LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088390.D
Acq On : 25 Jun 2016 21:35
Operator : UM/SJ
Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(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	1.701	8	10	48	rVB	801301	1702171	65.12%	3.707%
2	4.673	269	270	285	rBV	74374	154965	5.93%	0.338%
3	5.141	309	311	324	rBV	974413	1308256	50.05%	2.849%
4	6.227	404	406	413	rBV	1100511	1264310	48.37%	2.754%
5	6.330	413	415	418	rBV	1404208	1372404	52.51%	2.989%
6	6.559	433	435	444	rVB	376770	410282	15.70%	0.894%
7	6.719	446	449	451	rBV	1027448	1229341	47.03%	2.678%
8	7.142	484	486	488	rBV	606556	865422	33.11%	1.885%
9	7.850	545	548	550	rBV	491778	552072	21.12%	1.202%
10	8.925	639	642	645	rBV	1728218	1617689	61.89%	3.523%
11	9.325	675	677	680	rBV	332689	300391	11.49%	0.654%
12	9.450	686	688	691	rBV	374375	369113	14.12%	0.804%
13	9.588	698	700	702	rBV	509780	531016	20.32%	1.157%
14	9.908	726	728	730	rBV2	63884	79945	3.06%	0.174%
15	10.045	738	740	742	rVB2	59684	73036	2.79%	0.159%
16	10.136	746	748	751	rVB3	38573	73881	2.83%	0.161%
17	10.250	756	758	760	rBV2	45753	67037	2.56%	0.146%
18	10.376	767	769	772	rBV	664205	750958	28.73%	1.636%
19	10.502	778	780	784	rVB2	96403	155331	5.94%	0.338%
20	10.685	794	796	799	rBV3	38246	81887	3.13%	0.178%
21	10.833	806	809	812	rVB3	62537	108939	4.17%	0.237%
22	11.062	827	829	830	rBV	328896	401850	15.37%	0.875%
23	11.142	834	836	838	rVV	357362	341031	13.05%	0.743%
24	11.176	838	839	842	rVB2	58925	83191	3.18%	0.181%
25	11.325	848	852	854	rBV3	79830	203670	7.79%	0.444%
26	11.359	854	855	857	rVV2	66777	98776	3.78%	0.215%
27	11.393	857	858	863	rVB2	63661	79472	3.04%	0.173%
28	11.565	871	873	874	rBV	240149	234721	8.98%	0.511%
29	11.599	874	876	878	rVB	256551	287186	10.99%	0.626%
30	11.645	878	880	881	rBV	152200	157273	6.02%	0.343%
31	11.679	881	883	888	rVB	415689	748112	28.62%	1.629%
32	11.793	891	893	895	rVB2	51573	101285	3.88%	0.221%
33	11.862	895	899	901	rBV2	164655	274146	10.49%	0.597%
34	11.896	901	902	904	rVB2	127328	125677	4.81%	0.274%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(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	12.011	909	912	913	rBV2	140755	187989	7.19%	0.409%
36	12.045	913	915	919	rVB	219676	397521	15.21%	0.866%
37	12.114	919	921	923	rBV	536924	654686	25.05%	1.426%
38	12.148	923	924	927	rVV	269297	452405	17.31%	0.985%
39	12.205	927	929	933	rVB2	309203	480324	18.38%	1.046%
40	12.285	933	936	938	rBV	1430505	2015452	77.11%	4.390%
41	12.331	938	940	942	rVV3	79675	179115	6.85%	0.390%
42	12.376	942	944	946	rVB	109135	151625	5.80%	0.330%
43	12.422	946	948	950	rBV2	146979	203205	7.77%	0.443%
44	12.502	952	955	959	rVV	1524646	2613719	100.00%	5.693%
45	12.559	959	960	962	rVB	281527	285039	10.91%	0.621%
46	12.651	962	968	972	rVB2	1129203	1578442	60.39%	3.438%
47	12.719	972	974	978	rBV3	347331	625331	23.92%	1.362%
48	12.834	980	984	986	rVB2	425566	826546	31.62%	1.800%
49	12.891	986	989	991	rBV2	174521	313275	11.99%	0.682%
50	12.936	991	993	997	rVV	533756	640213	24.49%	1.394%
51	13.028	999	1001	1002	rVV	356398	378964	14.50%	0.825%
