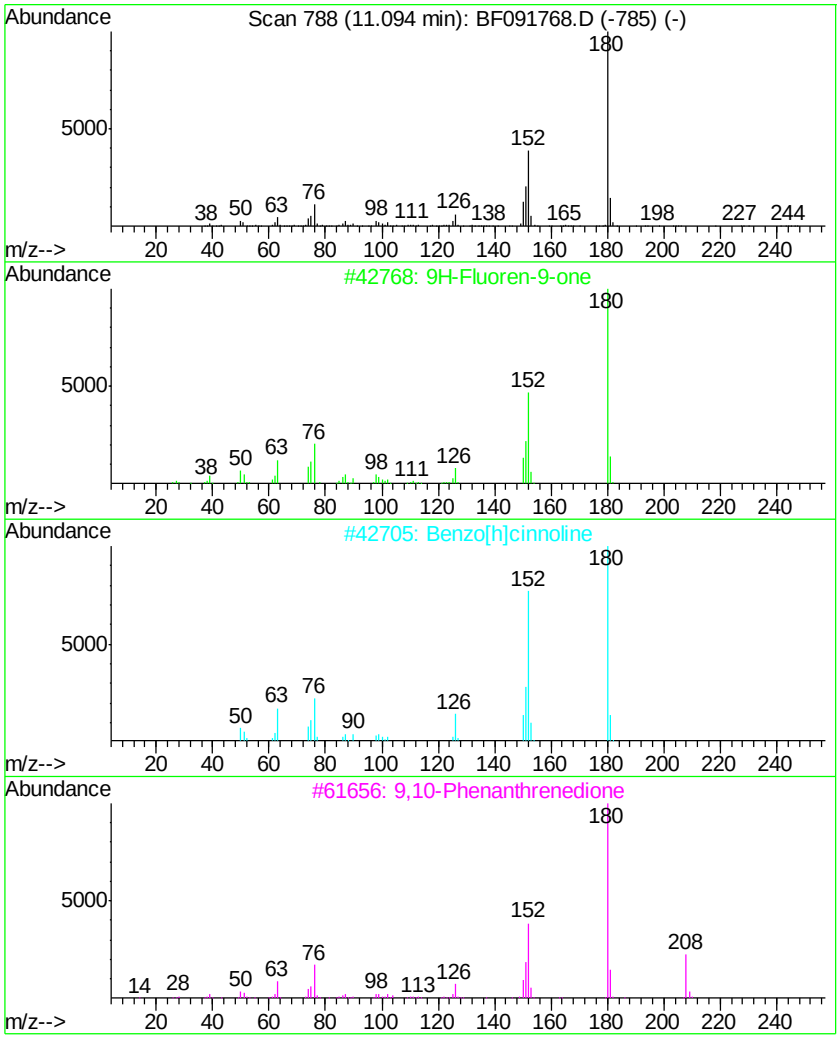
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

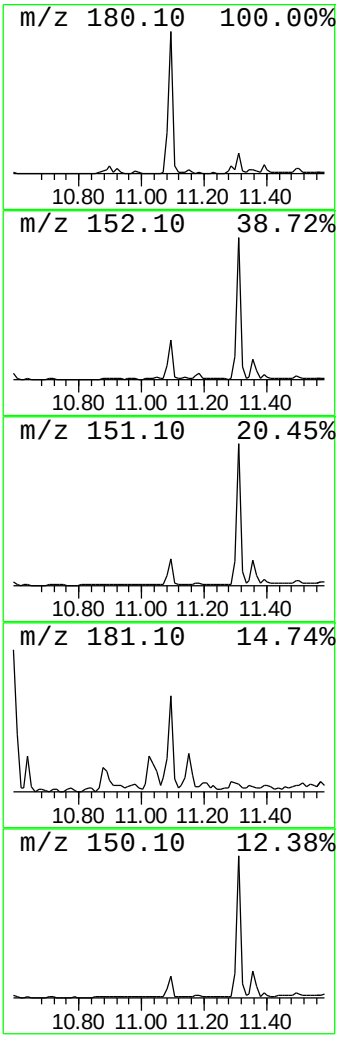
****

Peak Number 8 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	4.01 ng	359952	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	Phenazine	180	C12H8N2	000092-82-0	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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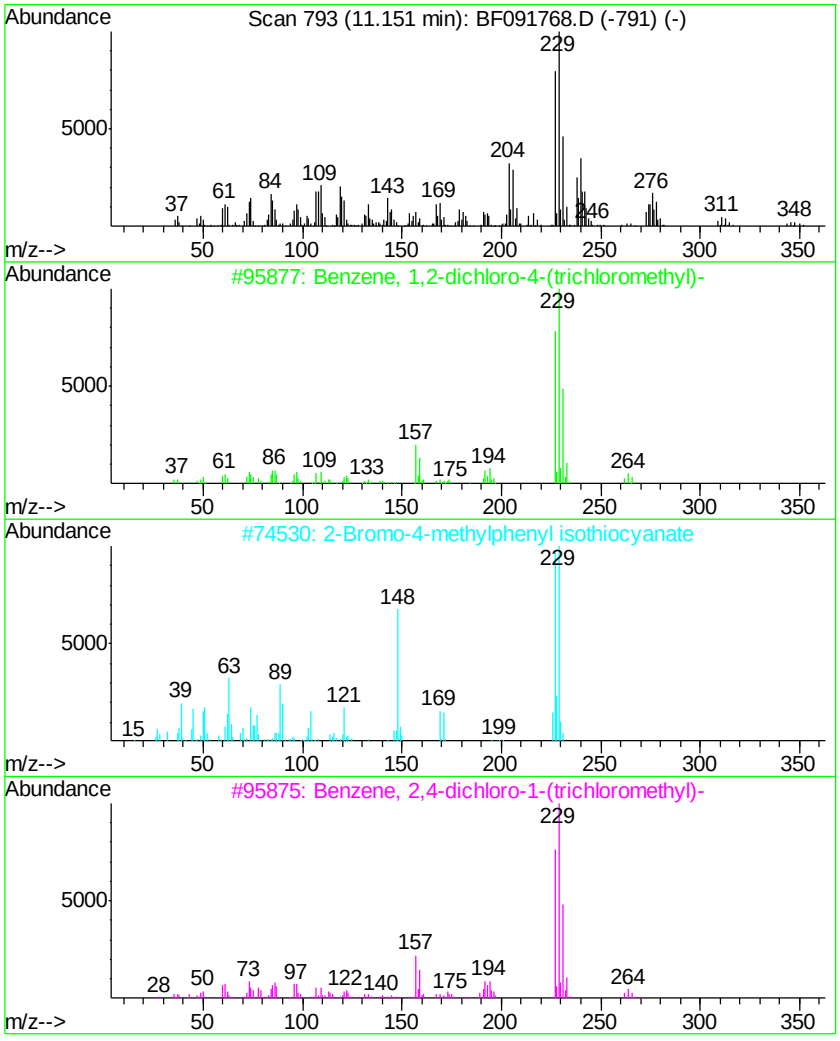
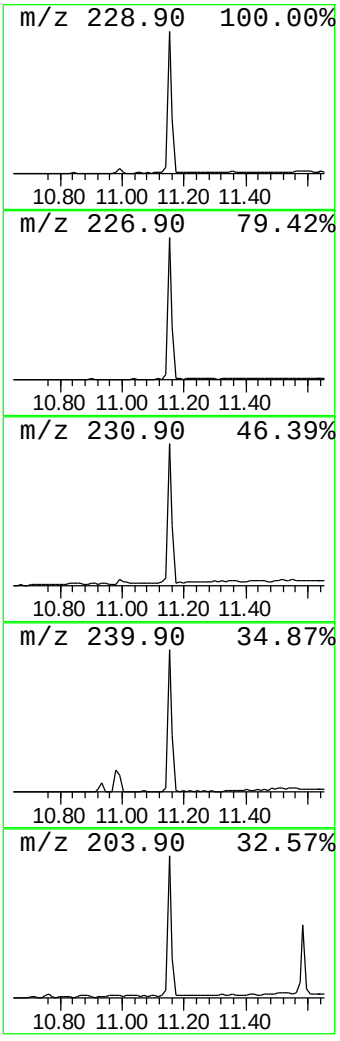
Peak Number 9 unknown11.15 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	14.82 ng	1329140	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-4-(trichlo...	262	C7H3Cl5	013014-24-9	47
2	2-Bromo-4-methylphenyl isothiocy...	227	C8H6BrNS	019241-39-5	38
