LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

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-BF060716.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	1.712	10	11	51	rVB	671596	1700850	45.16%	3.349%
2	5.164	312	313	322	rBV2	327359	612746	16.27%	1.207%
3	6.250	406	408	415	rBV	462591	603892	16.03%	1.189%
4	6.353	415	417	420	rBV	679321	685458	18.20%	1.350%
5	6.581	435	437	441	rBV	369500	421696	11.20%	0.830%
6	6.741	449	451	453	rBV	416059	571291	15.17%	1.125%
7	7.153	486	487	490	rBV	328188	401536	10.66%	0.791%
8	7.873	547	550	555	rBV2	551316	844623	22.43%	1.663%
9	8.582	610	612	616	rVV	168344	170288	4.52%	0.335%
10	8.684	618	621	625	rVB2	75704	112631	2.99%	0.222%
11	8.947	641	644	648	rVV	960307	898763	23.86%	1.770%
12	9.039	650	652	657	rVV2	76533	122190	3.24%	0.241%
13	9.279	671	673	674	rVV	97364	95430	2.53%	0.188%
14	9.302	674	675	678	rVV	56006	86756	2.30%	0.171%
15	9.347	678	679	682	rVV2	165717	202019	5.36%	0.398%
16	9.473	688	690	693	rVV	631279	789022	20.95%	1.554%
17	9.610	700	702	704	rVV	439959	593671	15.76%	1.169%
18	9.644	704	705	710	rVV3	65729	85485	2.27%	0.168%
19	9.816	719	720	722	rVV	122065	167393	4.44%	0.330%
20	9.930	728	730	732	rBV3	64104	89038	2.36%	0.175%
21	10.067	740	742	744	rVV2	74495	107887	2.86%	0.212%
22	10.159	748	750	754	rVV2	81011	133798	3.55%	0.263%
23	10.273	758	760	762	rVV	80384	123205	3.27%	0.243%
24	10.319	762	764	768	rVV2	80374	151142	4.01%	0.298%
25	10.399	769	771	774	rVV2	328260	468401	12.44%	0.922%
26	10.536	780	783	786	rBV2	154985	249267	6.62%	0.491%
27	10.707	796	798	801	rBV4	41188	89593	2.38%	0.176%
28	10.856	804	811	814	rVV3	101206	230245	6.11%	0.453%
29	10.913	814	816	818	rBV	84159	128731	3.42%	0.253%
30	10.982	820	822	826	rVB2	73970	188785	5.01%	0.372%
31	11.096	829	832	833	rBV	387669	582804	15.47%	1.148%
32	11.119	833	834	837	rVV	794025	640237	17.00%	1.261%
33	11.165	837	838	840	rVV	508173	607026	16.12%	1.195%
34	11.210	840	842	845	rVB2	70251	98100	2.60%	0.193%

LSC Area Percent Report

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Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

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-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.336	850	853	856	rBV	253677	402385	10.68%	0.792%
36	11.405	856	859	861	rVB2	55008	88551	2.35%	0.174%
37	11.588	873	875	877	rBV	147311	213707	5.67%	0.421%
38	11.622	877	878	880	rVB	261924	215239	5.72%	0.424%
39	11.668	880	882	883	rBV	159741	146551	3.89%	0.289%
40	11.702	883	885	890	rVB2	371159	569463	15.12%	1.121%
41	11.805	893	894	898	rBV3	92645	114162	3.03%	0.225%
42	11.885	898	901	903	rBV2	150562	188581	5.01%	0.371%
43	11.919	903	904	906	rBV	171951	225182	5.98%	0.443%
44	12.033	912	914	916	rBV	67658	103915	2.76%	0.205%
45	12.136	921	923	925	rBV	211713	299995	7.97%	0.591%
46	12.193	925	928	930	rVV2	162948	322694	8.57%	0.635%
47	12.239	930	932	935	rVB	198615	291735	7.75%	0.574%
48	12.308	935	938	941	rBV	2161931	2557938	67.92%	5.037%
49	12.353	941	942	944	rVV2	69319	117427	3.12%	0.231%
50	12.399	944	946	948	rVB	312070	336812	8.94%	0.663%
51	12.445	948	950	955	rBV3	167911	345328	9.17%	0.680%
52	12.536	955	958	960	rBV	2011127	2912606	77.34%	5.735%
53	12.582	961	962	964	rVB2	158962	165477	4.39%	0.326%
54	12.673	966	970	974	rBV3	646108	1113374	29.56%	2.192%
55	12.753	974	977	979	rBV2	306249	538197	14.29%	1.060%
56	12.856	982	986	988	rVB2	463851	865232	22.97%	1.704%
57	12.925	988	992	993	rBV2	270843	424396	11.27%	0.836%
58	12.959	993	995	999	rVB	483995	614366	16.31%	1.210%
59	13.016	999	1000	1001	rBV	80507	97896	2.60%	0.193%
60	13.051	1001	1003	1004	rVV	253272	237407	6.30%	0.467%
61	13.085	1004	1006	1010	rVB3	190374	323702	8.60%	0.637%
62	13.153	1010	1012	1015	rVB3	70487	130540	3.47%	0.257%
63	13.256	1016	1021	1024	rBV5	142895	442253	11.74%	0.871%
64	13.371	1029	1031	1034	rVB	492210	526974	13.99%	1.038%
65	13.428	1034	1036	1038	rBV2	98655	145261	3.86%	0.286%
66	13.473	1038	1040	1043	rBV3	352463	766415	20.35%	1.509%
67	13.531	1043	1045	1048	rVB3	255931	519961	13.81%	1.024%
68	13.588	1048	1050	1053	rVB2	388045	531987	14.13%	1.048%
69	13.645	1053	1055	1058	rVB	71949	86507	2.30%	0.170%
70	13.725	1058	1062	1063	rBV	1567571	2614523	69.42%	5.148%
71	13.759	1063	1065	1070	rVB	1511745	1930913	51.27%	3.802%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

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-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.828	1070	1071	1072	rBV	129259	92284	2.45%	0.182%
73	13.885	1074	1076	1079	rVV3	165378	286806	7.62%	0.565%
74	13.942	1079	1081	1082	rVV2	108117	130748	3.47%	0.257%
75	14.113	1091	1096	1098	rBV	506802	838849	22.27%	1.652%
76	14.148	1098	1099	1100	rVV	144207	112549	2.99%	0.222%
77	14.239	1105	1107	1110	rVV3	265152	610477	16.21%	1.202%
78	14.308	1111	1113	1116	rVB2	150488	204600	5.43%	0.403%
79	14.434	1122	1124	1127	rBV3	147696	243741	6.47%	0.480%
80	14.491	1127	1129	1134	rVB4	84852	207625	5.51%	0.409%
81	14.594	1135	1138	1140	rVB2	232448	307868	8.17%	0.606%
82	14.742	1147	1151	1156	rBV	1496448	3766118	100.00%	7.416%
83	14.822	1156	1158	1163	rVB	627197	774460	20.56%	1.525%
84	14.902	1163	1165	1167	rBV2	104701	255323	6.78%	0.503%
85	14.994	1170	1173	1175	rVV	825351	1338822	35.55%	2.636%
86	15.051	1175	1178	1180	rVV	1049792	1482304	39.36%	2.919%
87	15.096	1180	1182	1183	rVV	226488	297637	7.90%	0.586%
88	15.119	1183	1184	1187	rVB2	380212	484330	12.86%	0.954%
89	15.245	1193	1195	1196	rBV	92210	135139	3.59%	0.266%
90	15.988	1258	1260	1262	rBV2	56997	91701	2.43%	0.181%
91	16.079	1266	1268	1271	rVB2	92882	156415	4.15%	0.308%
92	16.171	1274	1276	1281	rBV3	102938	295448	7.84%	0.582%
93	16.354	1288	1292	1295	rBV	692491	1430248	37.98%	2.816%
94	16.479	1300	1303	1306	rBV2	136841	306181	8.13%	0.603%
95	16.537	1306	1308	1311	rVB2	89025	151838	4.03%	0.299%
96	16.731	1321	1325	1333	rVB	399666	971290	25.79%	1.913%
97	16.937	1340	1343	1349	rVB3	94115	282789	7.51%	0.557%
98	18.617	1485	1490	1500	rBV2	125773	506915	13.46%	0.998%
99	18.788	1501	1505	1510	rBV	85199	331167	8.79%	0.652%
100	19.085	1528	1531	1539	rVB2	29977	107856	2.86%	0.212%

