LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088351.D
Acq On : 25 Jun 2016 00:42
Operator : UM/SJ
Sample : H3598-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1381(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	1.713	10	11	48	rVB	768187	1820947	43.45%	3.093%
2	5.164	311	313	322	rBV	364874	615717	14.69%	1.046%
3	6.250	405	408	415	rBV	475651	644299	15.38%	1.095%
4	6.353	415	417	420	rBV	734633	721340	17.21%	1.225%
5	6.582	435	437	441	rBV	365656	389267	9.29%	0.661%
6	6.742	449	451	453	rBV	394981	582539	13.90%	0.990%
7	7.153	486	487	499	rBV	365827	485051	11.57%	0.824%
8	7.873	547	550	552	rBV	458826	569619	13.59%	0.968%
9	8.948	641	644	646	rBV	1022634	897984	21.43%	1.526%
10	9.279	671	673	674	rVV	85900	86543	2.07%	0.147%
11	9.348	678	679	682	rVV	159770	169214	4.04%	0.287%
12	9.473	688	690	693	rVV	620280	689019	16.44%	1.171%
13	9.611	700	702	704	rVV	460413	549766	13.12%	0.934%
14	9.931	728	730	732	rBV	73963	92455	2.21%	0.157%
15	10.068	740	742	744	rVB2	75121	80525	1.92%	0.137%
16	10.159	748	750	753	rVB2	131501	164623	3.93%	0.280%
17	10.319	762	764	769	rBV2	71017	93212	2.22%	0.158%
18	10.399	769	771	774	rBV2	353242	419085	10.00%	0.712%
19	10.525	780	782	786	rBV2	89258	195922	4.68%	0.333%
20	10.708	796	798	801	rBV2	62463	118275	2.82%	0.201%
21	10.856	808	811	814	rVB2	106165	181961	4.34%	0.309%
22	11.119	830	834	837	rBV	986815	1480906	35.34%	2.516%
23	11.165	837	838	840	rVV	640620	748799	17.87%	1.272%
24	11.211	840	842	844	rVV2	116282	208242	4.97%	0.354%
25	11.256	844	846	850	rVB4	38473	96555	2.30%	0.164%
26	11.336	850	853	856	rBV2	149073	325299	7.76%	0.553%
27	11.382	856	857	861	rVV3	63795	162066	3.87%	0.275%
28	11.588	873	875	877	rBV	205758	286190	6.83%	0.486%
29	11.622	877	878	880	rVB	342404	280291	6.69%	0.476%
30	11.668	880	882	883	rBV	259321	240903	5.75%	0.409%
31	11.702	883	885	890	rVB2	497044	784094	18.71%	1.332%
32	11.805	893	894	898	rBV3	61287	109788	2.62%	0.187%
33	11.885	898	901	903	rBV2	188650	258946	6.18%	0.440%
34	11.931	903	905	906	rVB2	84673	104447	2.49%	0.177%

LSC Area Percent Report

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Acq On : 25 Jun 2016 00:42
Operator : UM/SJ
Sample : H3598-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1381(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	12.034	912	914	915	rBV	87357	79109	1.89%	0.134%
36	12.068	915	917	918	rVV	151436	138320	3.30%	0.235%
37	12.137	921	923	925	rBV	350941	516735	12.33%	0.878%
38	12.171	925	926	930	rVV2	168978	393903	9.40%	0.669%
39	12.239	930	932	935	rVB2	305821	377008	9.00%	0.640%
40	12.308	935	938	941	rBV	2238749	3547529	84.66%	6.027%
41	12.354	941	942	944	rVV2	96141	151410	3.61%	0.257%
42	12.399	944	946	948	rVB	287952	301091	7.19%	0.512%
43	12.445	948	950	953	rBV3	141742	279027	6.66%	0.474%
44	12.537	955	958	961	rBV2	2319701	4190518	100.00%	7.119%
45	12.582	961	962	964	rVB2	234151	267674	6.39%	0.455%
46	12.651	966	968	969	rBV	318040	396174	9.45%	0.673%
47	12.674	969	970	974	rVB2	656894	802551	19.15%	1.363%
48	12.754	974	977	980	rBV2	508770	903657	21.56%	1.535%
49	12.857	982	986	988	rVB2	637822	1275934	30.45%	2.168%
50	12.925	988	992	993	rBV	352820	482981	11.53%	0.821%
51	12.960	993	995	999	rVB	706963	900315	21.48%	1.529%
52	13.017	999	1000	1001	rBV	109149	119634	2.85%	0.203%
53	13.051	1001	1003	1004	rVV	433024	369315	8.81%	0.627%
54	13.085	1004	1006	1010	rVB3	392036	567227	13.54%	0.964%
55	13.154	1010	1012	1016	rVB4	135288	203511	4.86%	0.346%
56	13.280	1016	1023	1026	rBV4	177184	673223	16.07%	1.144%
57	13.337	1026	1028	1029	rBV	83509	115918	2.77%	0.197%
58	13.371	1029	1031	1034	rVB	587675	648632	15.48%	1.102%
59	13.428	1034	1036	1037	rVB	84649	81972	1.96%	0.139%
60	13.474	1037	1040	1043	rBV3	490490	1171074	27.95%	1.989%
61	13.531	1043	1045	1048	rVB3	371568	676058	16.13%	1.149%
62	13.588	1048	1050	1053	rVB2	437904	569477	13.59%	0.967%
63	13.725	1058	1062	1063	rBV	1910302	3124313	74.56%	5.308%
64	13.760	1063	1065	1069	rVV	1714703	2599168	62.02%	4.416%
65	13.828	1069	1071	1073	rVB2	183574	190694	4.55%	0.324%
66	13.885	1073	1076	1079	rBV3	266547	507099	12.10%	0.861%
67	13.942	1079	1081	1084	rVB2	175504	283299	6.76%	0.481%
68	14.114	1091	1096	1098	rBV	676320	1153590	27.53%	1.960%
69	14.148	1098	1099	1100	rVV	321501	258681	6.17%	0.439%
70	14.194	1100	1103	1105	rVV4	190038	441268	10.53%	0.750%
71	14.240	1105	1107	1110	rVB3	291154	580101	13.84%	0.985%

LSC Area Percent Report

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Acq On : 25 Jun 2016 00:42
Operator : UM/SJ
Sample : H3598-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1381(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	14.434	1122	1124	1127	rVB2	214914	301723	7.20%	0.513%
73	14.514	1127	1131	1133	rVB4	116573	253697	6.05%	0.431%
74	14.594	1133	1138	1139	rBV3	303300	557682	13.31%	0.947%
75	14.628	1139	1141	1143	rVB3	91471	143903	3.43%	0.244%
76	14.674	1143	1145	1147	rVB2	71561	96944	2.31%	0.165%
77	14.731	1147	1150	1156	rVB	1536399	4049699	96.64%	6.880%
78	14.823	1156	1158	1160	rBV	497890	535466	12.78%	0.910%
79	14.891	1163	1164	1167	rBV	101307	216006	5.15%	0.367%
80	14.983	1170	1172	1175	rBV	828918	1394159	33.27%	2.368%
81	15.051	1175	1178	1180	rVV	1108401	1723448	41.13%	2.928%
82	15.120	1182	1184	1188	rVB2	468442	607817	14.50%	1.033%
83	15.234	1193	1194	1196	rBV	74380	107808	2.57%	0.183%
84	15.463	1211	1214	1216	rBV2	70773	140890	3.36%	0.239%
85	15.565	1221	1223	1227	rVB2	99151	162198	3.87%	0.276%
86	15.691	1232	1234	1238	rVB3	43198	90562	2.16%	0.154%
87	15.988	1257	1260	1261	rBV3	51019	89791	2.14%	0.153%
88	16.023	1261	1263	1265	rVV2	79960	149860	3.58%	0.255%
89	16.068	1265	1267	1271	rVB2	92164	180118	4.30%	0.306%
90	16.171	1273	1276	1277	rVV3	111695	207453	4.95%	0.352%
91	16.251	1281	1283	1287	rVB2	64604	126317	3.01%	0.215%
92	16.343	1287	1291	1294	rBV	624454	1199100	28.61%	2.037%
93	16.400	1294	1296	1299	rVB2	88336	151154	3.61%	0.257%
94	16.480	1300	1303	1305	rBV	147714	288371	6.88%	0.490%
95	16.526	1305	1307	1311	rVV2	110122	234615	5.60%	0.399%
96	16.606	1311	1314	1318	rVV3	69852	199020	4.75%	0.338%
97	16.720	1321	1324	1332	rVB	390518	861467	20.56%	1.463%
98	16.926	1339	1342	1348	rVB2	84486	202034	4.82%	0.343%
99	18.606	1484	1489	1499	rVB2	94362	379952	9.07%	0.645%
100	18.777	1500	1504	1508	rBV2	59714	220397	5.26%	0.374%