52	13.051	1002	1003	1005	rVV	265428	321894	12.32%	0.701%
53	13.085	1005	1006	1008	rVB2	80015	107691	4.12%	0.235%
54	13.142	1008	1011	1013	rVB3	86219	137087	5.24%	0.299%
55	13.234	1017	1019	1024	rVB4	113846	261665	10.01%	0.570%
56	13.348	1024	1029	1032	rBV3	314524	565353	21.63%	1.231%
57	13.394	1032	1033	1035	rVB	134822	128870	4.93%	0.281%
58	13.451	1035	1038	1041	rBV2	327230	820488	31.39%	1.787%
59	13.497	1041	1042	1045	rVV2	200652	289491	11.08%	0.631%
60	13.554	1045	1047	1051	rVB2	295398	451429	17.27%	0.983%
61	13.622	1051	1053	1056	rVB2	41452	93773	3.59%	0.204%
62	13.691	1056	1059	1061	rBV2	1165280	2091319	80.01%	4.555%
63	13.725	1061	1062	1066	rVB	1039703	1173280	44.89%	2.555%
64	13.782	1066	1067	1070	rVB3	114060	187490	7.17%	0.408%
65	13.851	1071	1073	1077	rVV3	181094	320321	12.26%	0.698%
66	14.079	1089	1093	1095	rVV	367075	810928	31.03%	1.766%
67	14.114	1095	1096	1098	rVV	248897	341990	13.08%	0.745%
68	14.159	1098	1100	1103	rVV4	155567	450350	17.23%	0.981%
69	14.205	1103	1104	1108	rVV2	296615	525310	20.10%	1.144%
70	14.274	1108	1110	1113	rVB3	117640	183604	7.02%	0.400%
71	14.331	1113	1115	1117	rVB3	51037	69074	2.64%	0.150%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3624-20
Misc :
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Instrument : BNA_F
ClientSampleId : SC-STA-1506(0-4)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.411	1117	1122	1125	rBV2	153457	382632	14.64%	0.833%
73	14.457	1125	1126	1127	rVV	82860	112154	4.29%	0.244%
74	14.559	1131	1135	1137	rVV2	211582	372366	14.25%	0.811%
75	14.605	1137	1139	1141	rVV2	104948	177761	6.80%	0.387%
76	14.697	1144	1147	1151	rVV	980013	1954087	74.76%	4.256%
77	14.788	1153	1155	1157	rVV	222761	298944	11.44%	0.651%
78	14.868	1159	1162	1163	rVV2	51807	102501	3.92%	0.223%
79	14.948	1167	1169	1172	rVV	593124	741021	28.35%	1.614%
80	15.005	1172	1174	1177	rVV	656834	976457	37.36%	2.127%
81	15.051	1177	1178	1179	rVV	245530	268353	10.27%	0.584%
82	15.085	1179	1181	1189	rVV3	201775	492395	18.84%	1.072%
83	15.200	1189	1191	1193	rVV	48404	81888	3.13%	0.178%
84	15.245	1193	1195	1198	rVB2	69370	114629	4.39%	0.250%
85	15.314	1199	1201	1203	rBV	50070	65061	2.49%	0.142%
86	15.428	1208	1211	1212	rBV	76209	137669	5.27%	0.300%
87	15.462	1212	1214	1218	rVV2	41242	122615	4.69%	0.267%
88	15.520	1218	1219	1224	rVB2	69729	122409	4.68%	0.267%
89	15.760	1238	1240	1247	rVB7	25636	79842	3.05%	0.174%
90	15.942	1253	1256	1257	rBV3	29576	60840	2.33%	0.133%
91	16.114	1269	1271	1273	rBV2	35299	70462	2.70%	0.153%
92	16.194	1276	1278	1283	rVB4	27064	62800	2.40%	0.137%
93	16.285	1283	1286	1290	rBV	254839	507564	19.42%	1.106%
94	16.423	1295	1298	1301	rBV2	55870	135063	5.17%	0.294%
95	16.480	1301	1303	1306	rVB2	44231	68296	2.61%	0.149%
96	16.651	1315	1318	1327	rVB	181224	413867	15.83%	0.901%
97	16.868	1334	1337	1342	rVB2	43874	112747	4.31%	0.246%
98	17.520	1390	1394	1398	rVB5	39003	94269	3.61%	0.205%
99	18.526	1476	1482	1493	rBV	40063	183712	7.03%	0.400%
100	18.708	1493	1498	1500	rBV2	22717	80105	3.06%	0.174%