Sum of corrected areas: 50783179

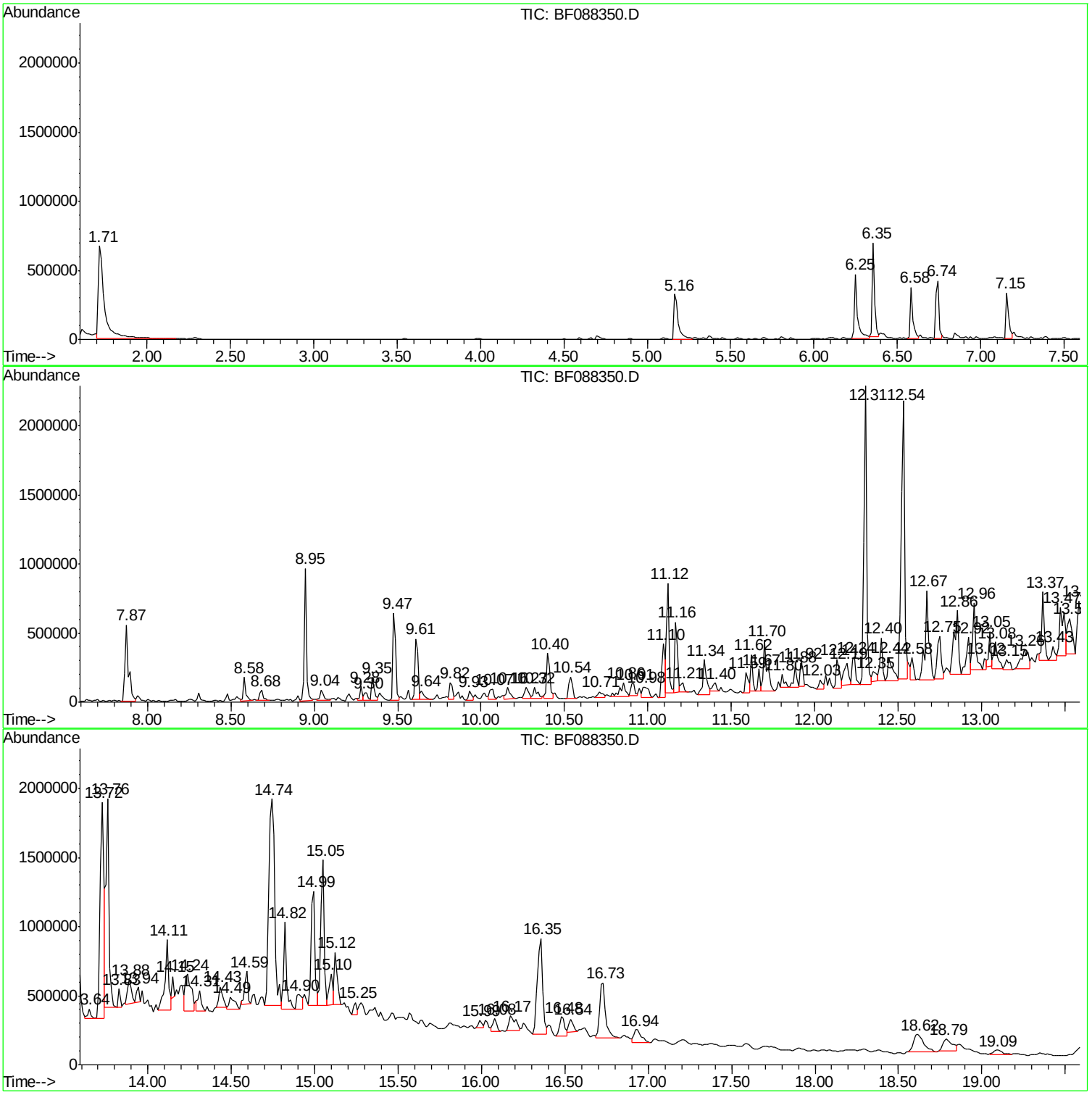
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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\BF062416\
Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
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Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

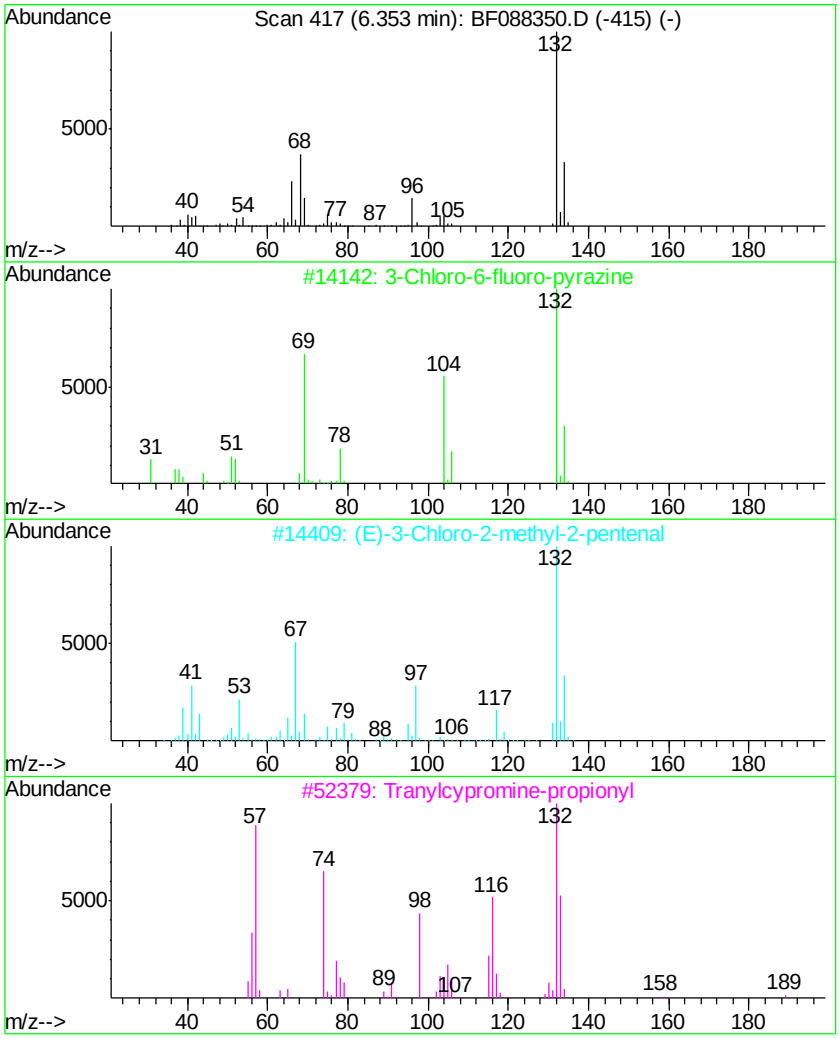
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

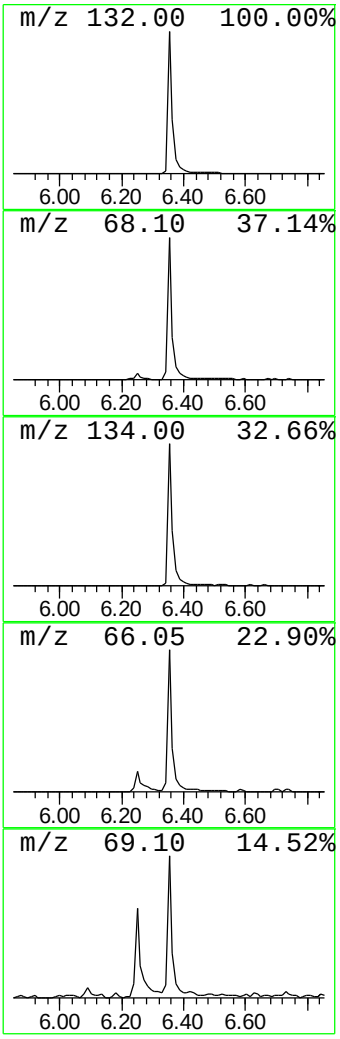
****

Peak Number 2 unknown6.35 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	32.51 ng	685458	1,4-Dichlorobenzene-d4	6.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