Sum of corrected areas: 58863730

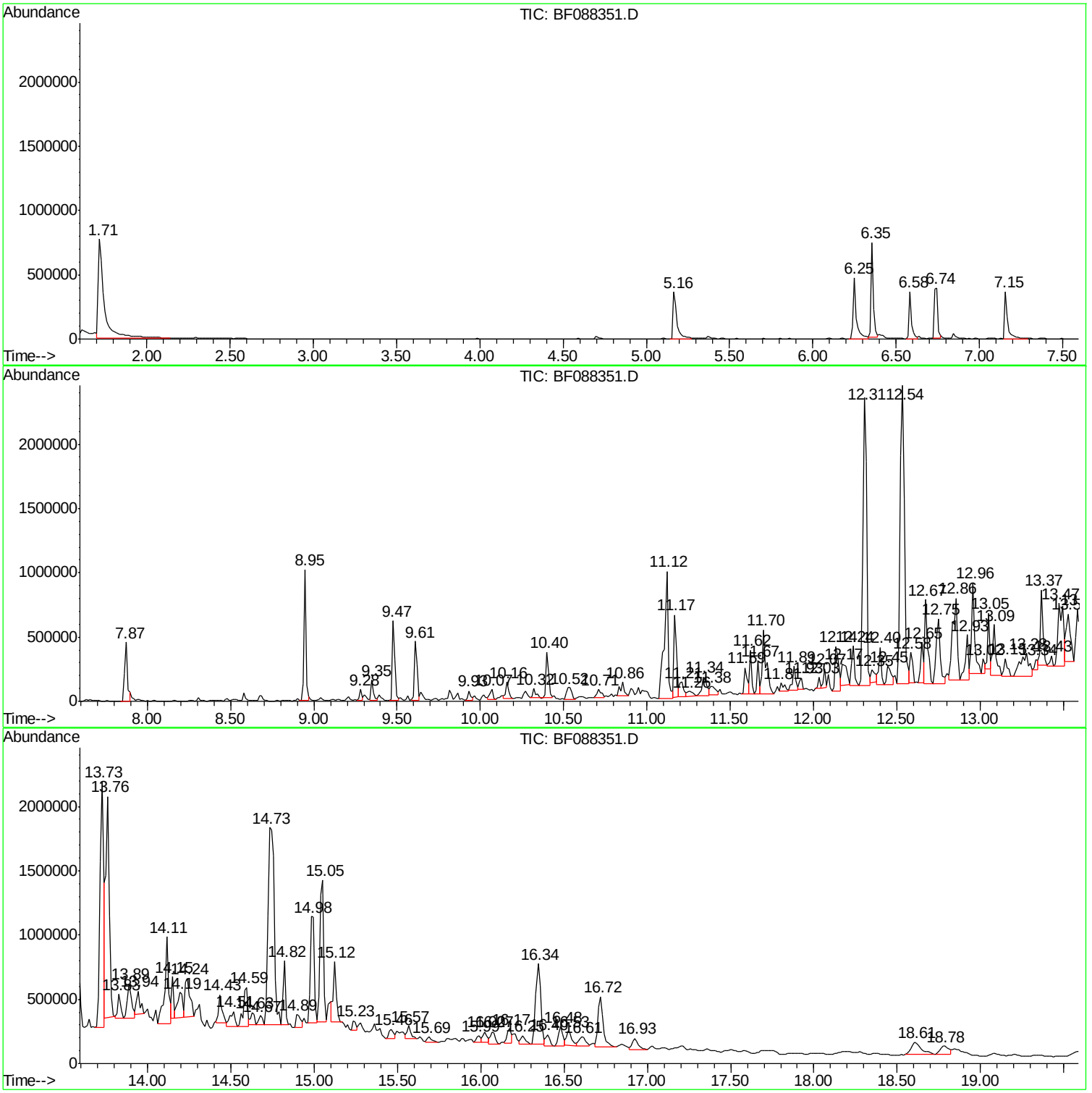
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088351.D
Acq On : 25 Jun 2016 00:42
Operator : UM/SJ
Sample : H3598-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-STA-1381(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\
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Operator : UM/SJ
Sample : H3598-10 2X
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

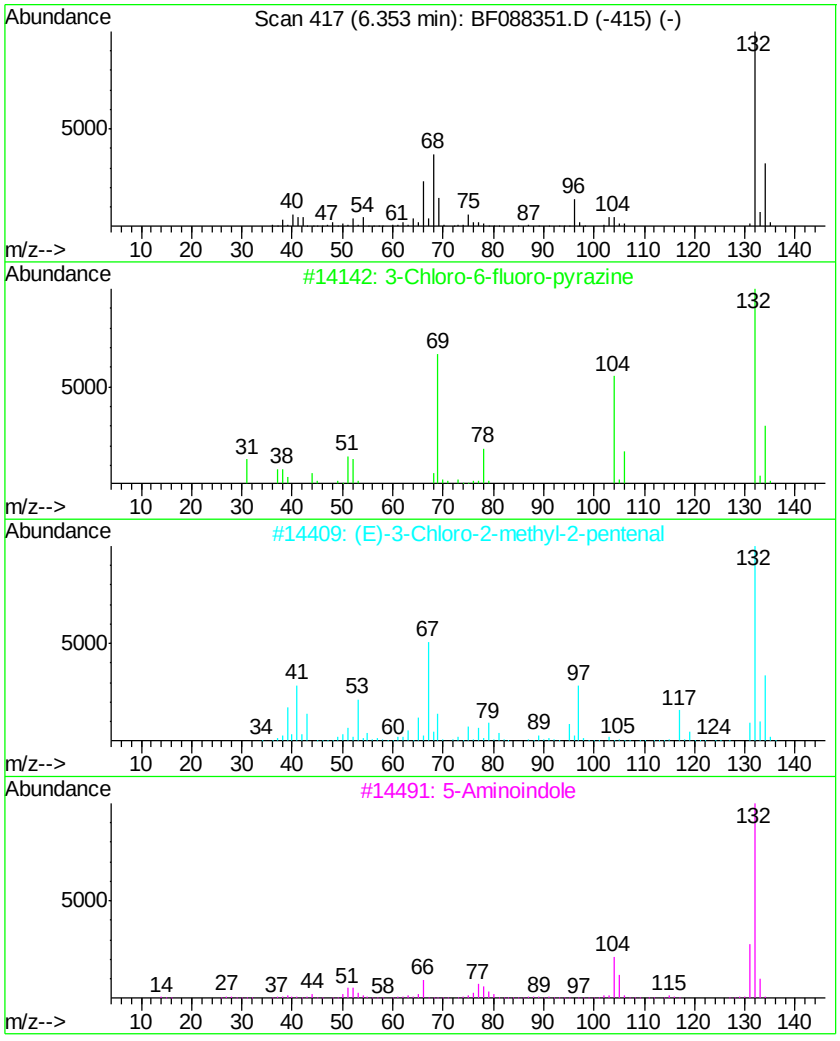
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

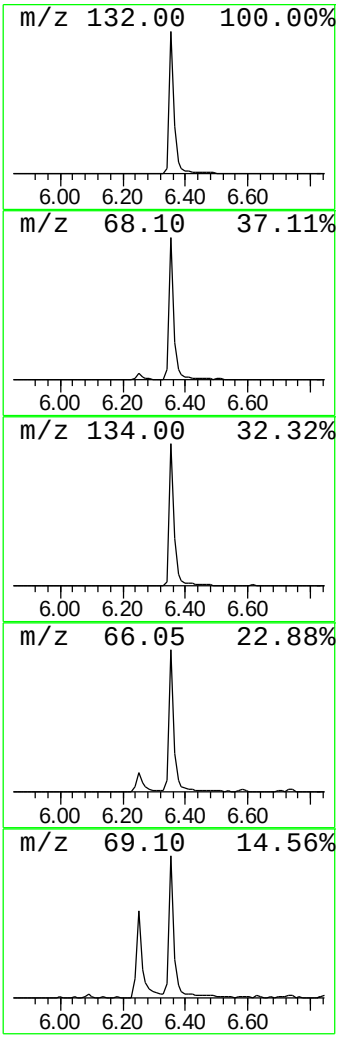
****

Peak Number 2 unknown6.35 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	37.06 ng	721340	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	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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Sample : H3598-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1381(0-4)

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

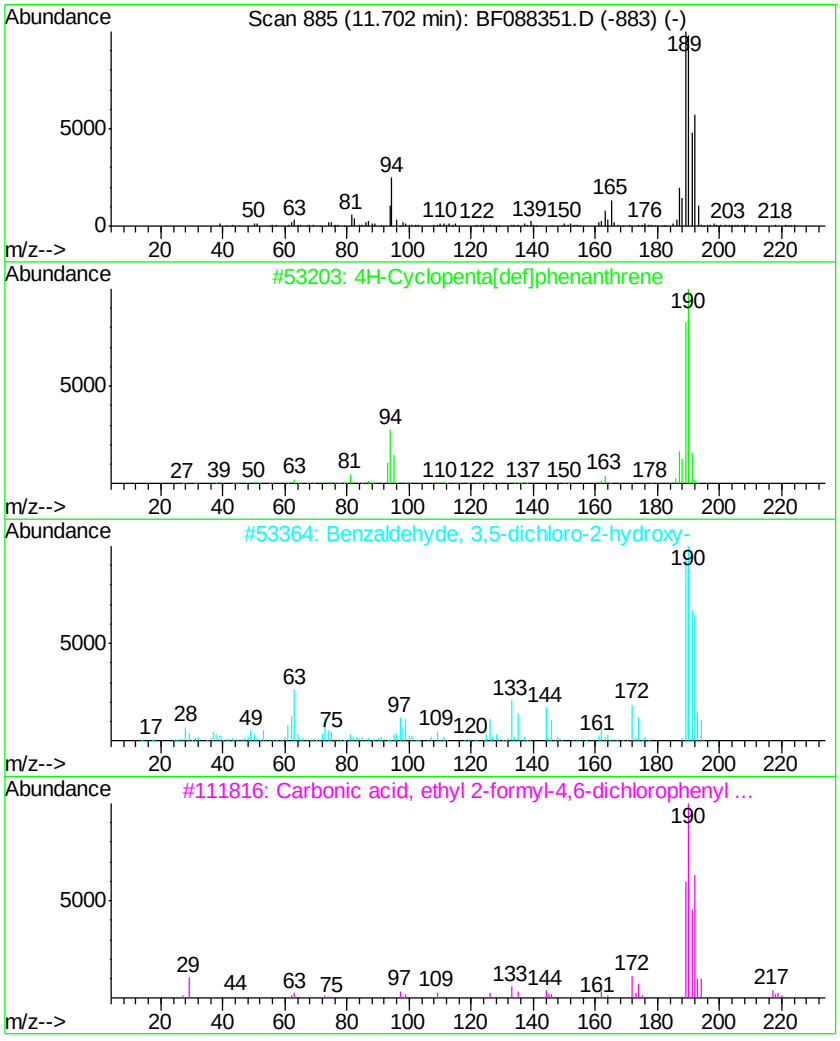
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