3	Benzene, 2,4-dichloro-1-(trichlo...	262	C7H3Cl5	013014-18-1	35
4	Phenol, 2,4,6-trinitro-	229	C6H3N3O7	000088-89-1	22
5	Quinoline, 2(m-nitrostyryl)-	276	C17H12N2O2	007251-91-4	15





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Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

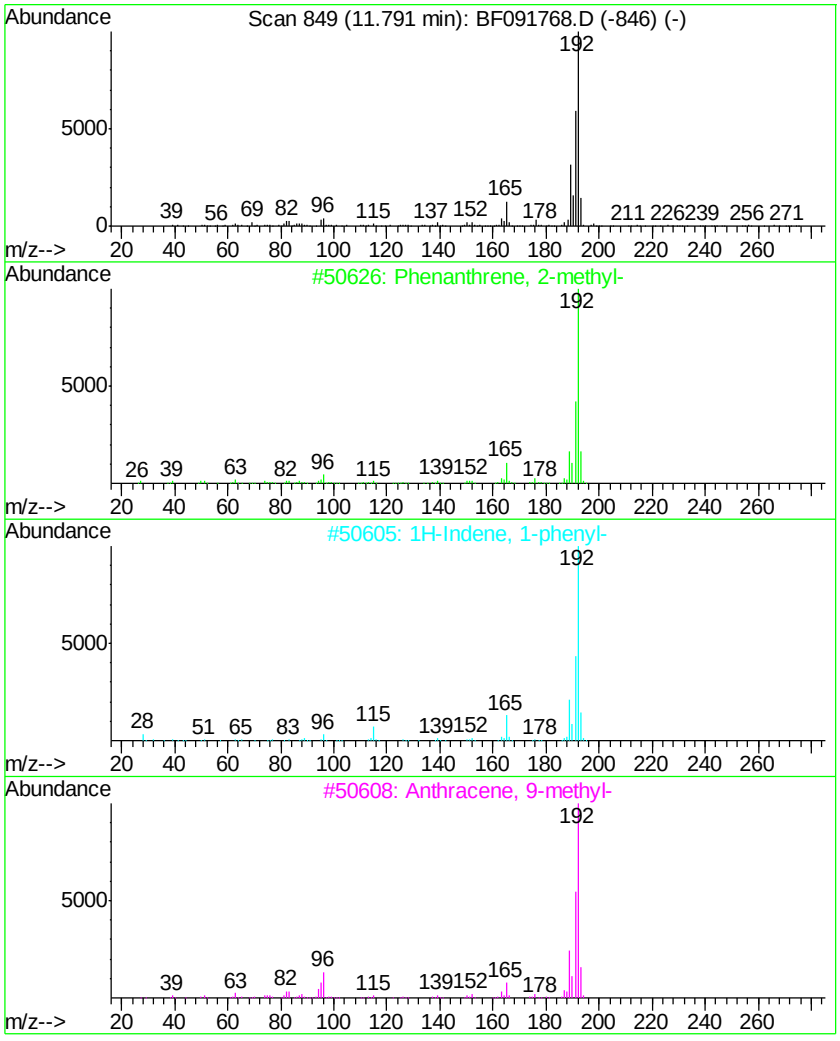
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

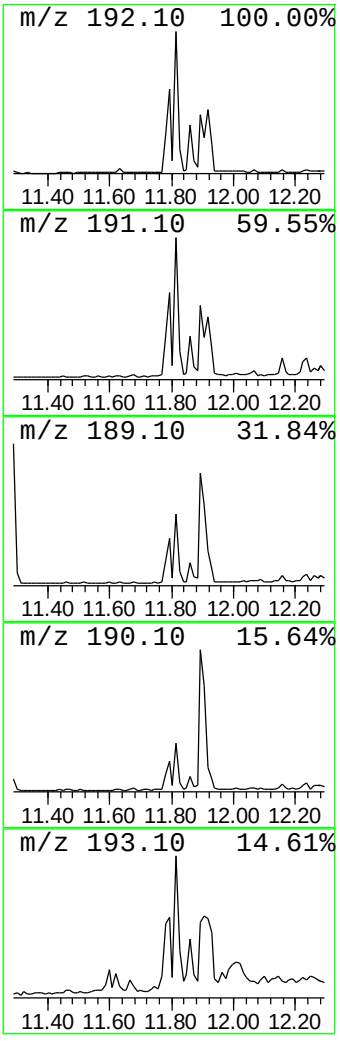
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	4.95 ng	443896	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

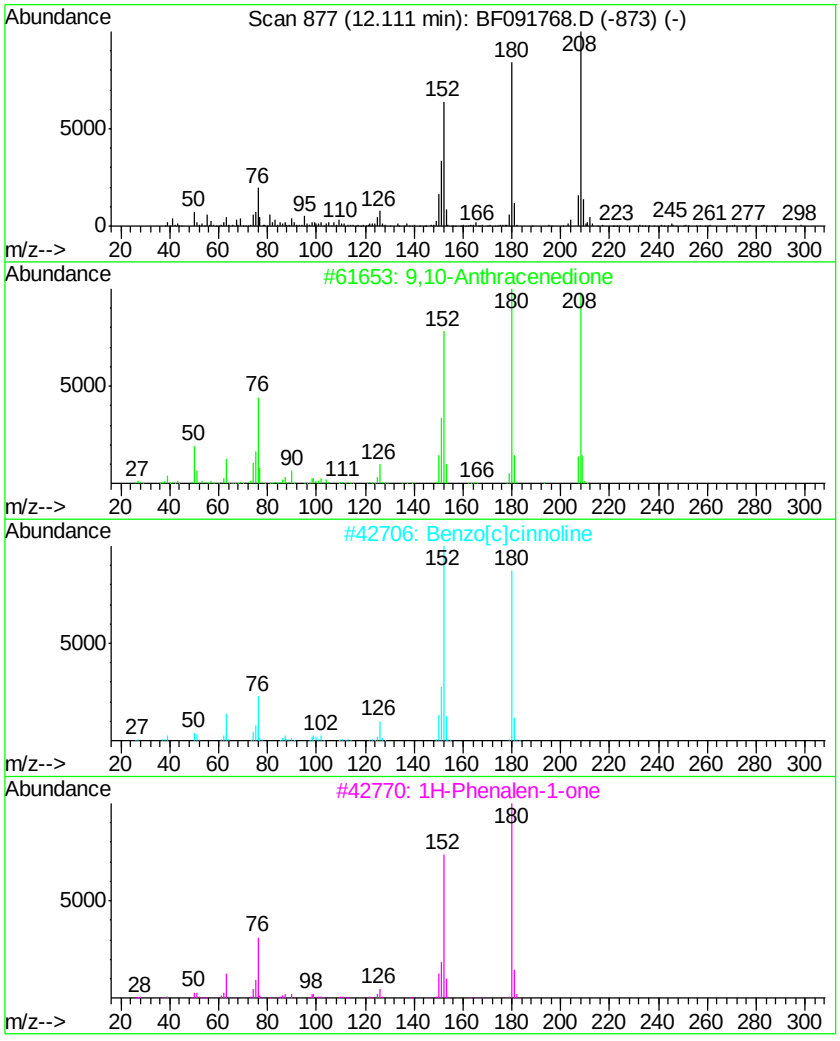
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

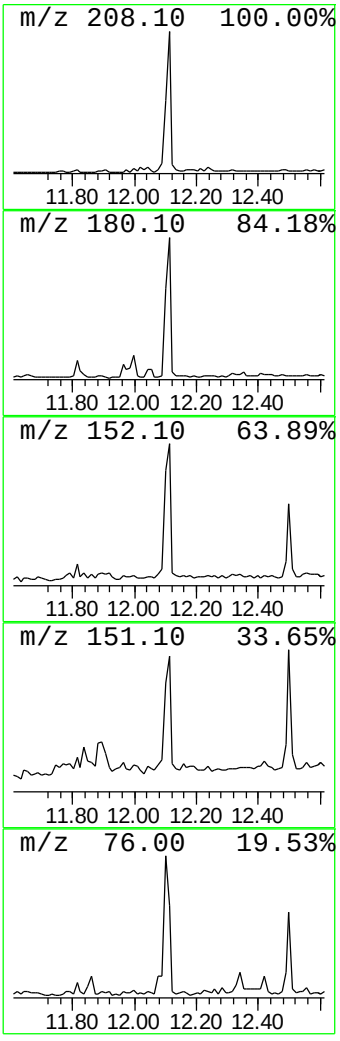