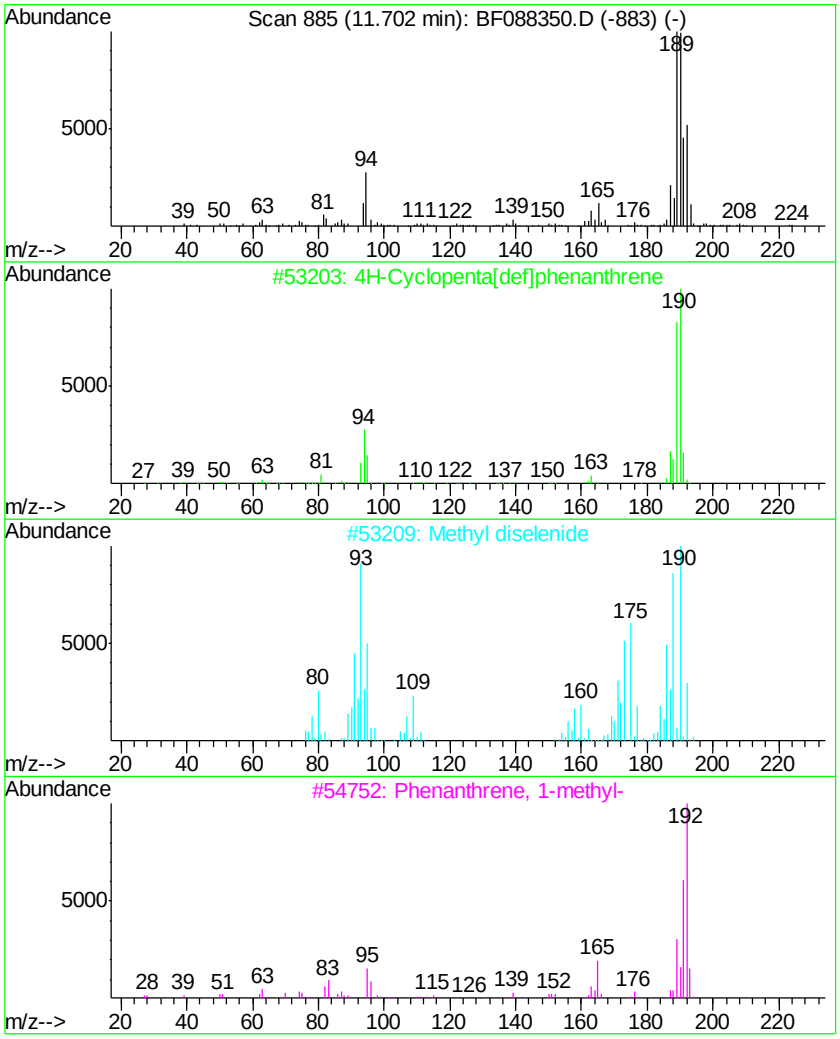
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

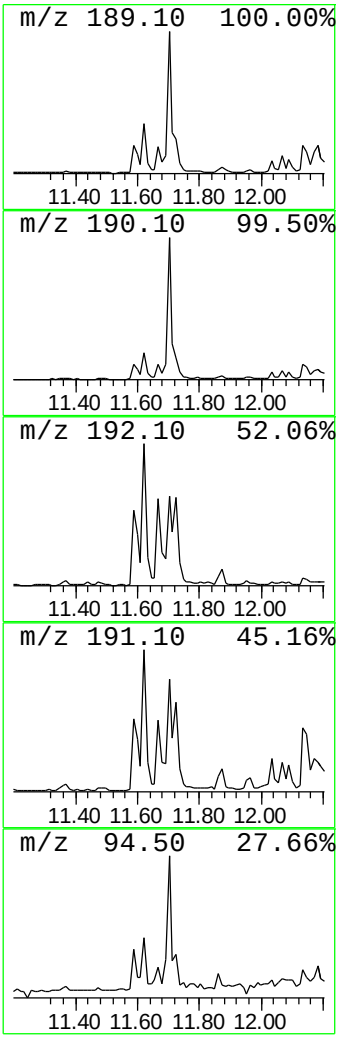
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	19.54 ng	569463	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Methyl diselenide	190	C2H6Se2	007101-31-7	38
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	20
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	15





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

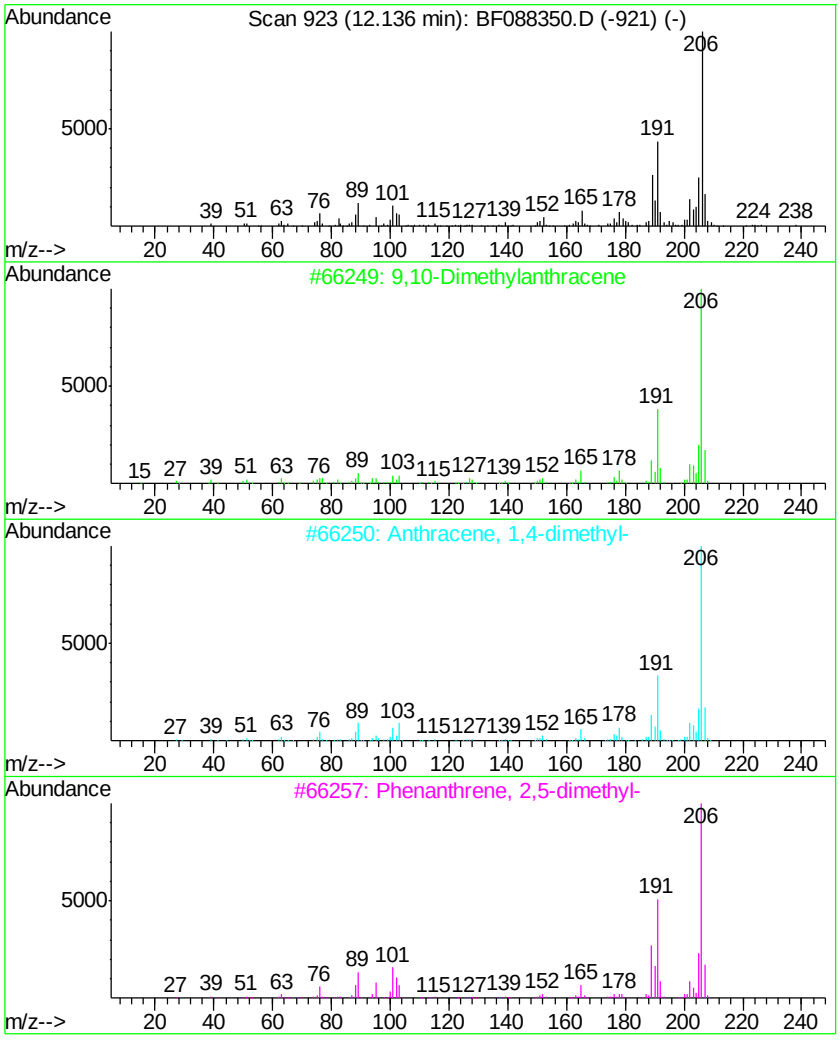
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