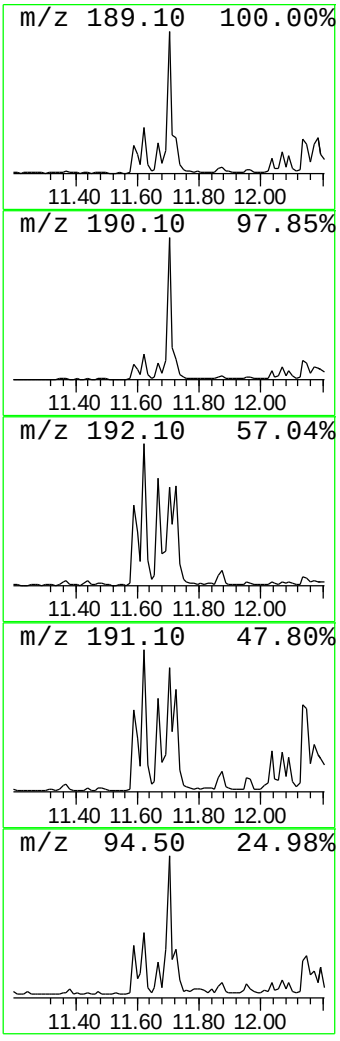
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	10.59 ng	784094	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	25





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Instrument : BNA_F
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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
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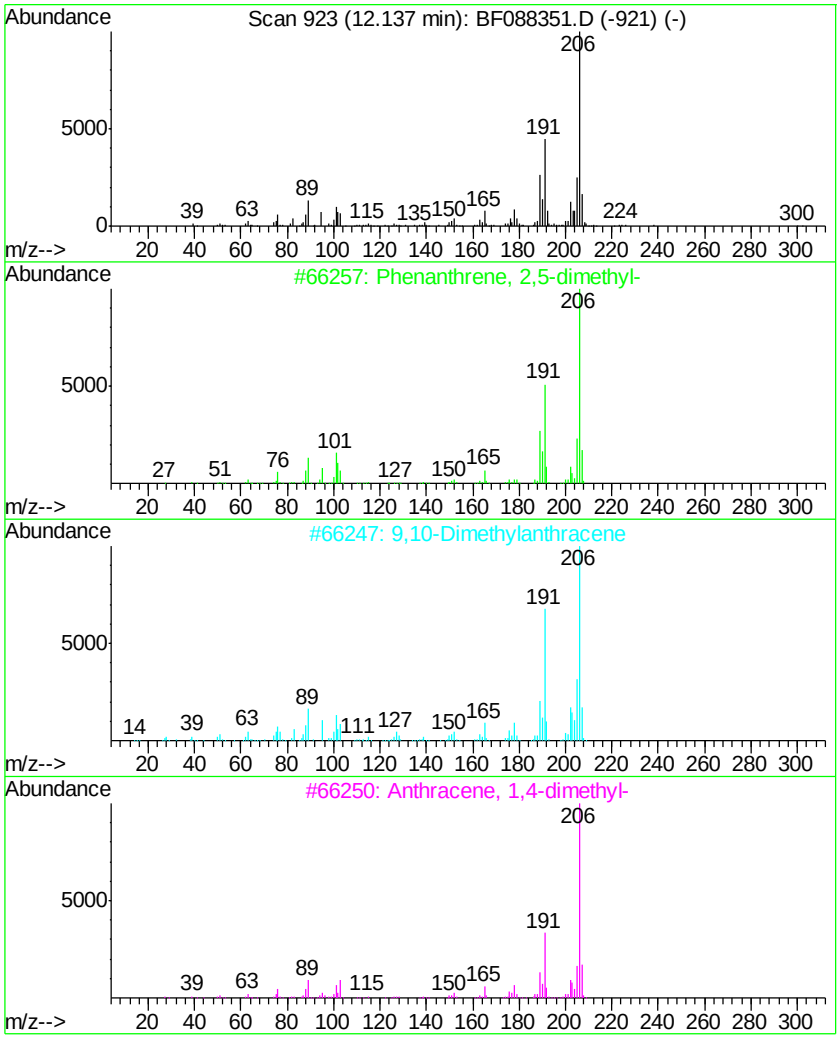
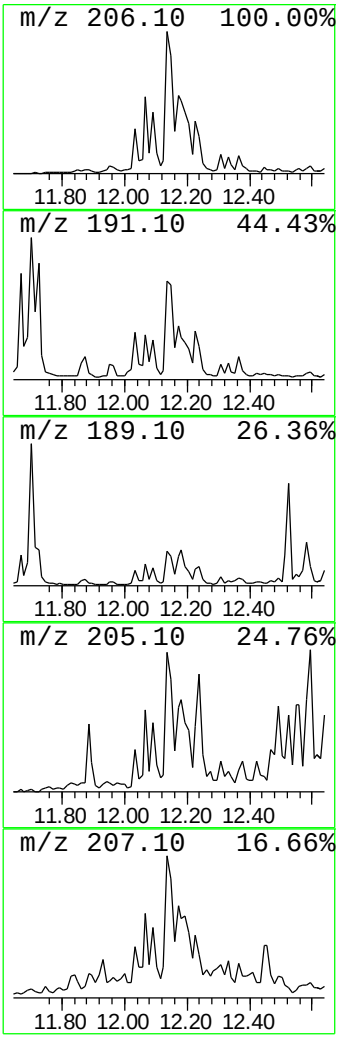
****

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	6.98 ng	516735	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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Sample : H3598-10 2X
Misc :
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Instrument : BNA_F
ClientSampleId : PM-STA-1381(0-4)

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

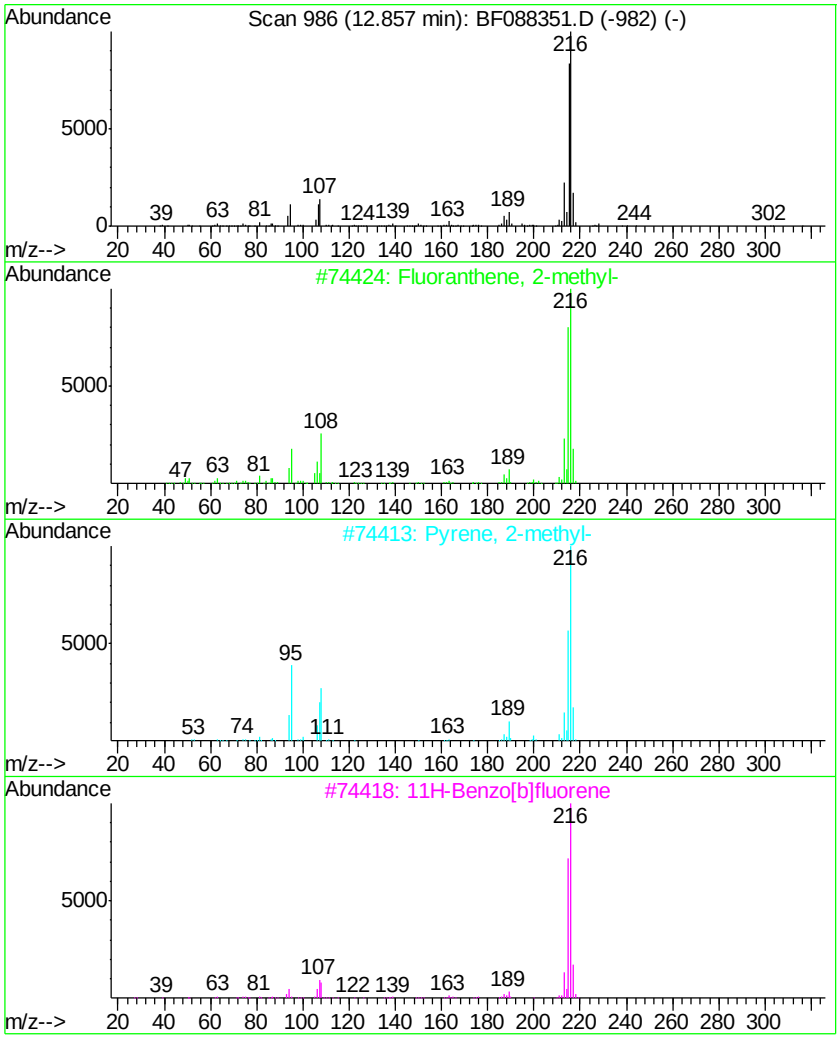
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

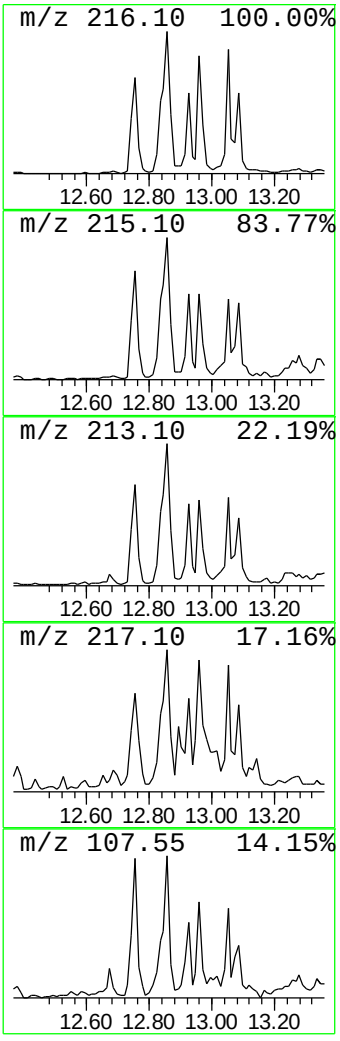
****

Peak Number 6 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	8.17 ng	1275930	Chrysene-d12	13.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088351.D
Acq On : 25 Jun 2016 00:42
Operator : UM/SJ
Sample : H3598-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1381(0-4)