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	8.75 ng	784682	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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Acq On : 19 Dec 2016 6:42
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Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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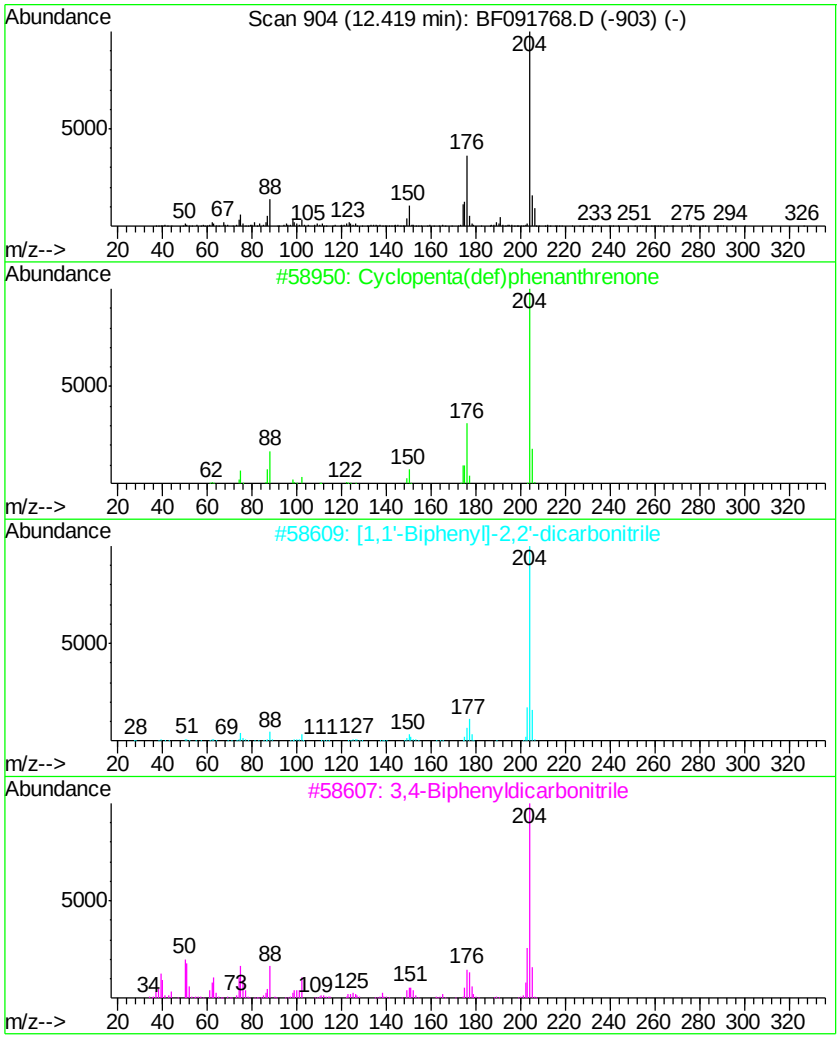
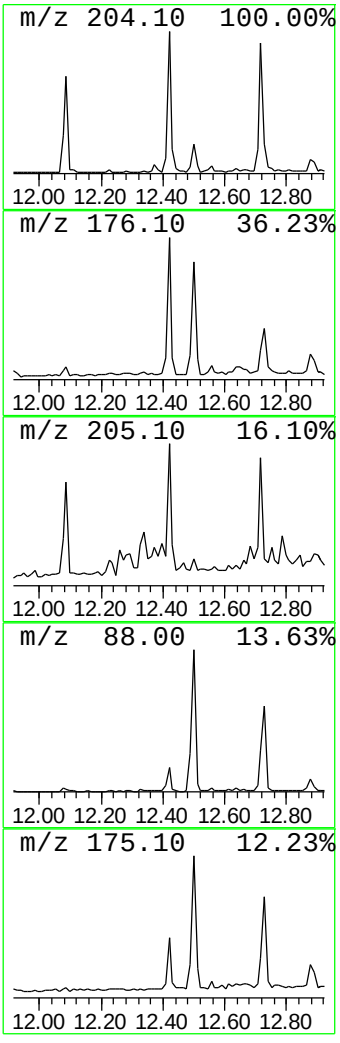
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.95 ng	354639	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	2-Methyl-5-nitroindole-3-carboxa...	204	C10H8N2O3	003558-17-6	43





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Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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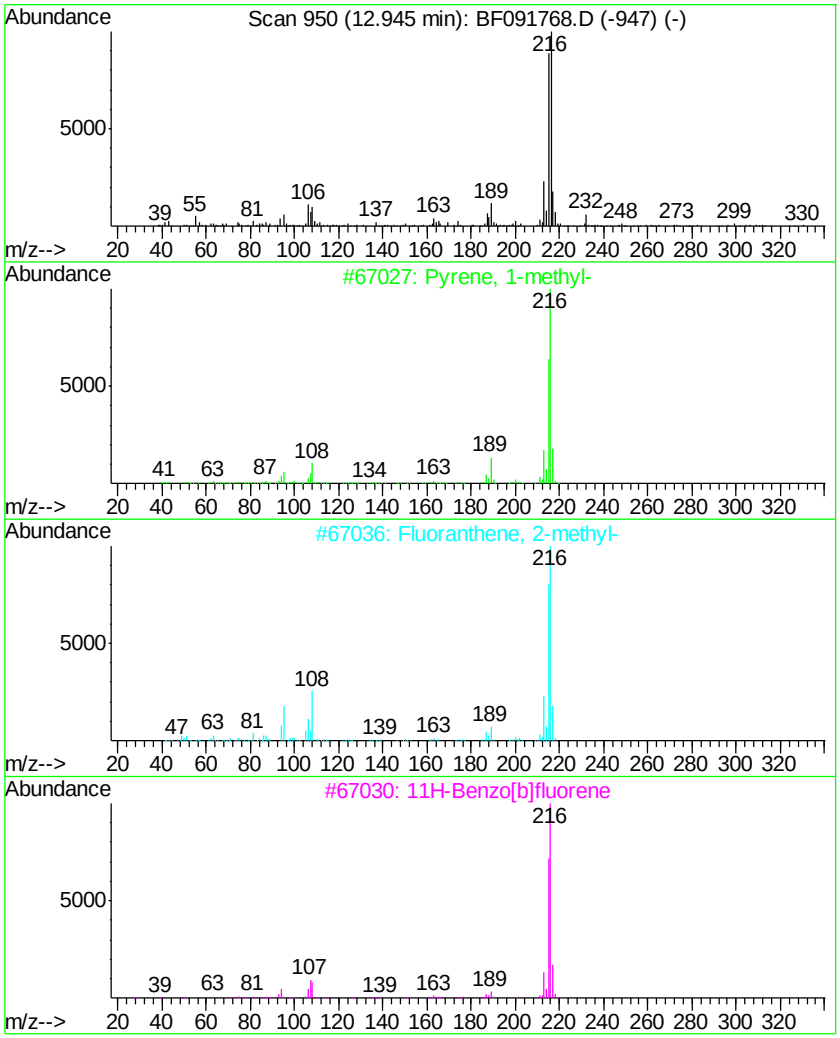
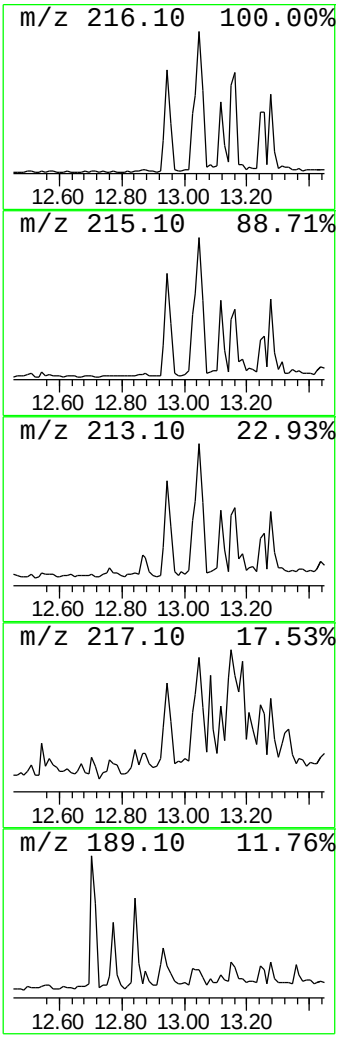