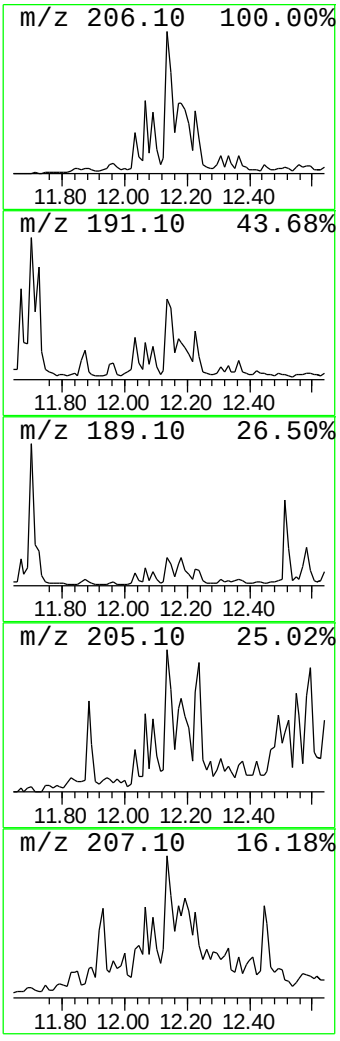
****

Peak Number 5 9,10-Dimethylanthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	10.29 ng	299995	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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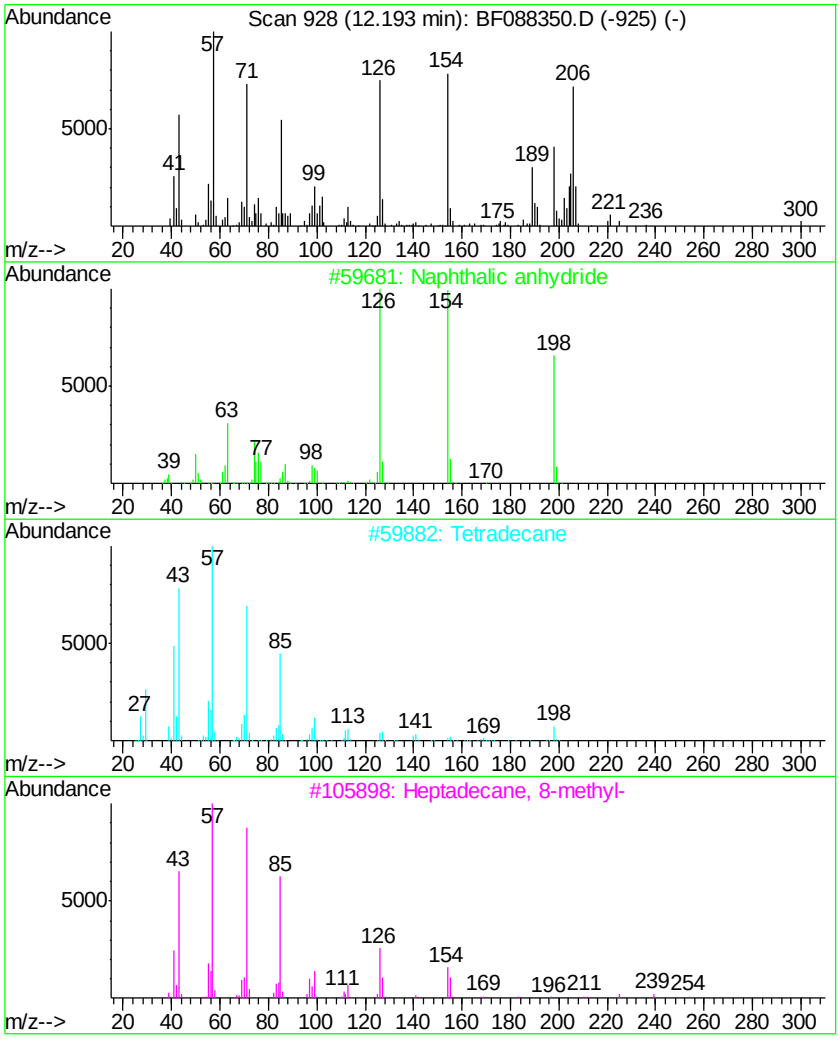
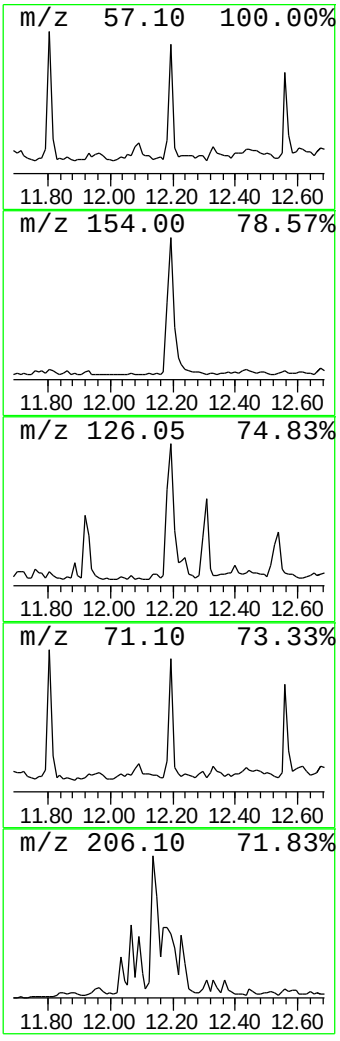
Peak Number 6 Naphthalic anhydride Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	11.07 ng	322694	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	94
2	Tetradecane	198	C14H30	000629-59-4	30
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	18
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	14
5	Hexacosane	366	C26H54	000630-01-3	11





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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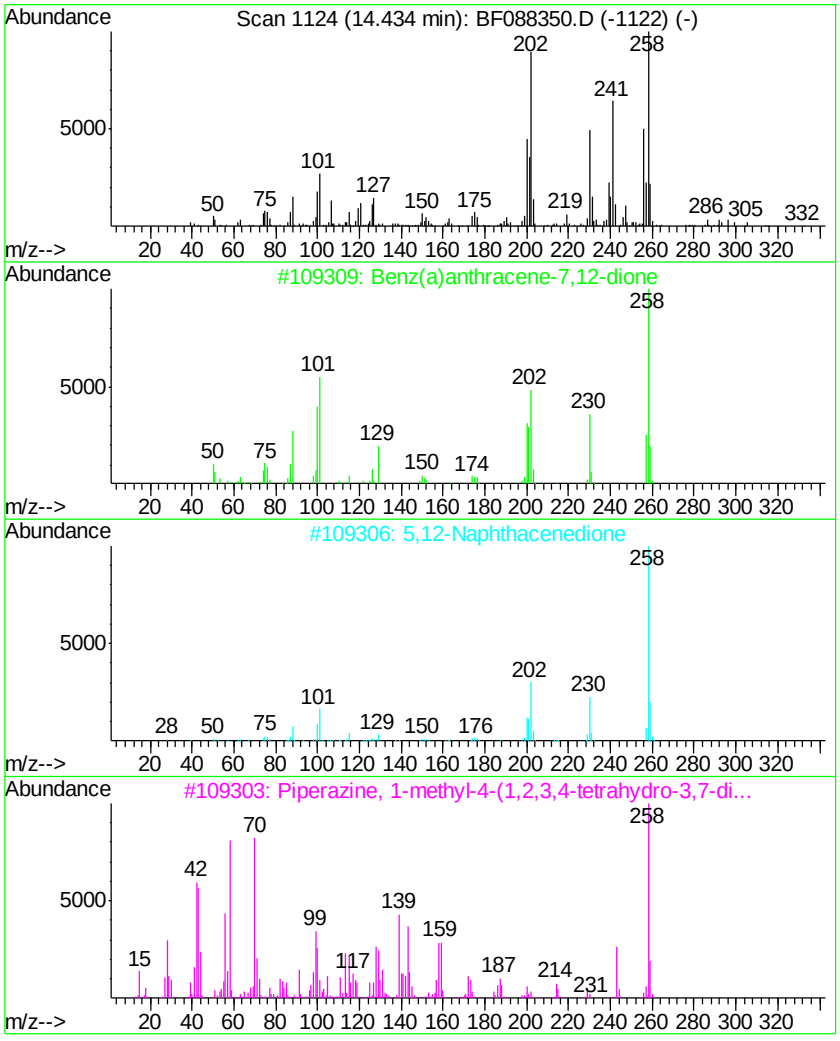
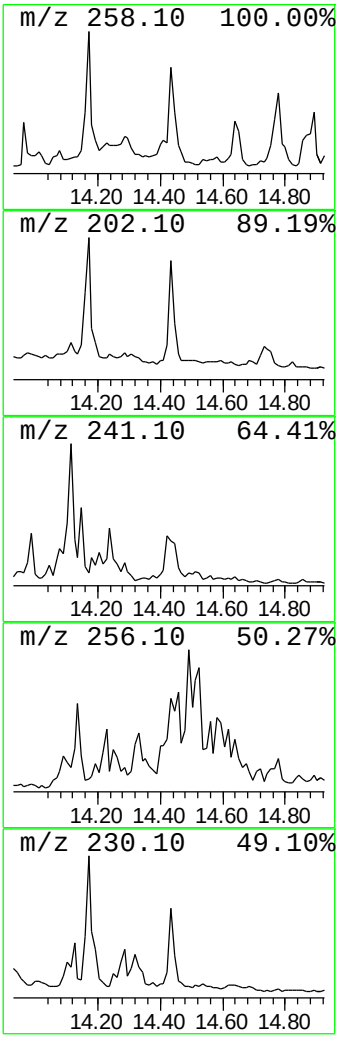
Peak Number 8 Benz(a)anthracene-7,12-dione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	16.38 ng	243741	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	95
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
4	Fluoranthene	202	C16H10	000206-44-0	59
5	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	45