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

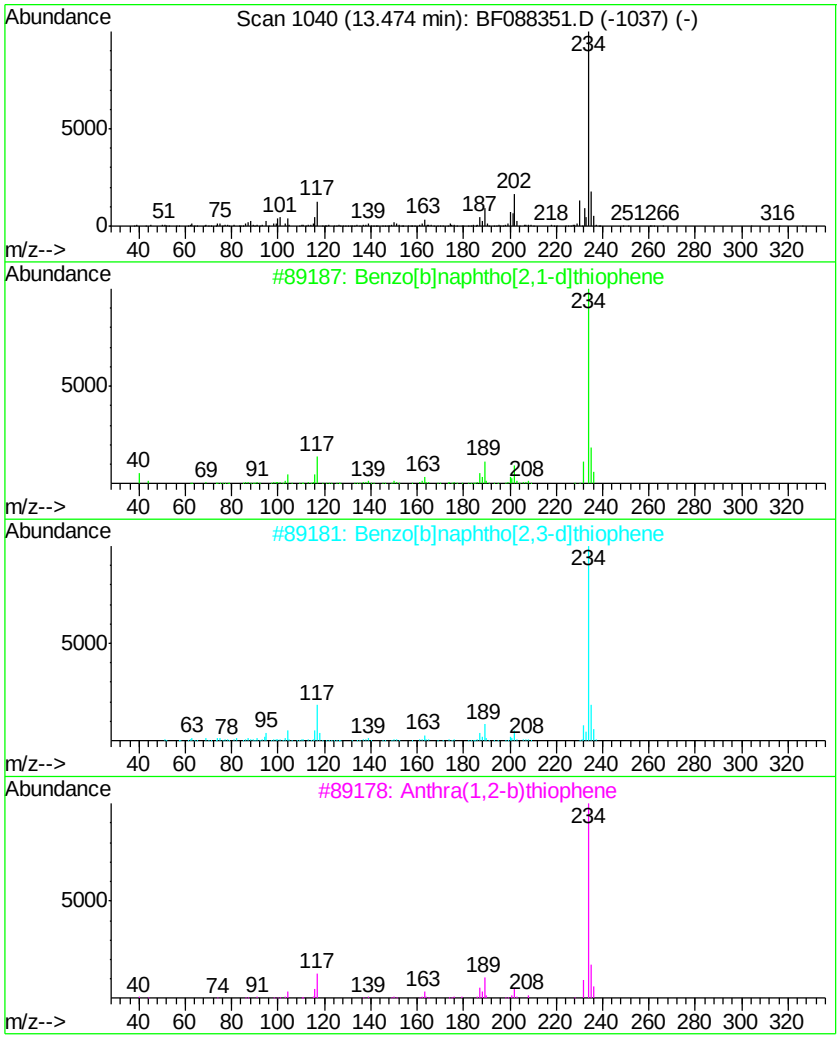
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

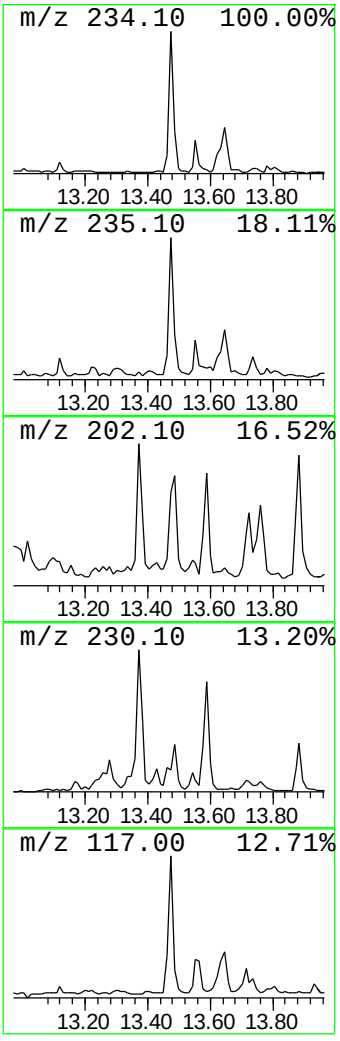
****

Peak Number 7 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	7.50 ng	1171070	Chrysene-d12	13.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
4	1,9,12-Trioxa-4,6-diazacyclotetr...	234	C9H18N2O3S	075491-64-4	87
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	72





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Data File : BF088351.D
Acq On : 25 Jun 2016 00:42
Operator : UM/SJ
Sample : H3598-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1381(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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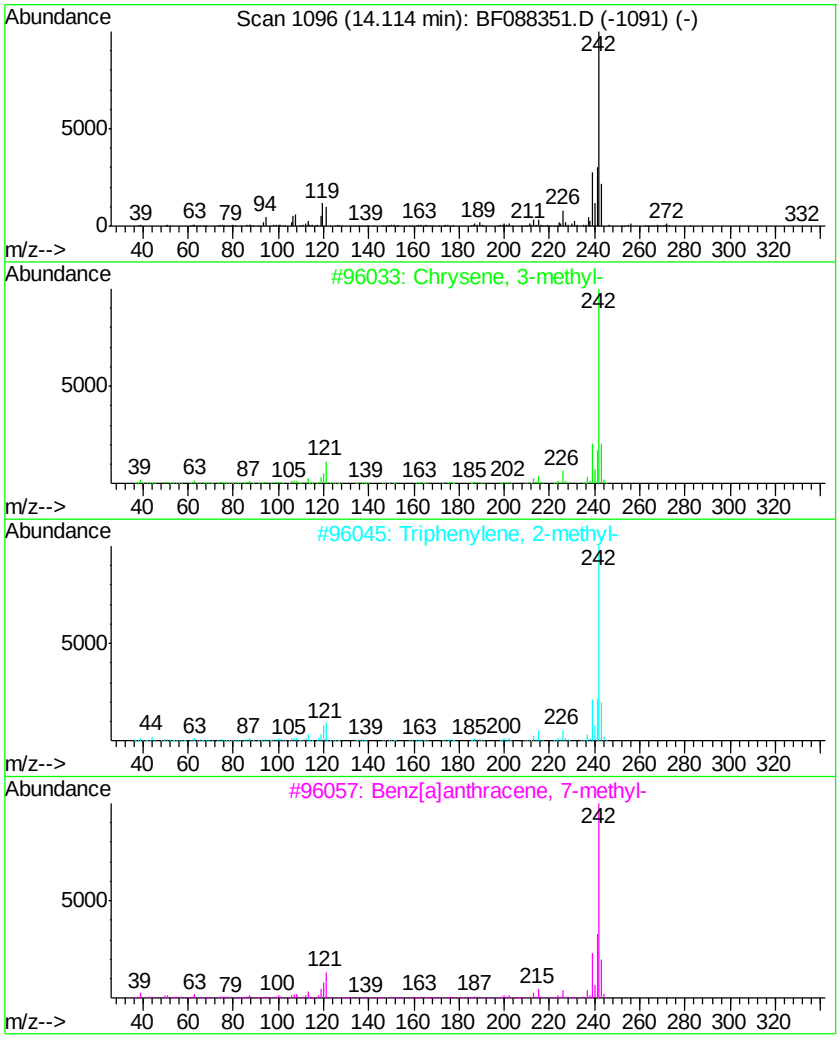
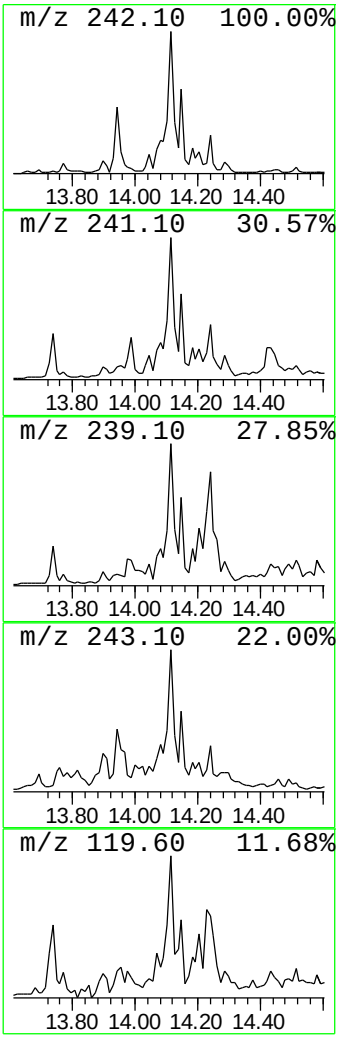
Peak Number 8 Chrysene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	7.38 ng	1153590	Chrysene-d12	13.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
5	2-Methylchrysene	242	C19H14	003351-32-4	90