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	2.84 ng	728212	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

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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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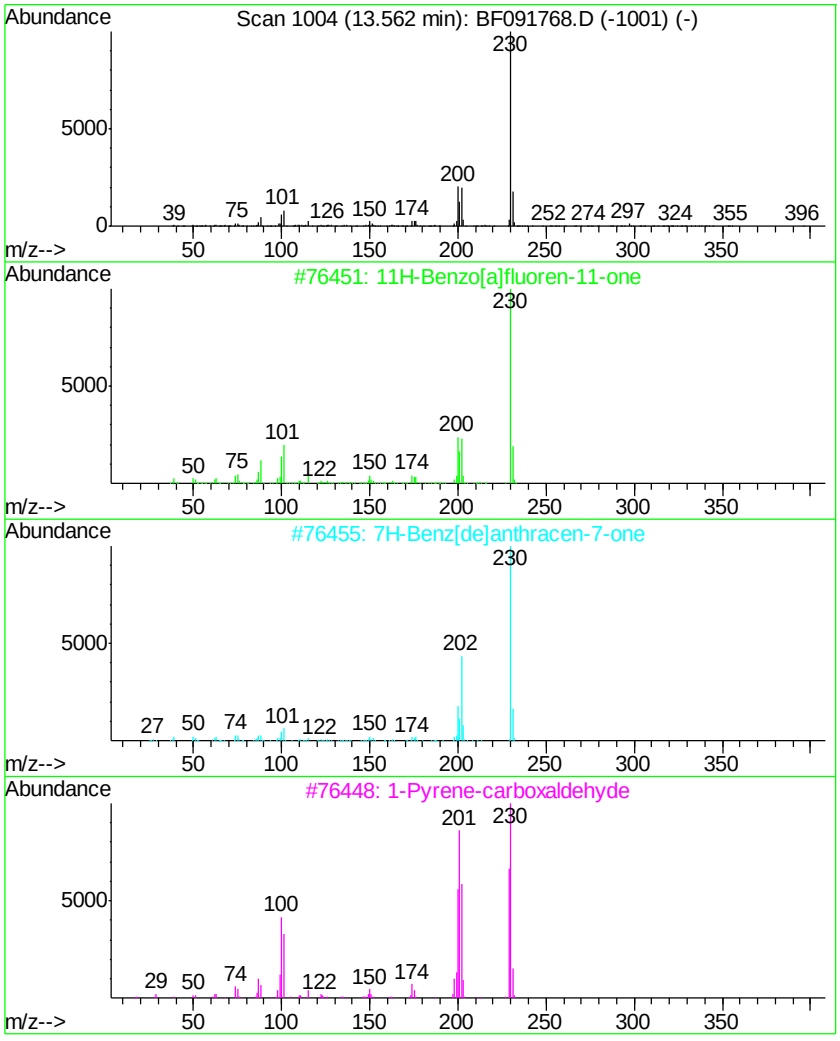
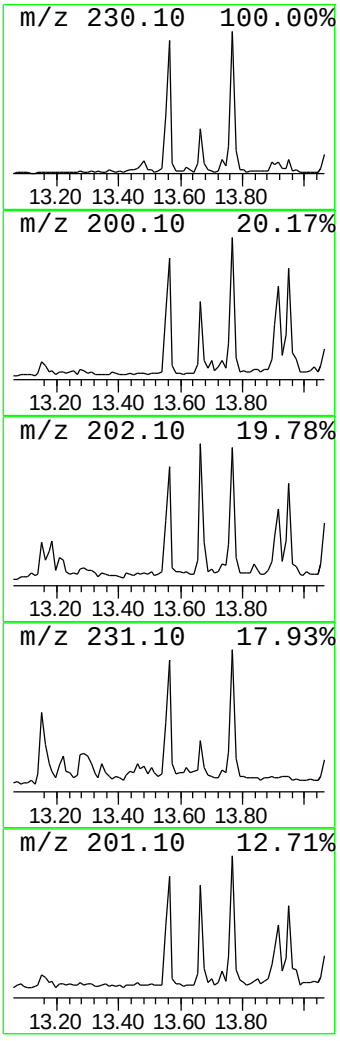
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	2.49 ng	638694	Chrysene-d12	13.93

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	91
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72
4	o-Terphenyl	230	C18H14	000084-15-1	58
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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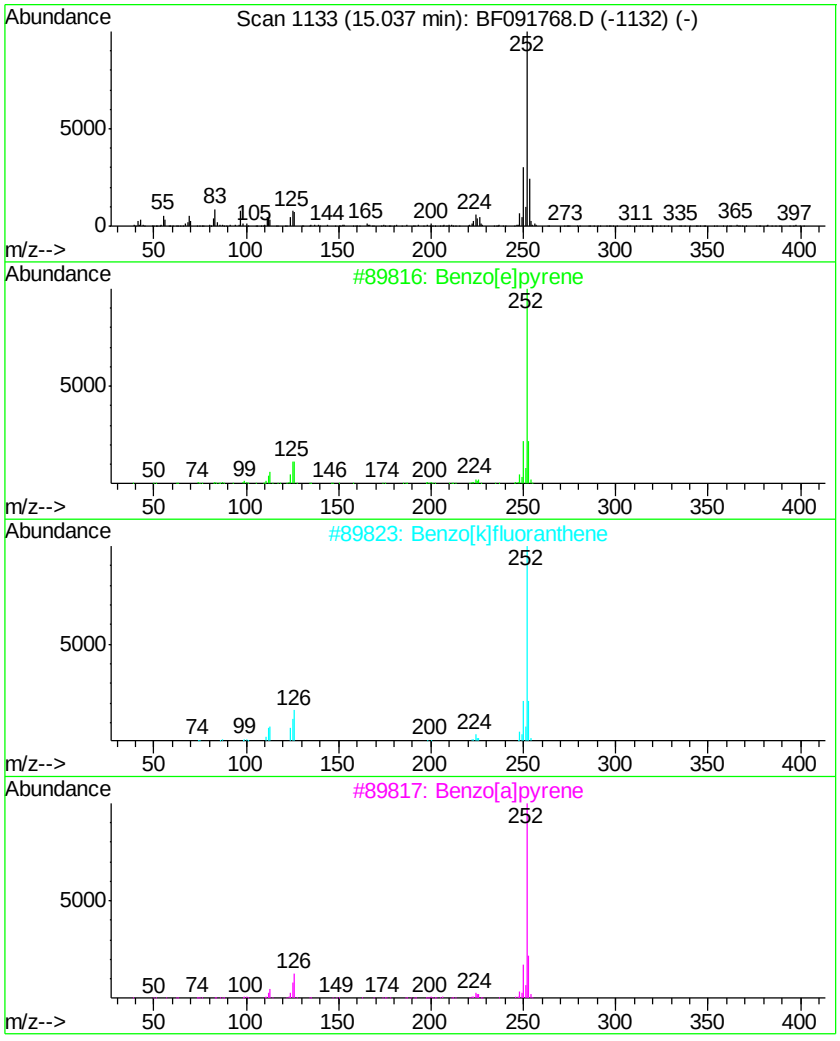