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Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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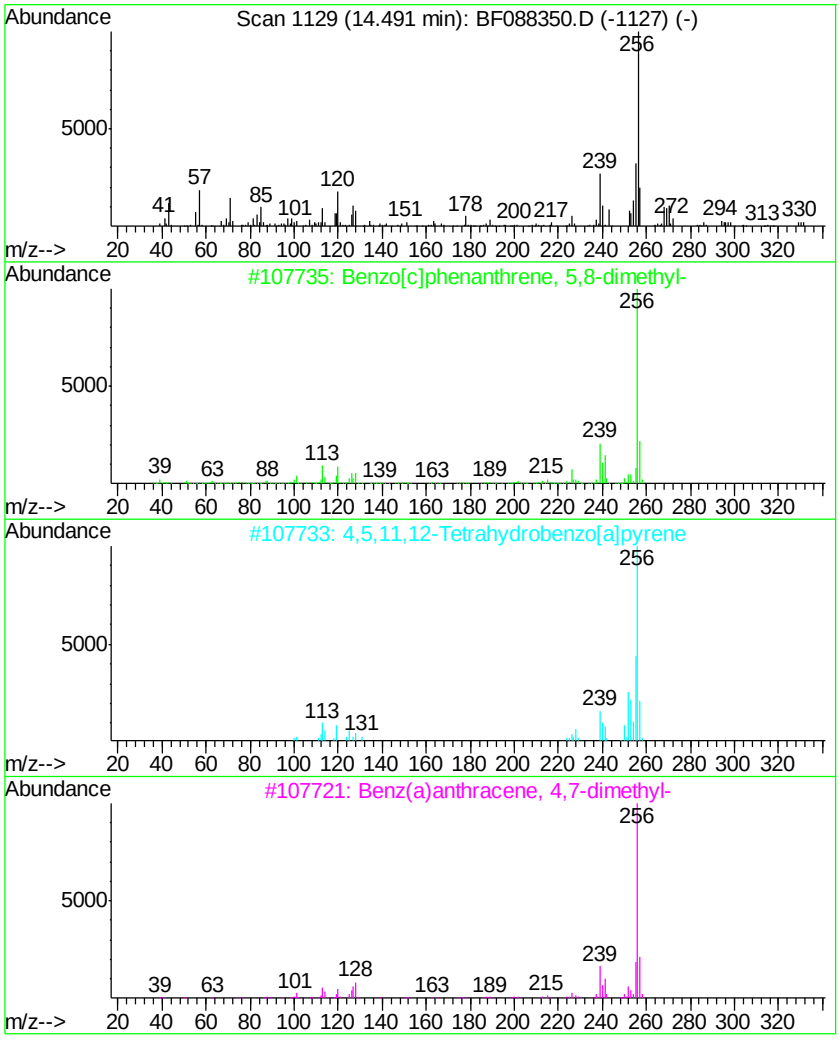
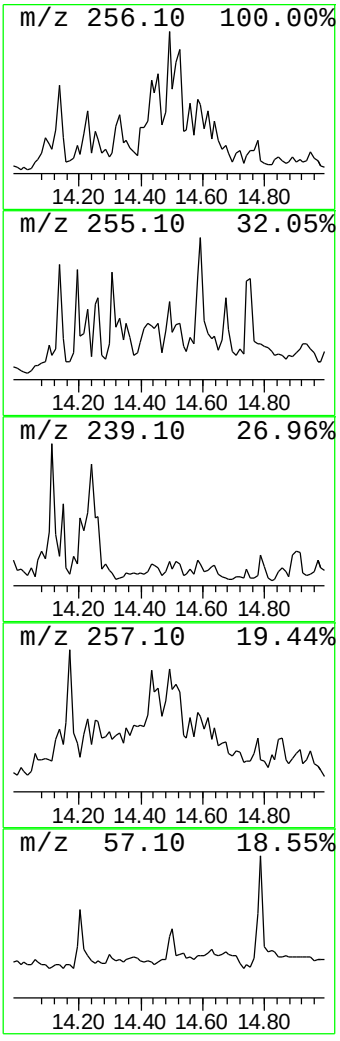
Peak Number 9 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	13.95 ng	207625	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	64
2	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	64
3	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	62
4	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	58
5	9H-Xanthen-9-one, 3,6-dihydroxy-...	256	C15H12O4	067065-96-7	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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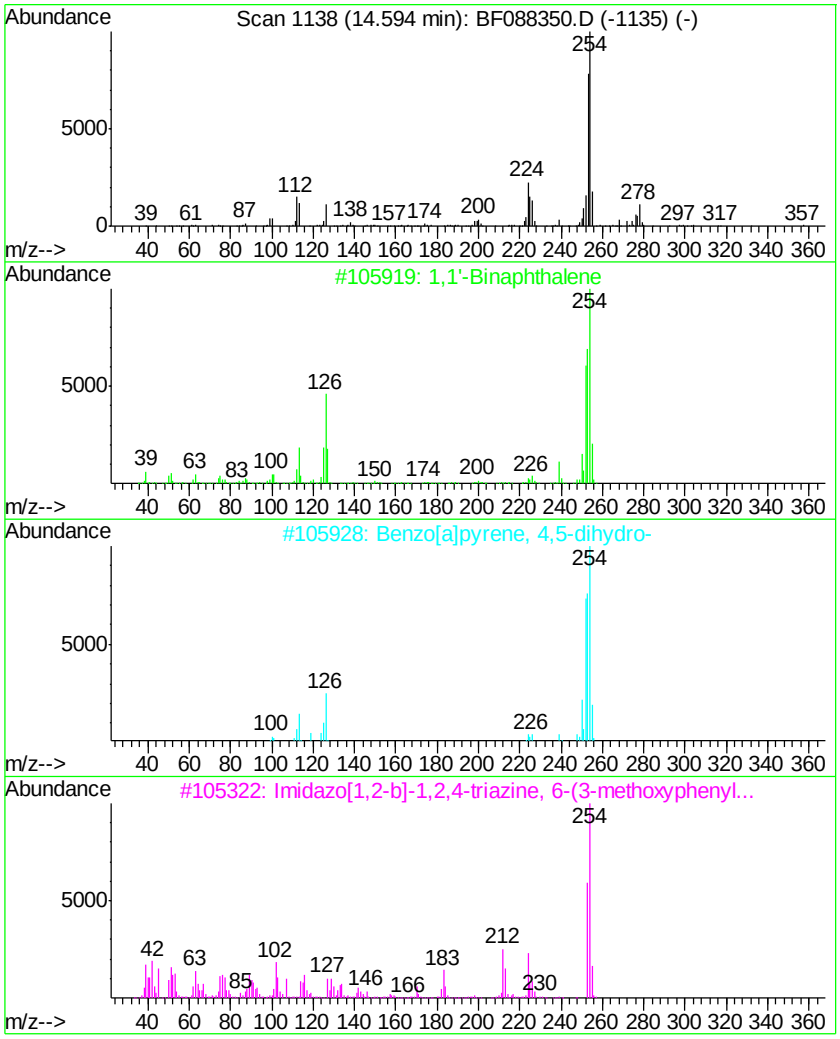
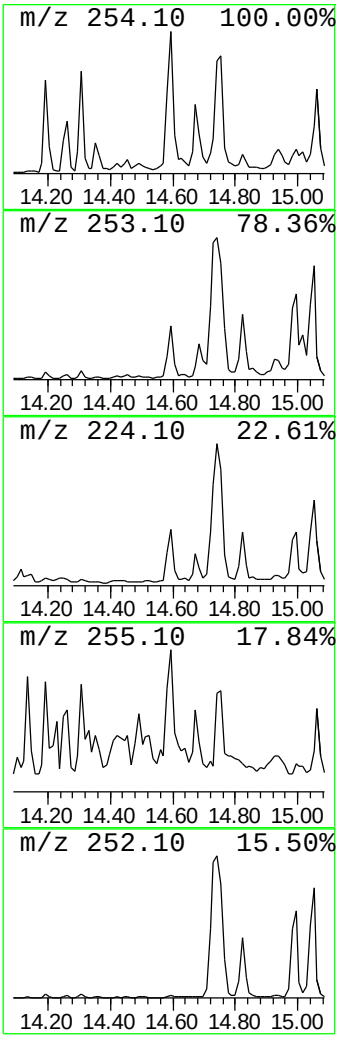
Peak Number 10 1,1'-Binaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	20.69 ng	307868	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	68
2	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	68
3	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	64
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64