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Sample : H3598-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1381(0-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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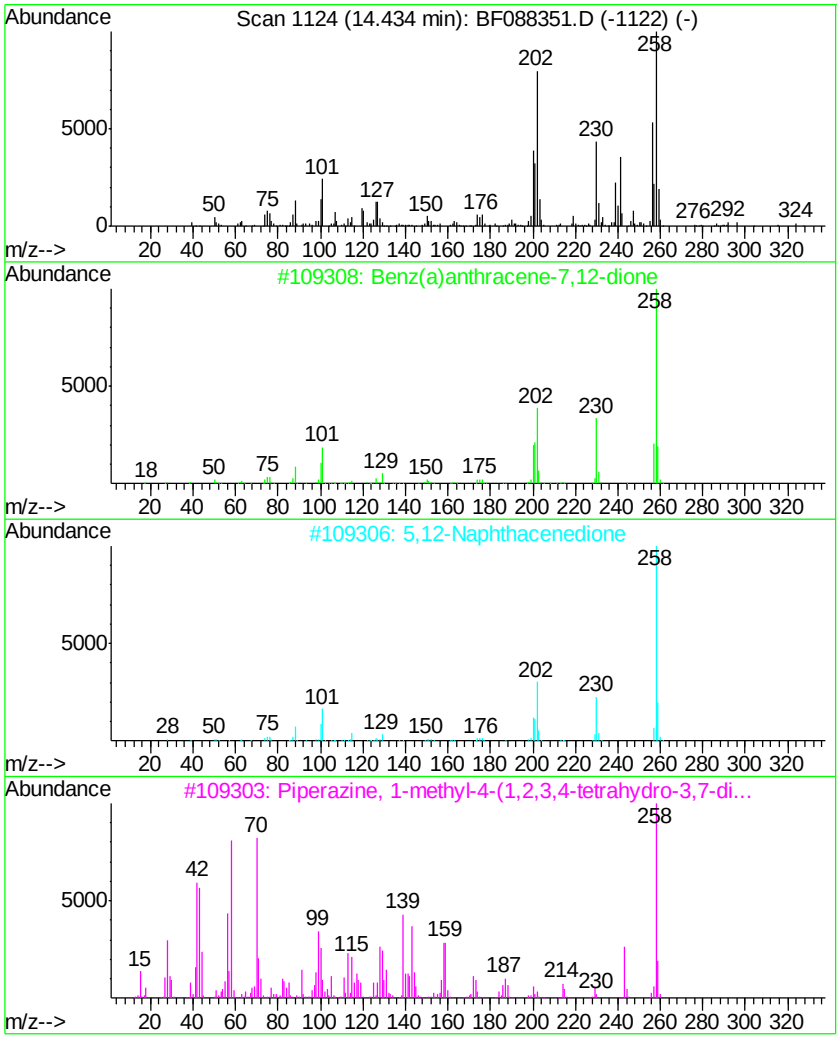
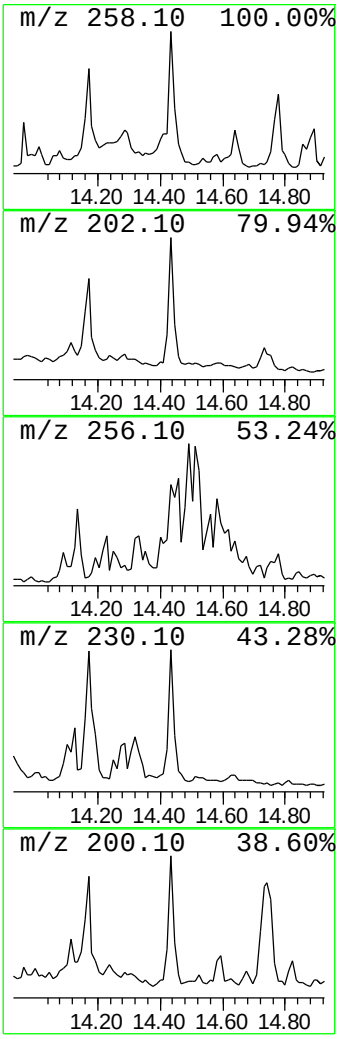
Peak Number 9 Benz(a)anthracene-7,12-dione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	9.93 ng	301723	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	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	53
5	Benzenamine, 4-(9H-carbazol-9-yl)-	258	C18H14N2	052708-37-9	35





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Sample : H3598-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1381(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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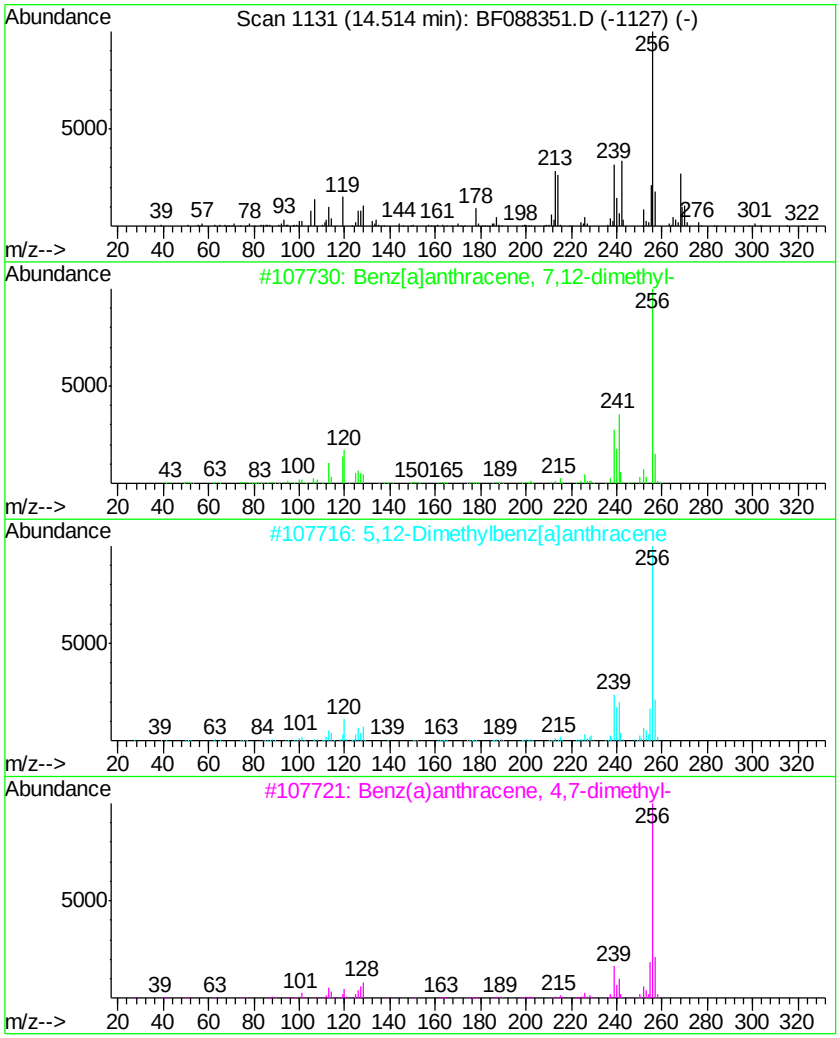
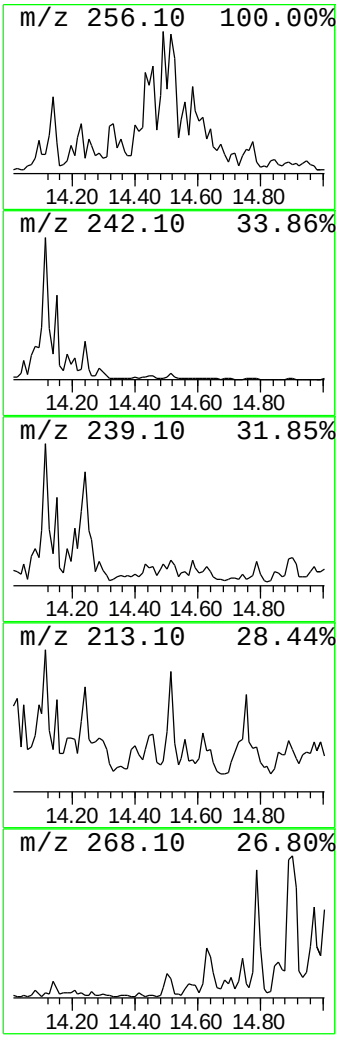
Peak Number 10 Benz[a]anthracene, 7,12-dim... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	8.35 ng	253697	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	62
2	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	55
3	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	55
4	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	50
5	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	49