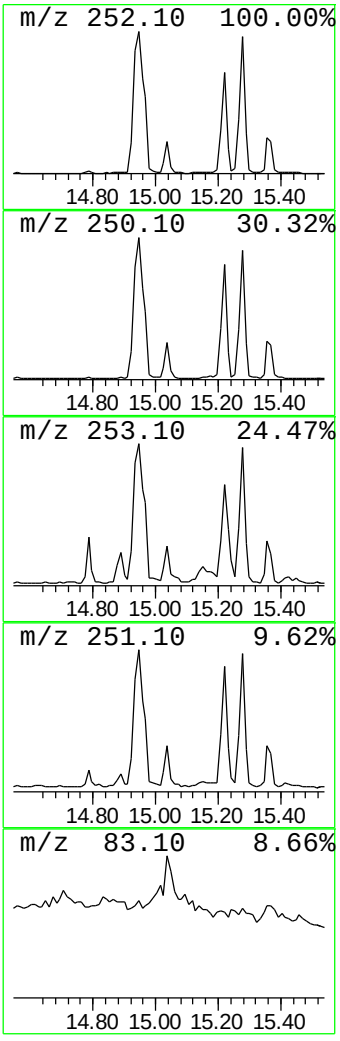
Peak Number 16 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	6.72 ng	380745	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	81
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
5	Perylene	252	C20H12	000198-55-0	76





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Operator : UM/SJ
Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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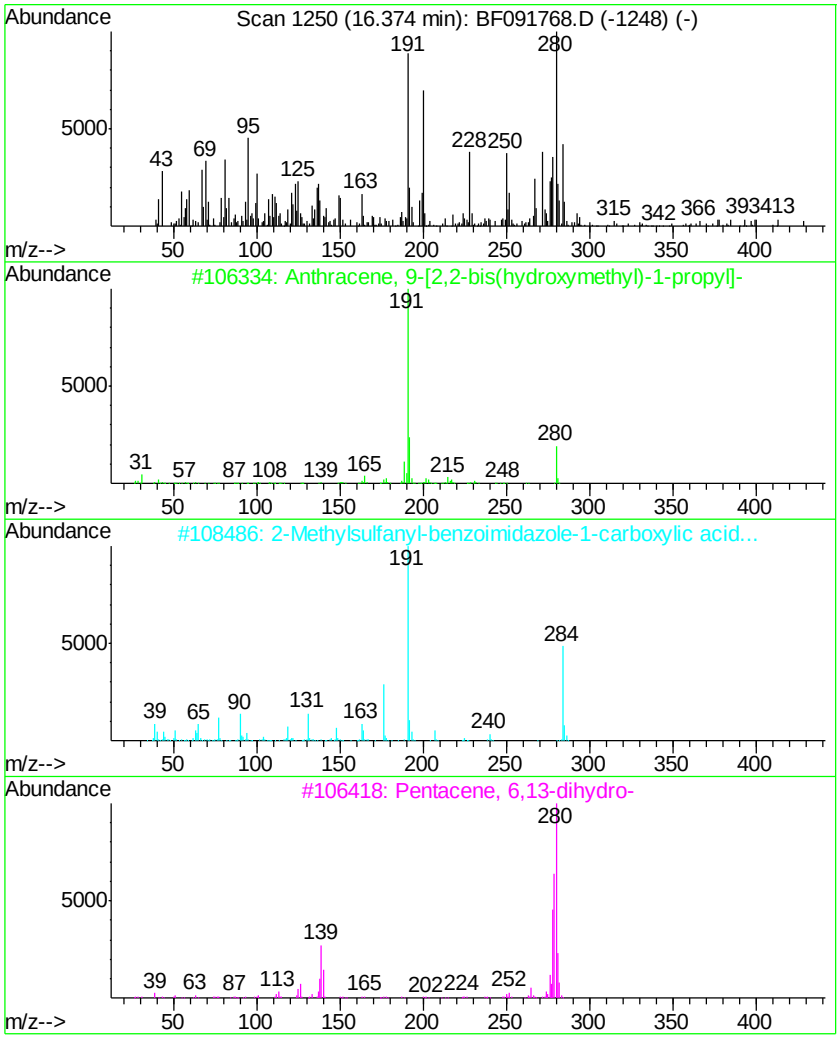
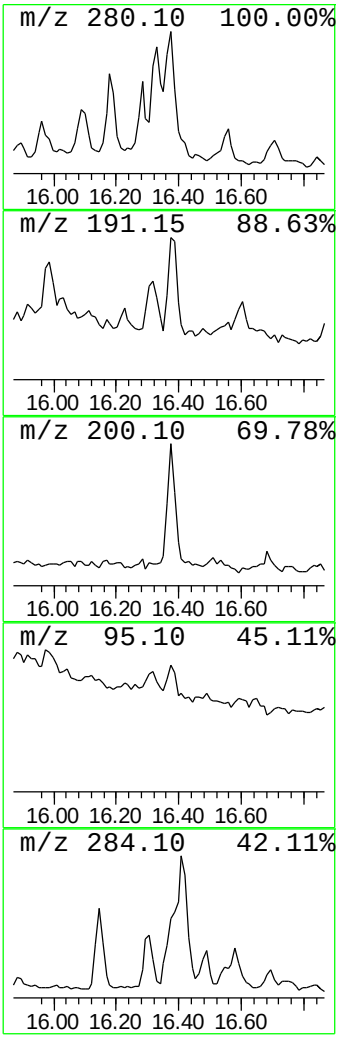
Peak Number 18 unknown16.37 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	11.91 ng	674303	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-[2,2-bis(hydroxyme...	280	C19H20O2	144000-85-1	35