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Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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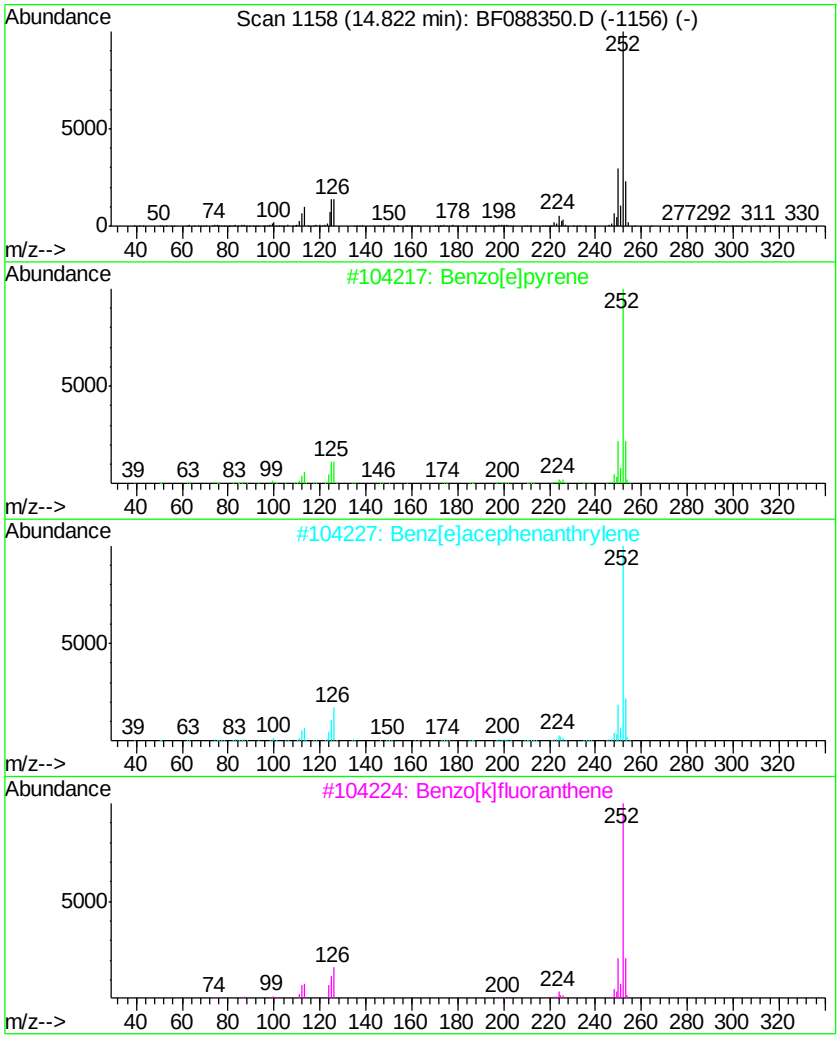
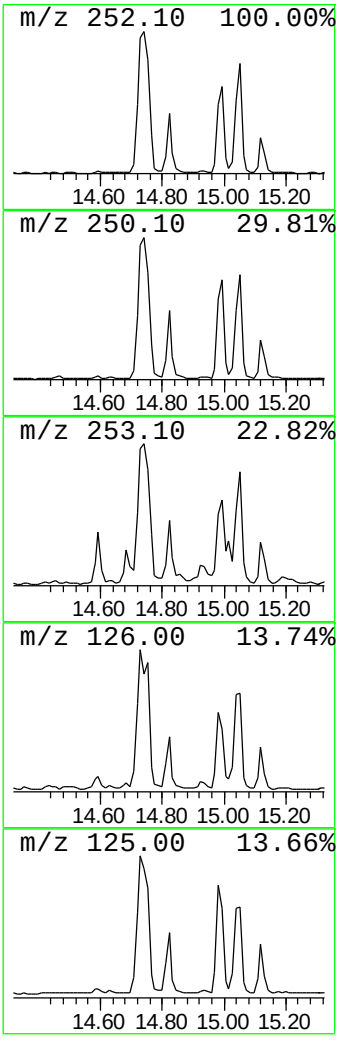
Peak Number 11 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	52.04 ng	774460	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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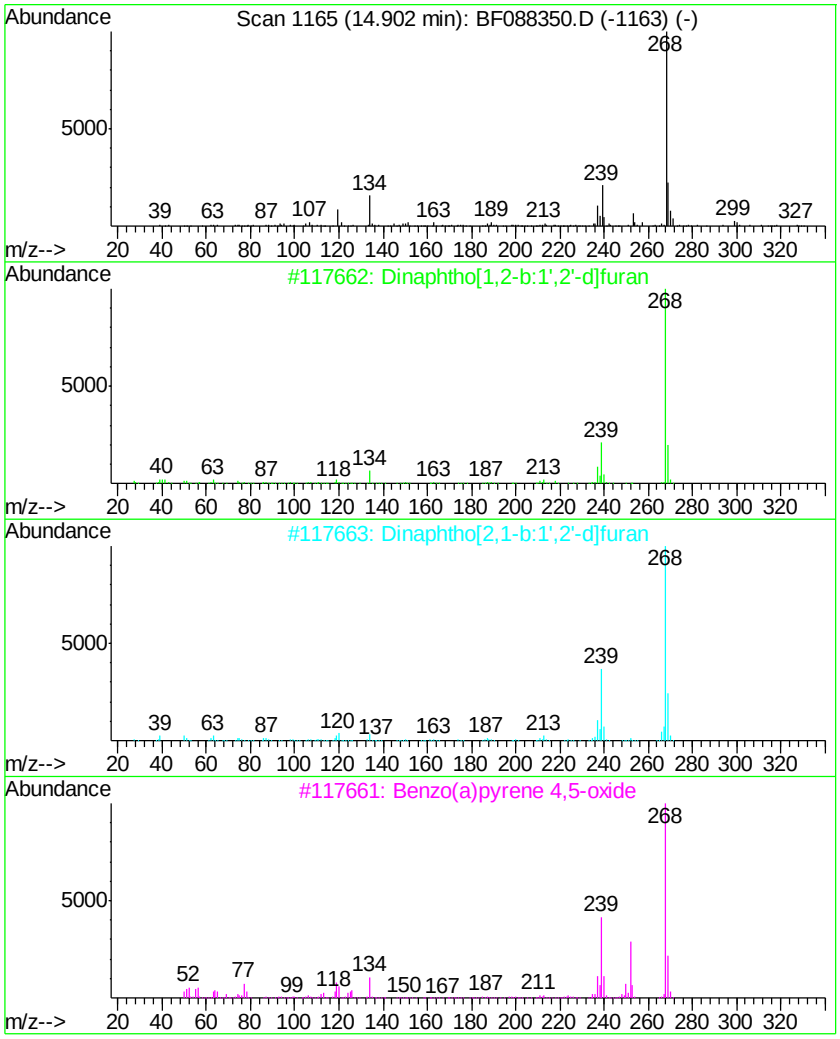
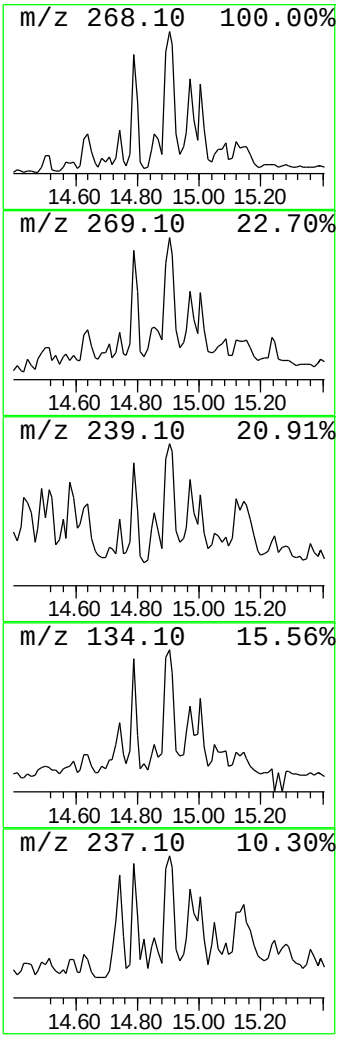
Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	17.16 ng	255323	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	90
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	59
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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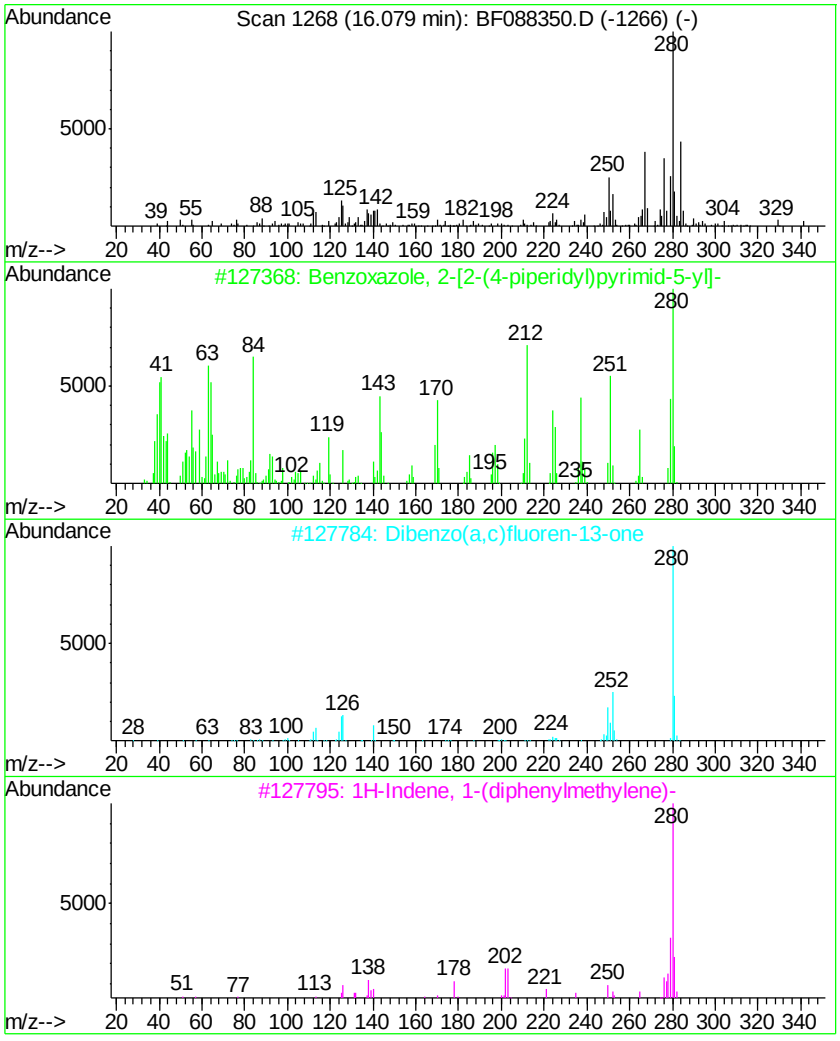
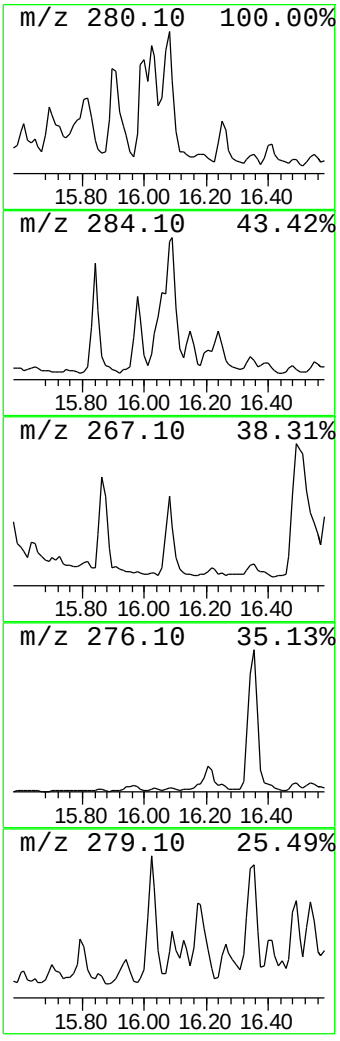
Peak Number 14 Benzoxazole, 2-[2-(4-piperi... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	10.51 ng	156415	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoxazole, 2-[2-(4-piperidyl)p...	280	C16H16N4O	1000294-14-8	83
2	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	52
3	1H-Indene, 1-(diphenylmethylene)-	280	C22H16	013245-90-4	46
4	Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	42
5	3-Benzo[1,2,5]thiadiazol-4-yl-3H...	280	C14H8N4OS	1000274-81-9	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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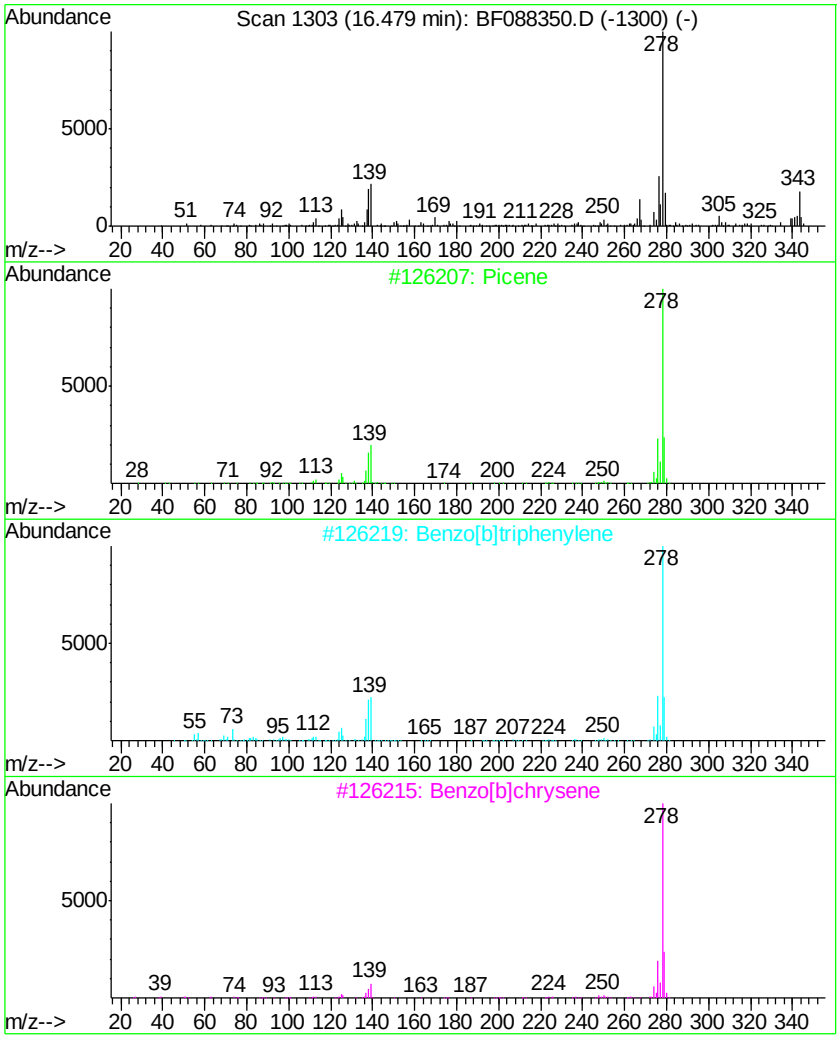
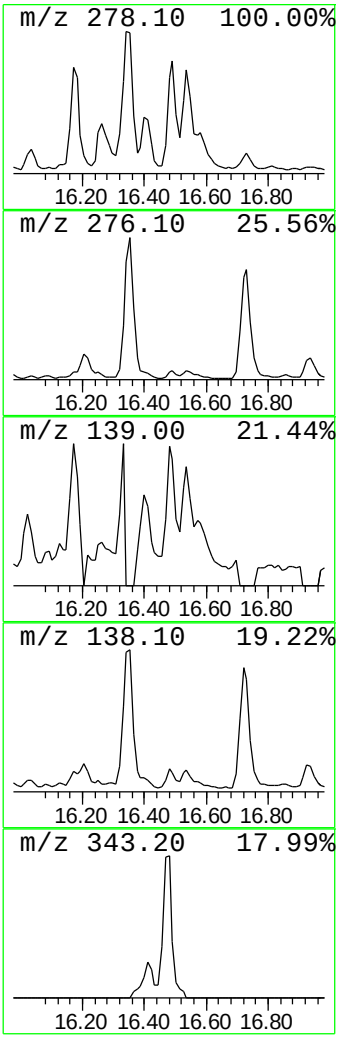
Peak Number 16 Picene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	20.57 ng	306181	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	92
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
3	Benzo[b]chrysene	278	C22H14	000214-17-5	86
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	83
5	Pentacene	278	C22H14	000135-48-8	78