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Misc :
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ClientSampleId : PM-STA-1381(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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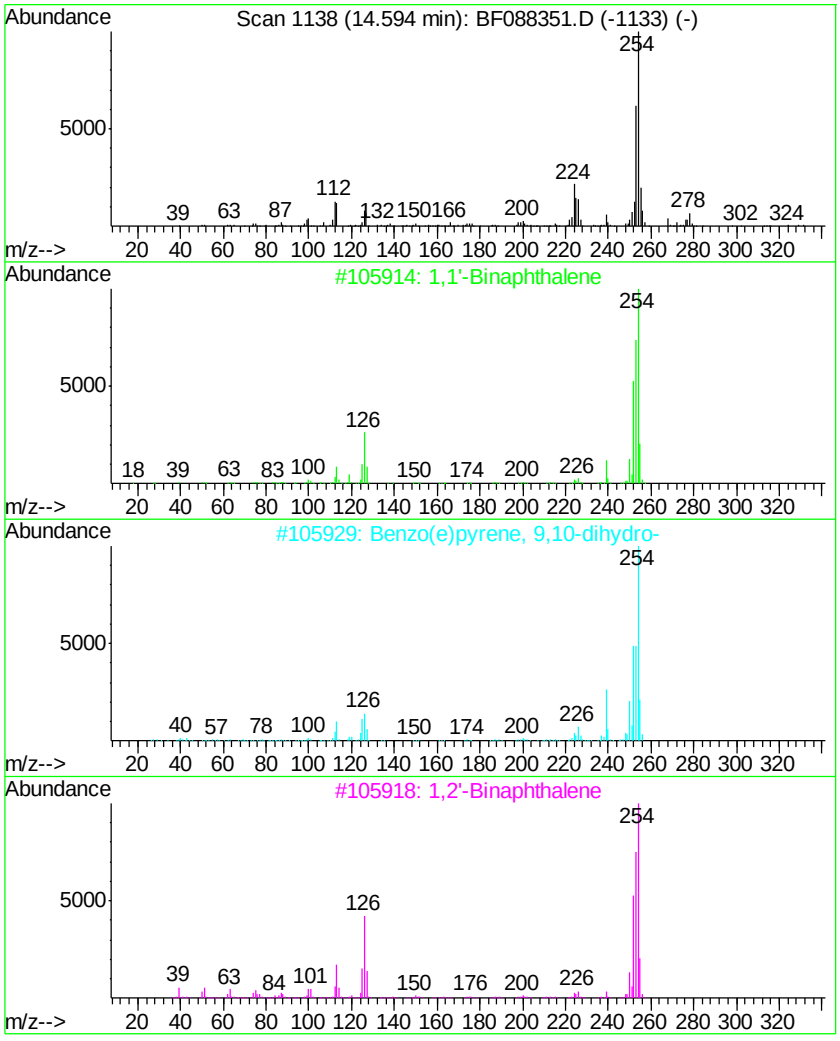
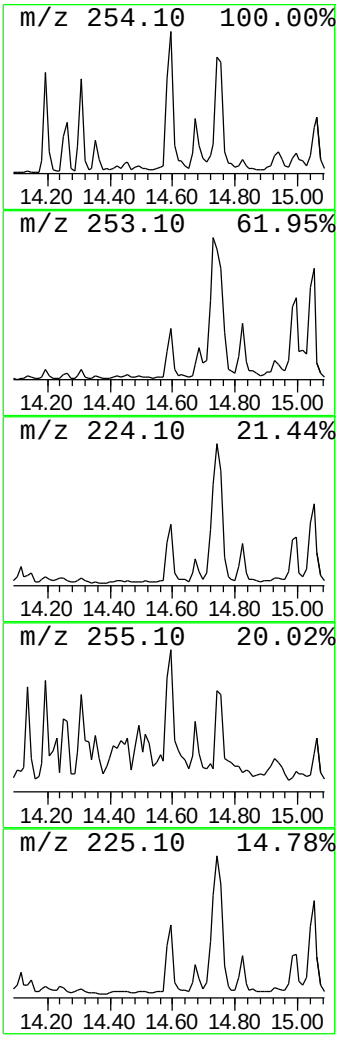
Peak Number 11 1,1'-Binaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	18.35 ng	557682	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
2	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	64
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	59
5	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	58





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Acq On : 25 Jun 2016 00:42
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Sample : H3598-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1381(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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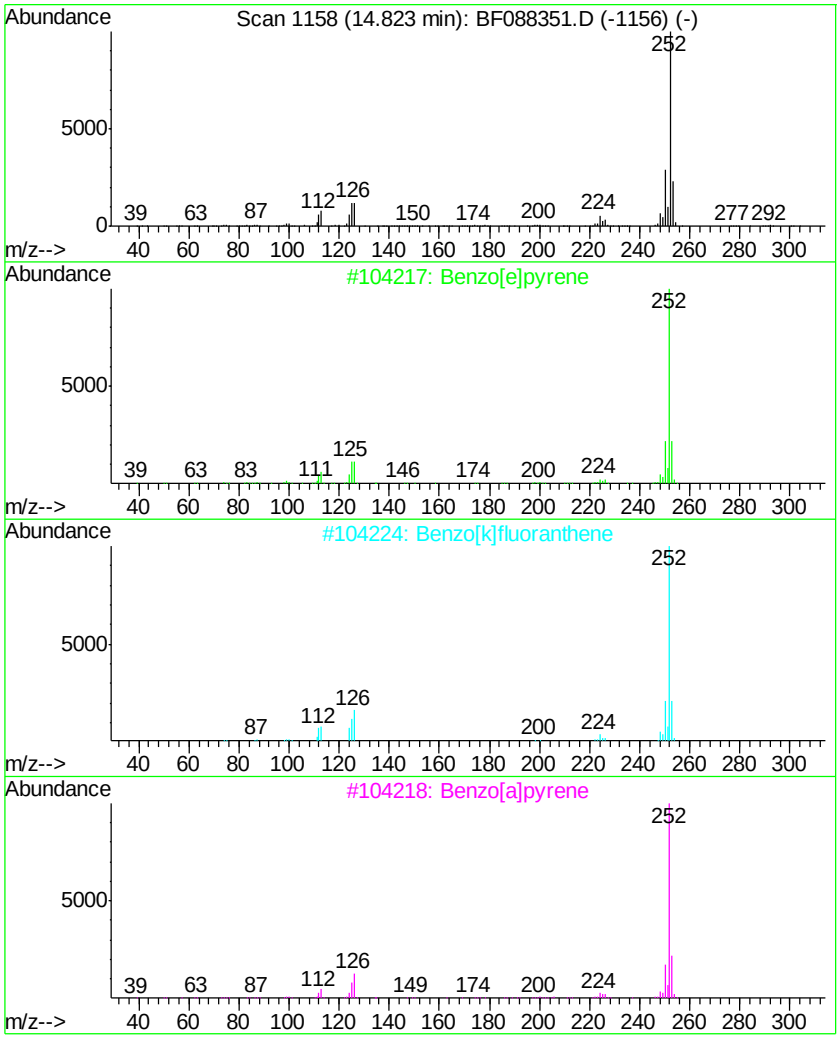
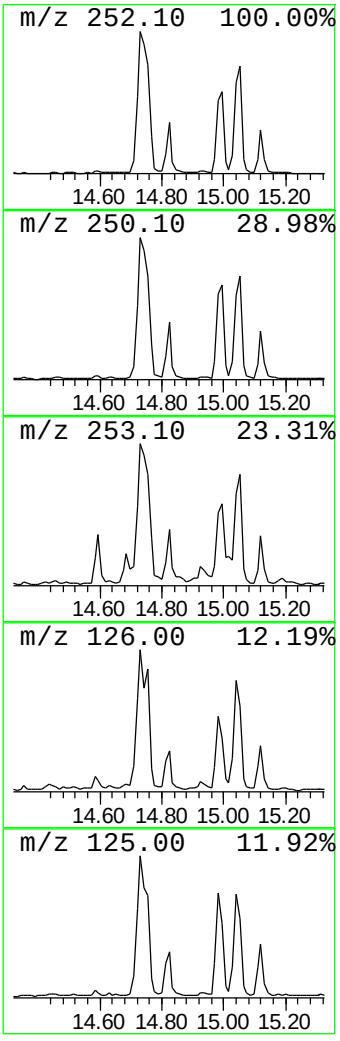
Peak Number 12 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	17.62 ng	535466	Perylene-d12	15.10

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





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1381(0-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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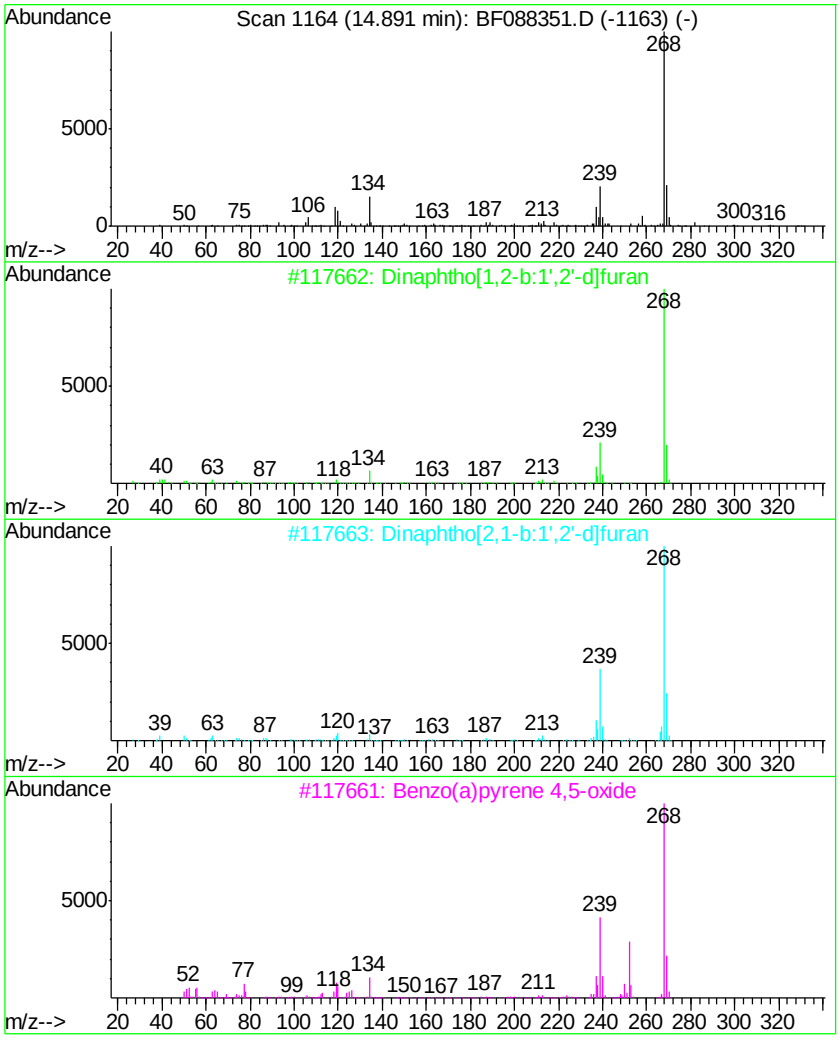
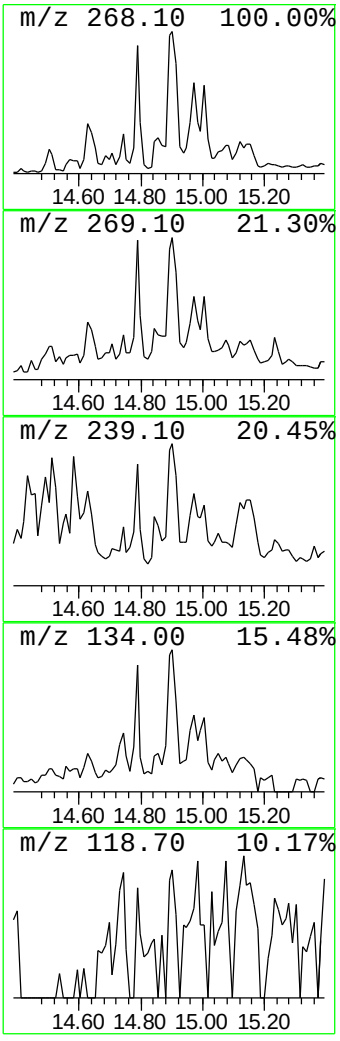
Peak Number 13 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	7.11 ng	216006	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	96
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	87
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	86
4	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	64
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	64