2	2-Methylsulfanyl-benzoimidazole-...	284	C15H12N2O2S	1000294-32-8	35
3	Pentacene, 6,13-dihydro-	280	C22H16	013579-08-3	25
4	1H-Indene, 1-(diphenylmethylene)-	280	C22H16	013245-90-4	25
5	Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	14





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Sample : H6007-04 5X
Misc :
ALS Vial : 55 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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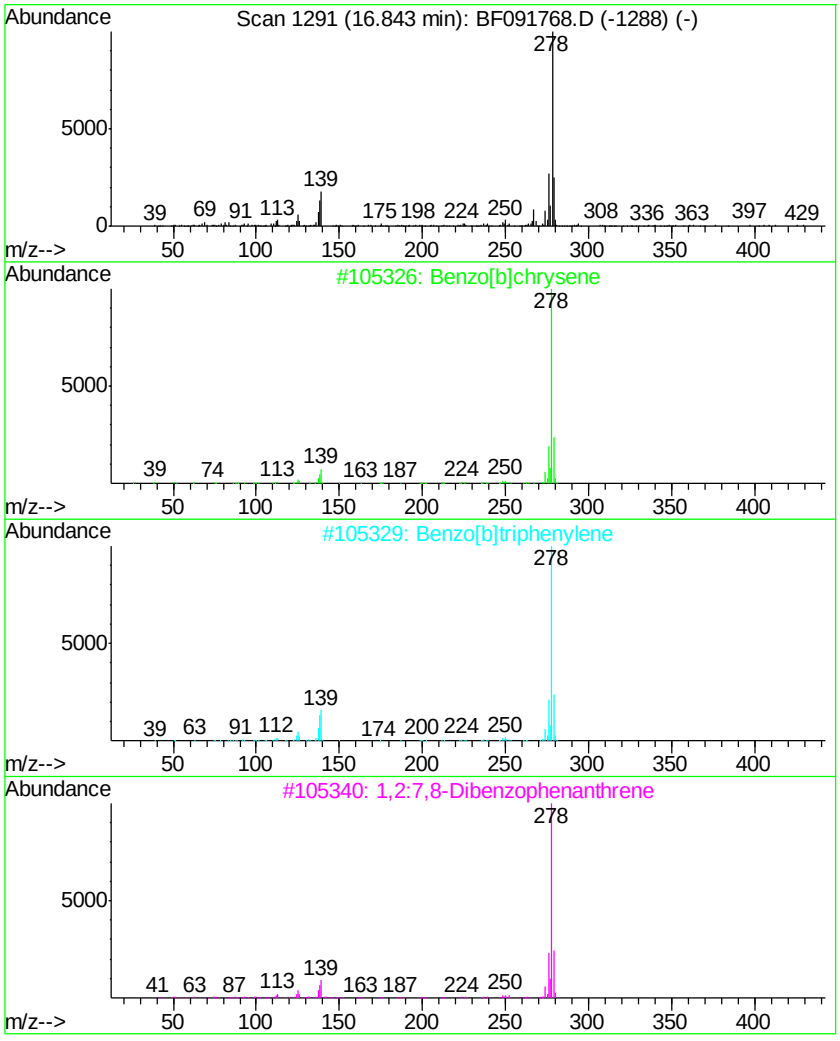
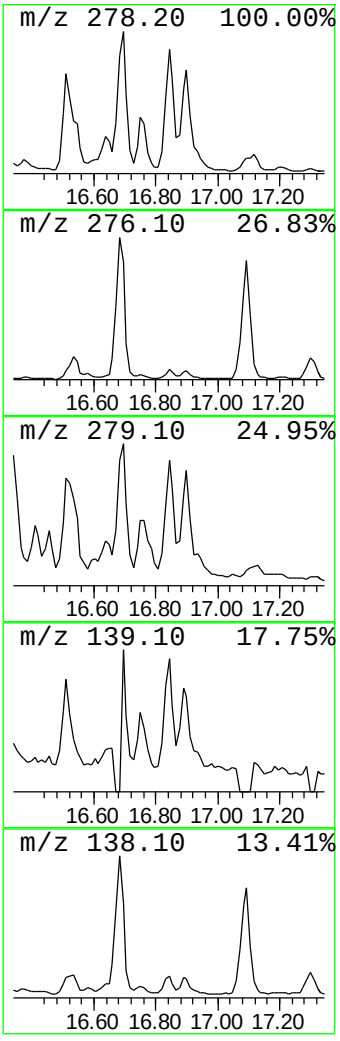
Peak Number 19 Benzo[b]chrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	7.24 ng	410127	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	97





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Sample : H6007-04 5X
Misc :