Sum of corrected areas: 45912603

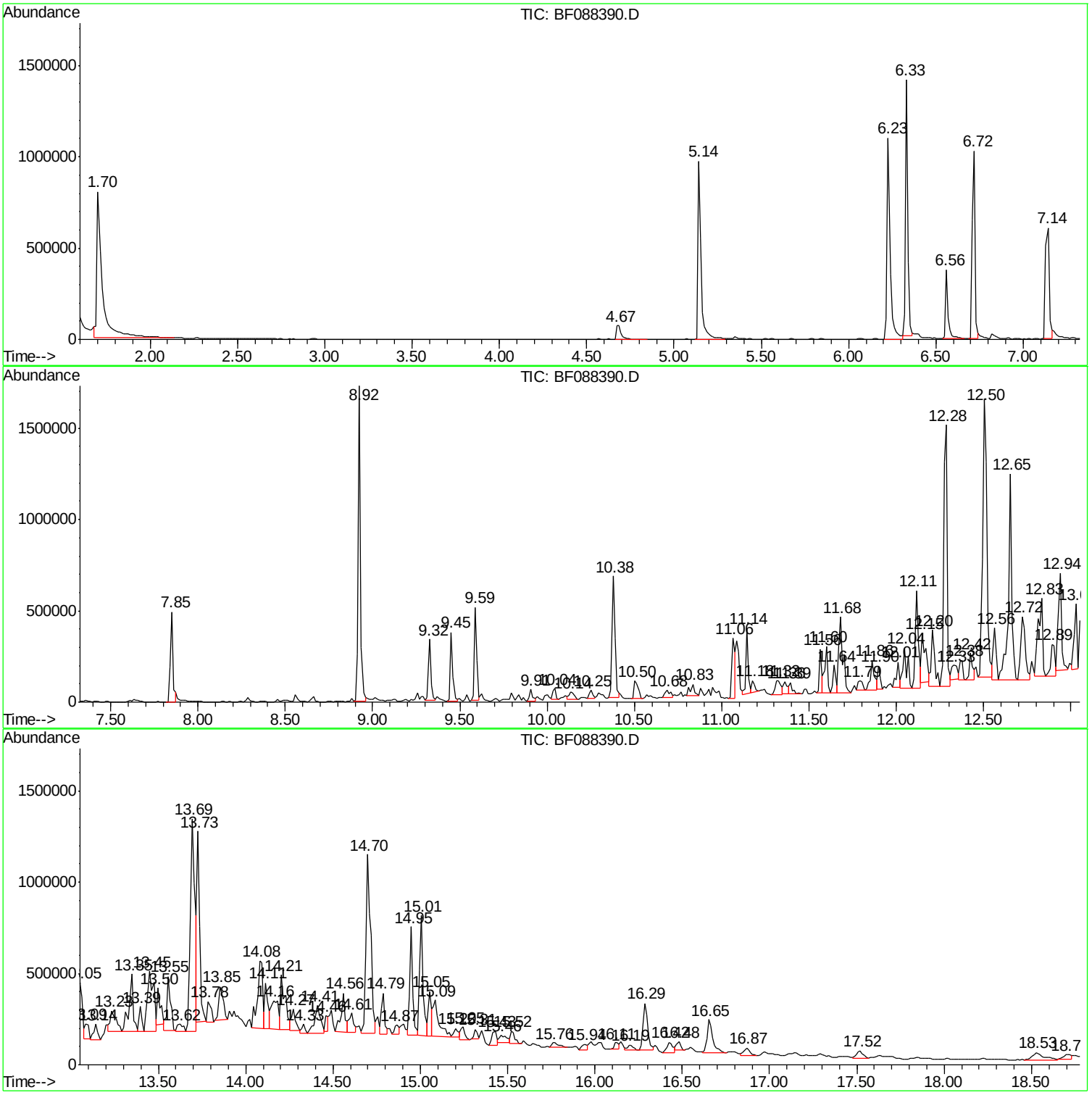
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088390.D
Acq On : 25 Jun 2016 21:35
Operator : UM/SJ
Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(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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Instrument : BNA_F
ClientSampleId : SC-STA-1506(0-4)