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Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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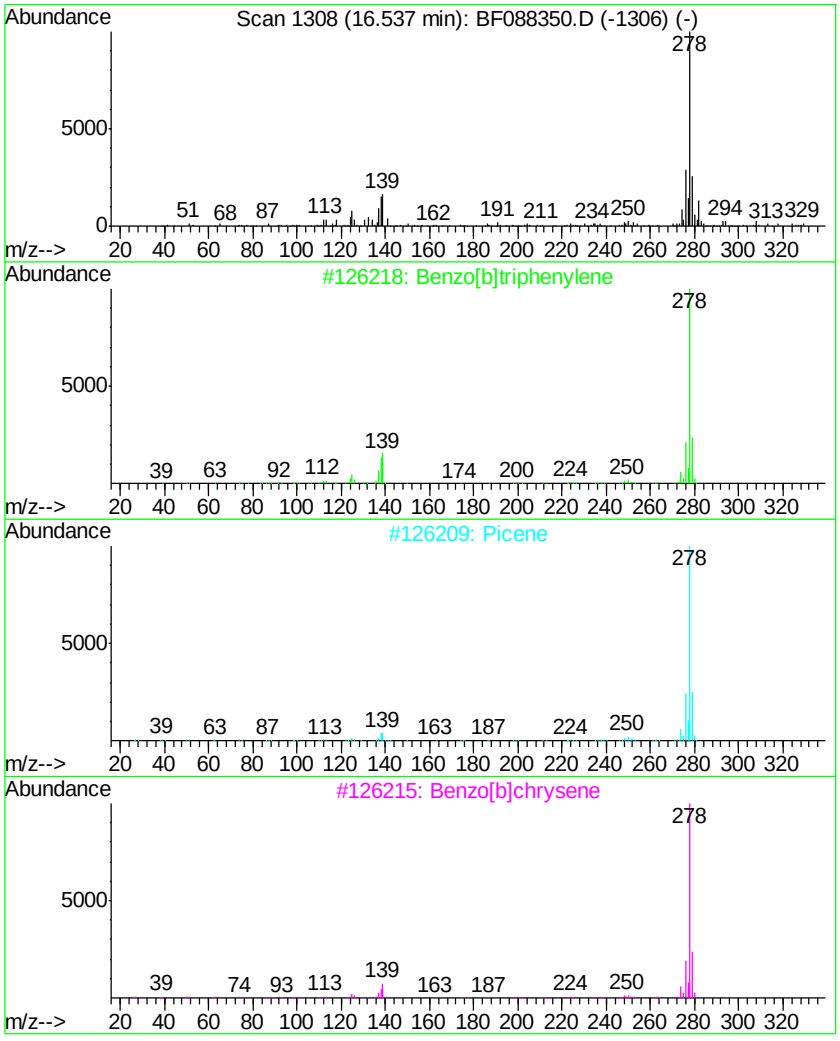
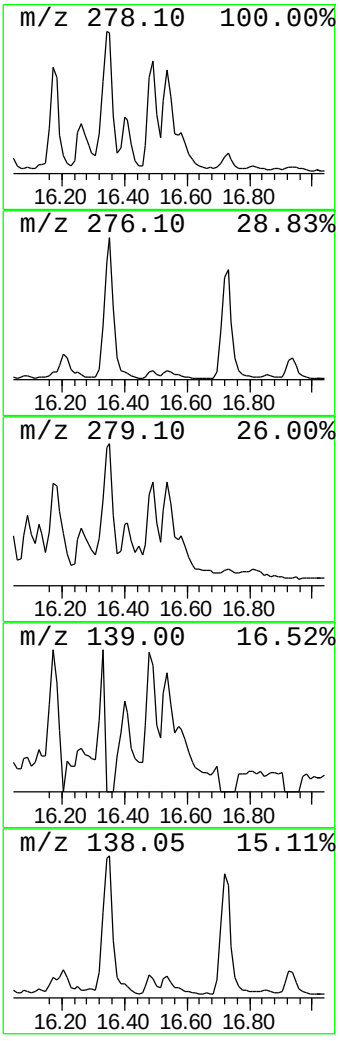
Peak Number 17 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	10.20 ng	151838	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	96
3	Benzo[b]chrysene	278	C22H14	000214-17-5	95
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
5	Pentaphene	278	C22H14	000222-93-5	95