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Sample : H3598-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : PM-STA-1381(0-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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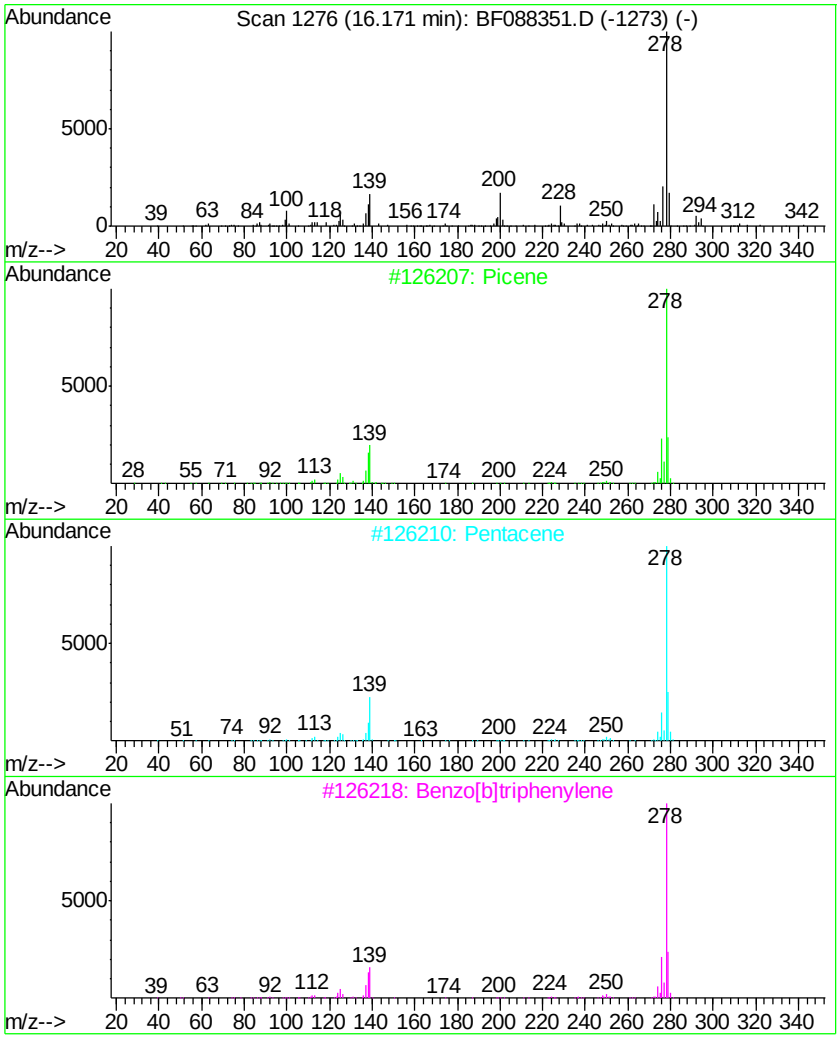
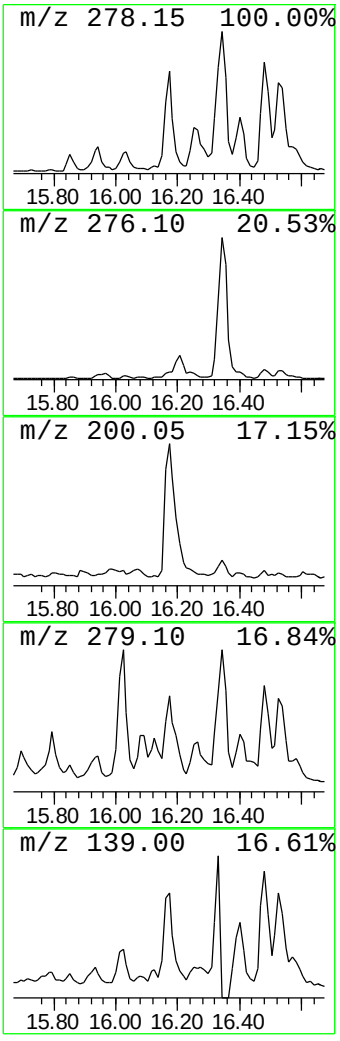
Peak Number 15 Picene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	6.83 ng	207453	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	95
2	Pentacene	278	C22H14	000135-48-8	90
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	87
4	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	60
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	60





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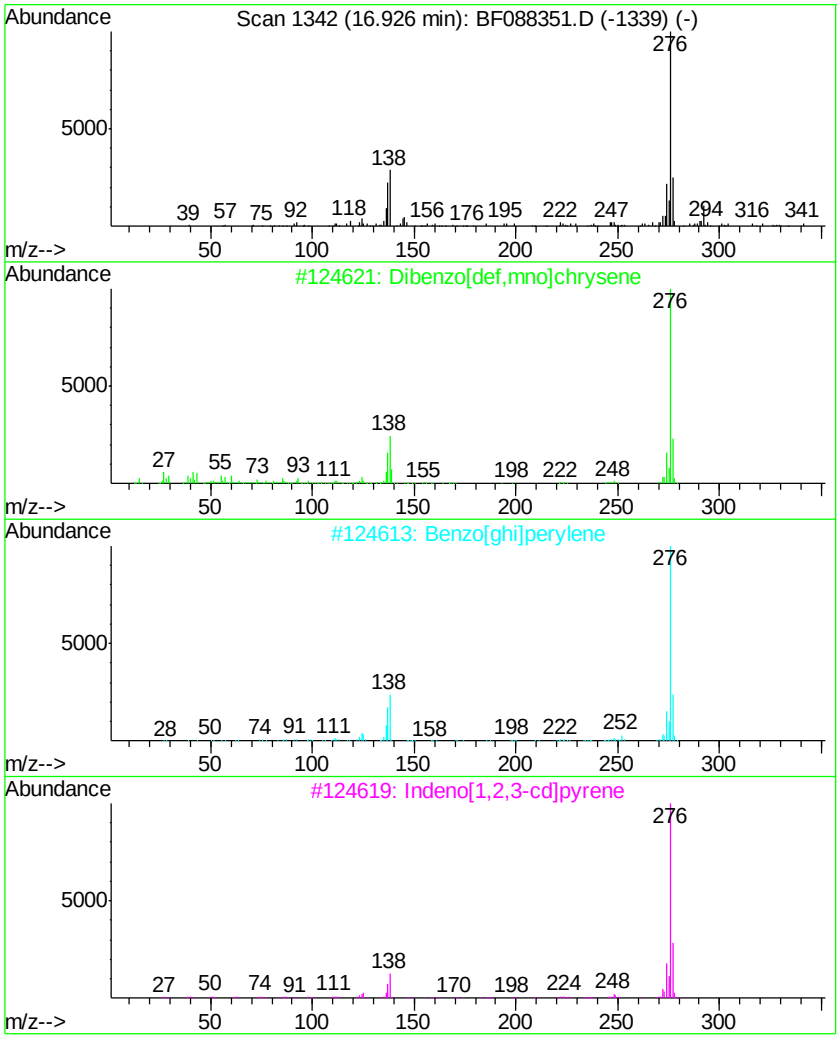
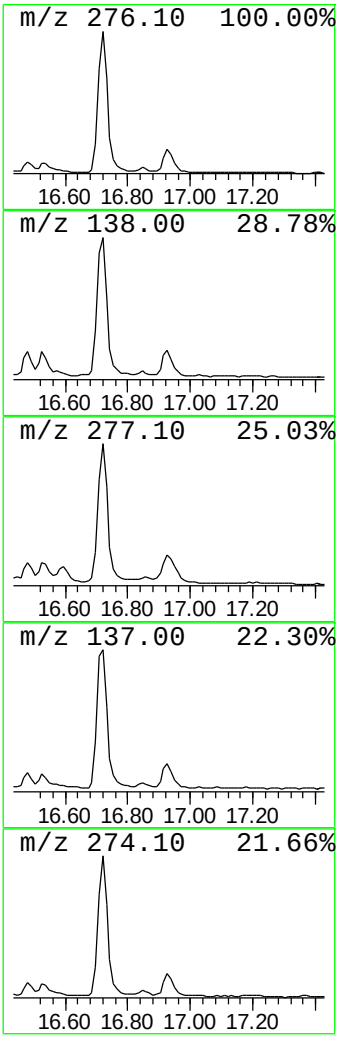
Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	6.65 ng	202034	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	98
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	83
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	43