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Instrument : BNA_F
ClientSampleId : WC-10-10-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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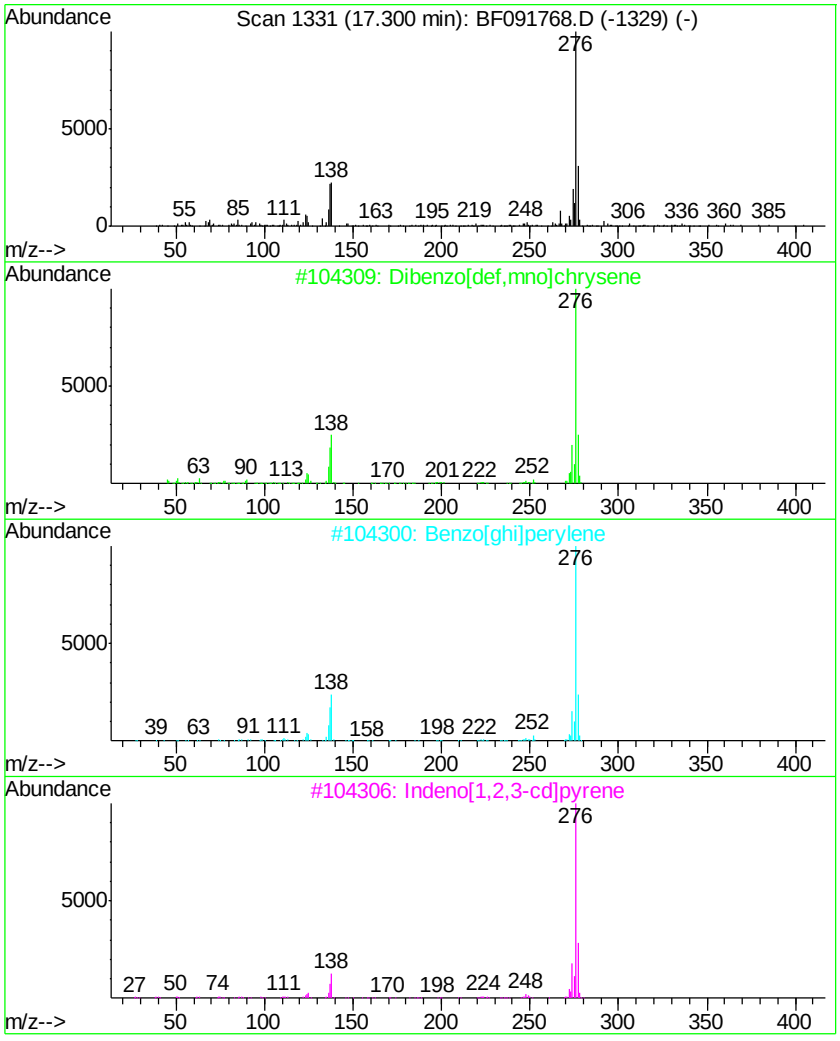
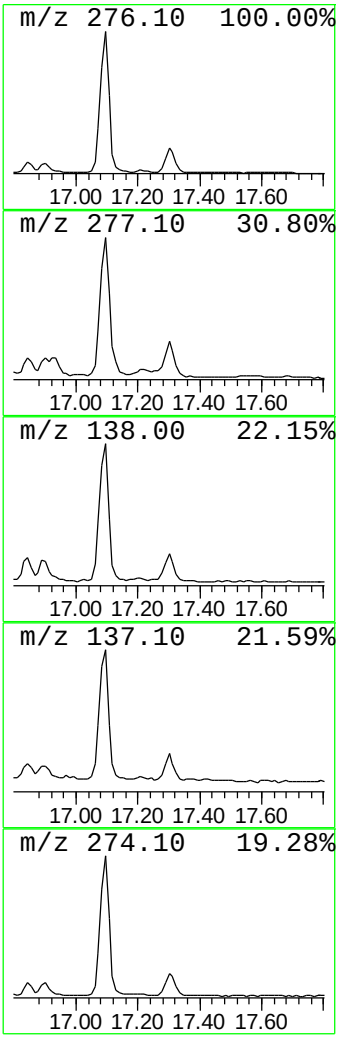
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	5.48 ng	310232	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121816\
Data File : BF091768.D
Acq On : 19 Dec 2016 6:42
Operator : UM/SJ
Sample : H6007-04 5X
Misc :
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ClientSampleId : WC-10-10-15

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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...	4.91	7.3	ng	439464	1	6.76	1199120	20.0
unknown6.53	6.53	20.5	ng	1231660	1	6.76	1199120	20.0