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Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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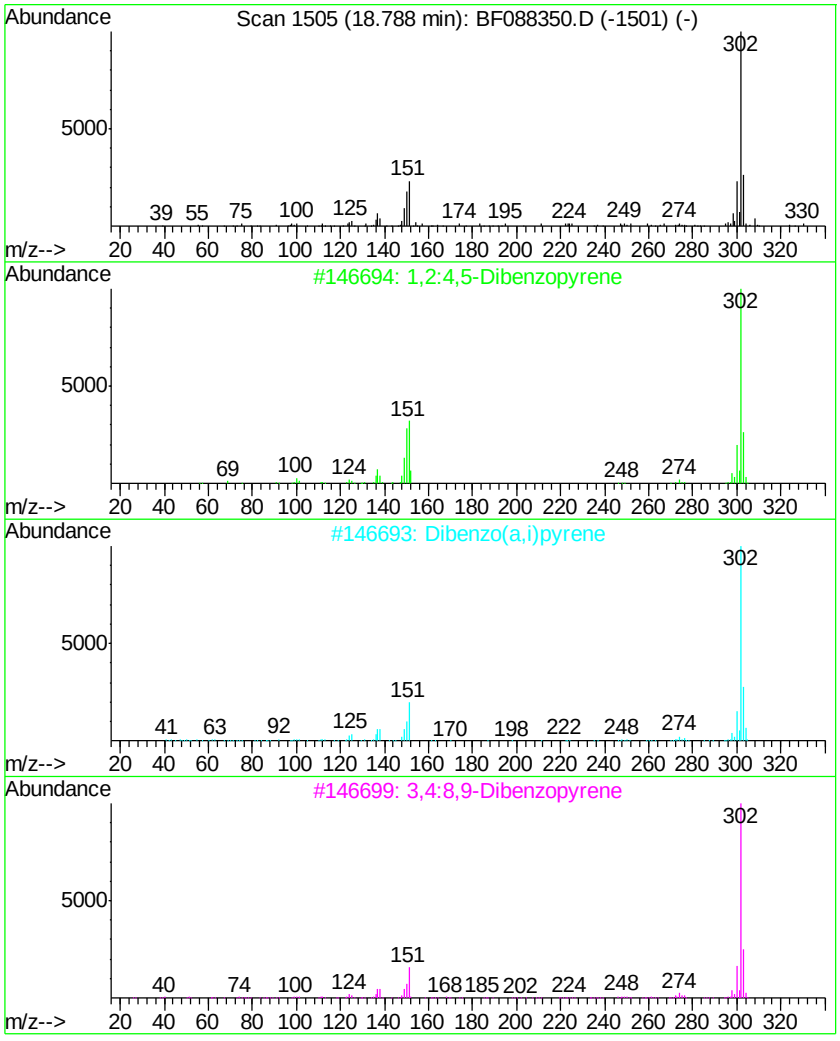
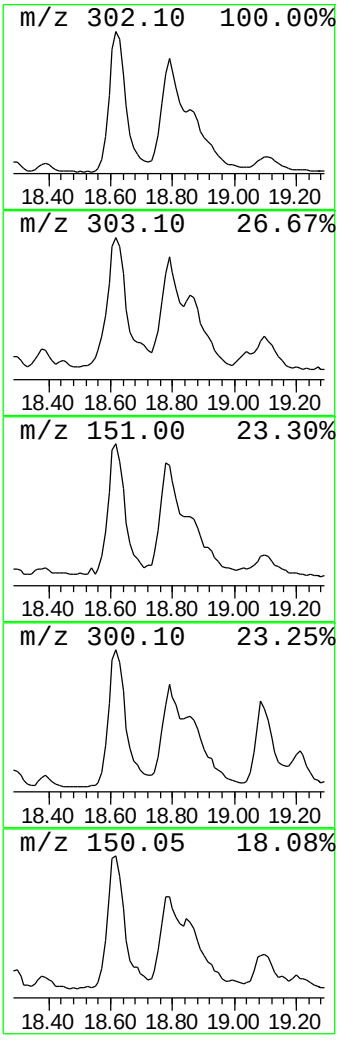
Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	22.25 ng	331167	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
2	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	90
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	90
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	90
5	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088350.D
Acq On : 25 Jun 2016 00:13
Operator : UM/SJ
Sample : H3599-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1402(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.35	6.35	32.5	ng	685458	1	6.58	421696	20.0
4H-Cyclopenta[def...	11.70	19.5	ng	569463	4	11.10	582804	20.0
9,10-Dimethylanth...	12.14	10.3	ng	299995	4	11.10	582804	20.0
Naphthalic anhydride	12.19	11.1	ng	322694	4	11.10	582804	20.0
Benz(a)anthracene...	14.43	16.4	ng	243741	6	15.10	297637	20.0
Benzo[c]phenanthr...	14.49	13.9	ng	207625	6	15.10	297637	20.0
1,1'-Binaphthalene	14.59	20.7	ng	307868	6	15.10	297637	20.0
Benzo[e]pyrene	14.82	52.0	ng	774460	6	15.10	297637	20.0
Dinaphtho[1,2-b:1...	14.90	17.2	ng	255323	6	15.10	297637	20.0
Benzoxazole, 2-[2...	16.08	10.5	ng	156415	6	15.10	297637	20.0
Picene	16.48	20.6	ng	306181	6	15.10	297637	20.0
Benzo[b]triphenylene	16.54	10.2	ng	151838	6	15.10	297637	20.0
1,2:4,5-Dibenzopy...	18.79	22.3	ng	331167	6	15.10	297637	20.0