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Instrument : BNA_F
ClientSampleId : PM-STA-1381(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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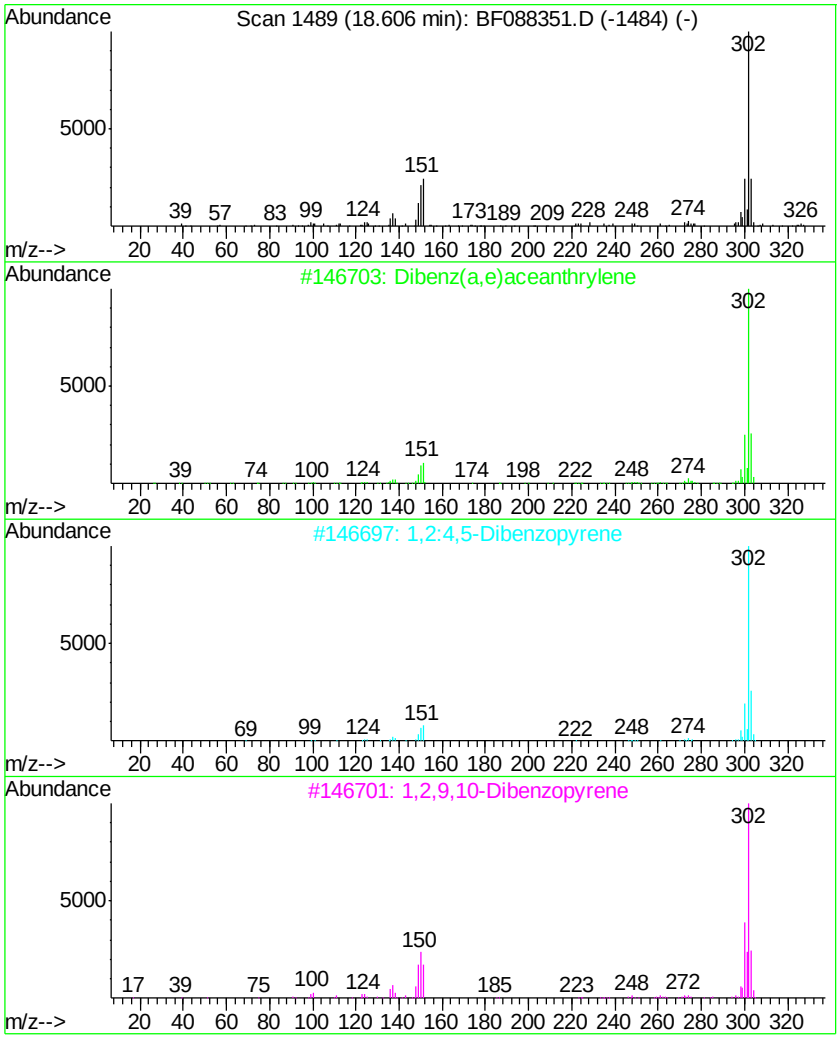
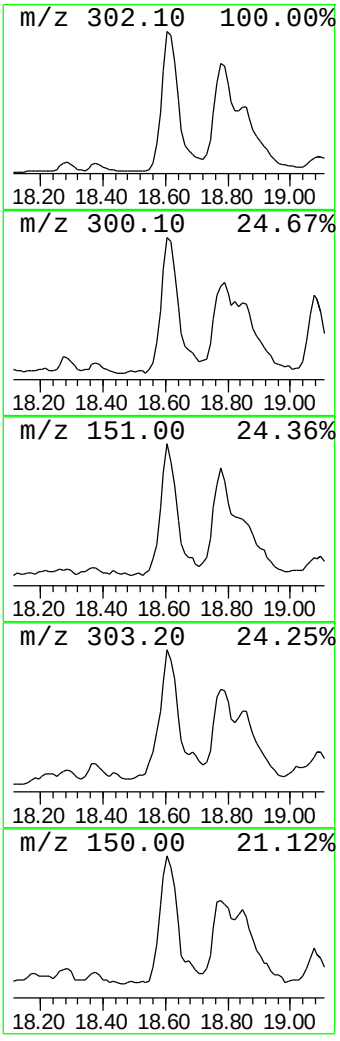
Peak Number 19 Dibenz(a,e)aceanthrylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	12.50 ng	379952	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
3	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	93
4	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	91
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	89





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Sample : H3598-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PM-STA-1381(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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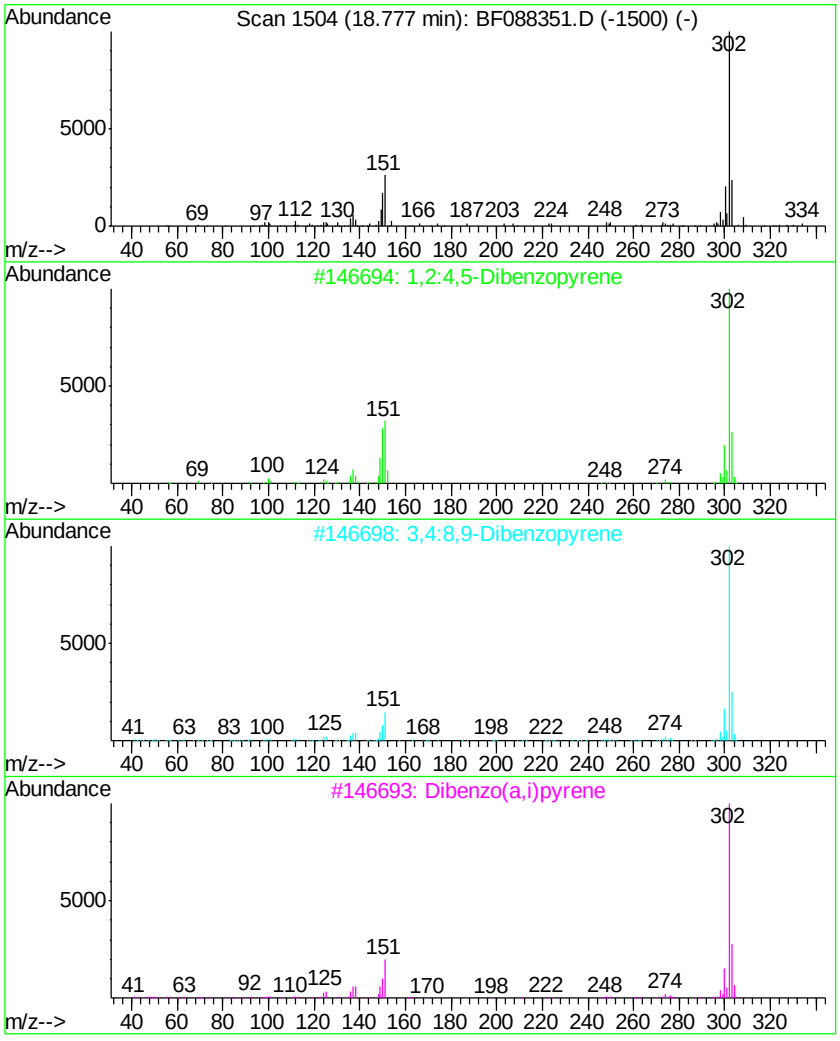
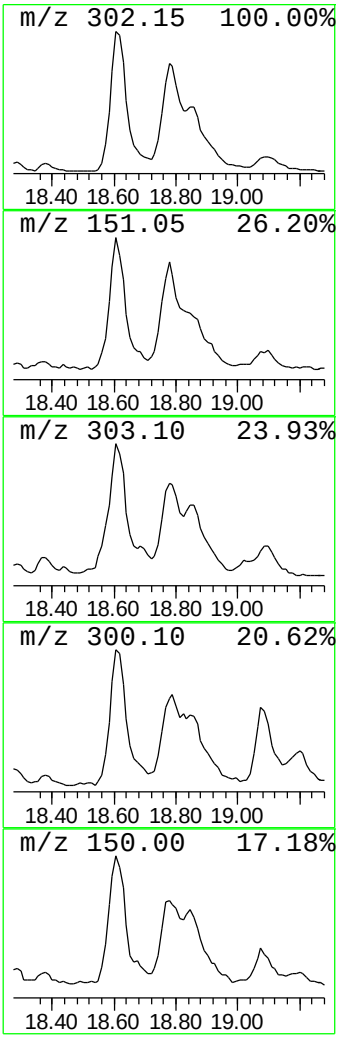
Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	7.25 ng	220397	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91
3	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	91
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	81
5	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	64





Tentatively Identified Compound (LSC) summary

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Data File : BF088351.D
Acq On : 25 Jun 2016 00:42
Operator : UM/SJ
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Misc :
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.35	6.35	37.1	ng	721340	1	6.58	389267	20.0
4H-Cyclopenta[def...	11.70	10.6	ng	784094	4	11.10	1480910	20.0
Phenanthrene, 2,5...	12.14	7.0	ng	516735	4	11.10	1480910	20.0
Fluoranthene, 2-m...	12.86	8.2	ng	1275930	5	13.74	3124310	20.0
Benzo[b]naphtho[2...	13.47	7.5	ng	1171070	5	13.74	3124310	20.0
Chrysene, 3-methyl-	14.11	7.4	ng	1153590	5	13.74	3124310	20.0
Benz(a)anthracene...	14.43	9.9	ng	301723	6	15.10	607817	20.0
Benz[a]anthracene...	14.51	8.3	ng	253697	6	15.10	607817	20.0
1,1'-Binaphthalene	14.59	18.4	ng	557682	6	15.10	607817	20.0
Benzo[e]pyrene	14.82	17.6	ng	535466	6	15.10	607817	20.0
Dinaphtho[1,2-b:1...	14.89	7.1	ng	216006	6	15.10	607817	20.0
Picene	16.17	6.8	ng	207453	6	15.10	607817	20.0
Dibenzo[def,mno]c...	16.93	6.7	ng	202034	6	15.10	607817	20.0
Dibenz(a,e)aceant...	18.61	12.5	ng	379952	6	15.10	607817	20.0
1,2:4,5-Dibenzopy...	18.78	7.3	ng	220397	6	15.10	607817	20.0