Phenol, 4-(1,1-di...	9.23	5.7	ng	439724	3	9.80	1531900	20.0
Benzene, 1,2,3,5-...	9.65	15.7	ng	1202900	3	9.80	1531900	20.0
9H-Fluoren-9-one	11.09	4.0	ng	359952	4	11.29	1793450	20.0
unknown11.15	11.15	14.8	ng	1329140	4	11.29	1793450	20.0
Phenanthrene, 2-m...	11.79	5.0	ng	443896	4	11.29	1793450	20.0
9,10-Anthracenedione	12.11	8.8	ng	784682	4	11.29	1793450	20.0
Cyclopenta(def)ph...	12.42	4.0	ng	354639	4	11.29	1793450	20.0
Pyrene, 1-methyl-	12.95	2.8	ng	728212	5	13.93	5135630	20.0
11H-Benzo[a]fluor...	13.56	2.5	ng	638694	5	13.93	5135630	20.0
Benzo[e]pyrene	15.04	6.7	ng	380745	6	15.33	1132530	20.0
unknown16.37	16.37	11.9	ng	674303	6	15.33	1132530	20.0
Benzo[b]chrysene	16.84	7.2	ng	410127	6	15.33	1132530	20.0
Dibenzo[def,mno]c...	17.30	5.5	ng	310232	6	15.33	1132530	20.0