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

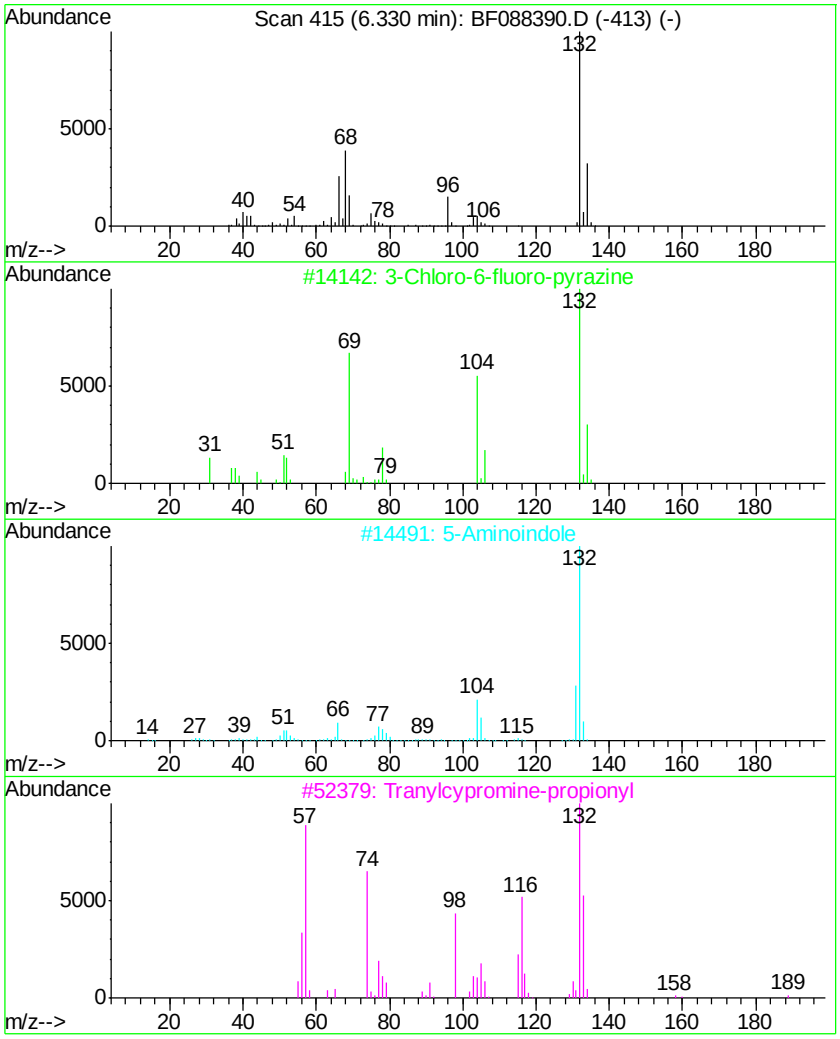
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

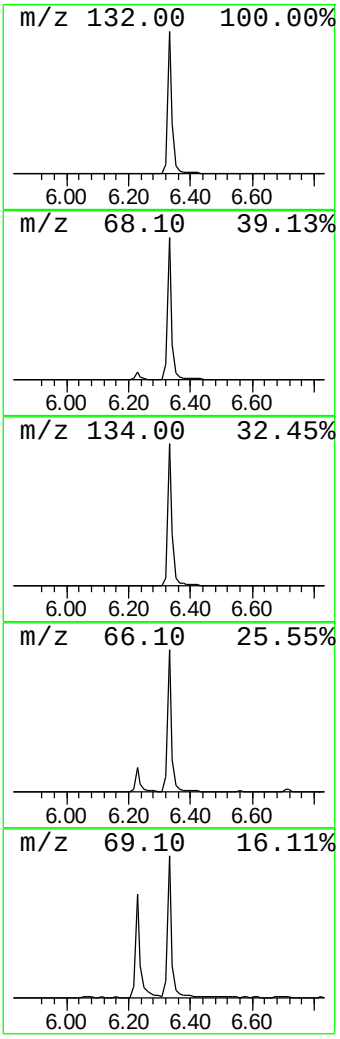
****

Peak Number 2 unknown6.33 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	66.90 ng	1372400	1,4-Dichlorobenzene-d4	6.56

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088390.D
Acq On : 25 Jun 2016 21:35
Operator : UM/SJ
Sample : H3624-20
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Instrument : BNA_F
ClientSampleId : SC-STA-1506(0-4)

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

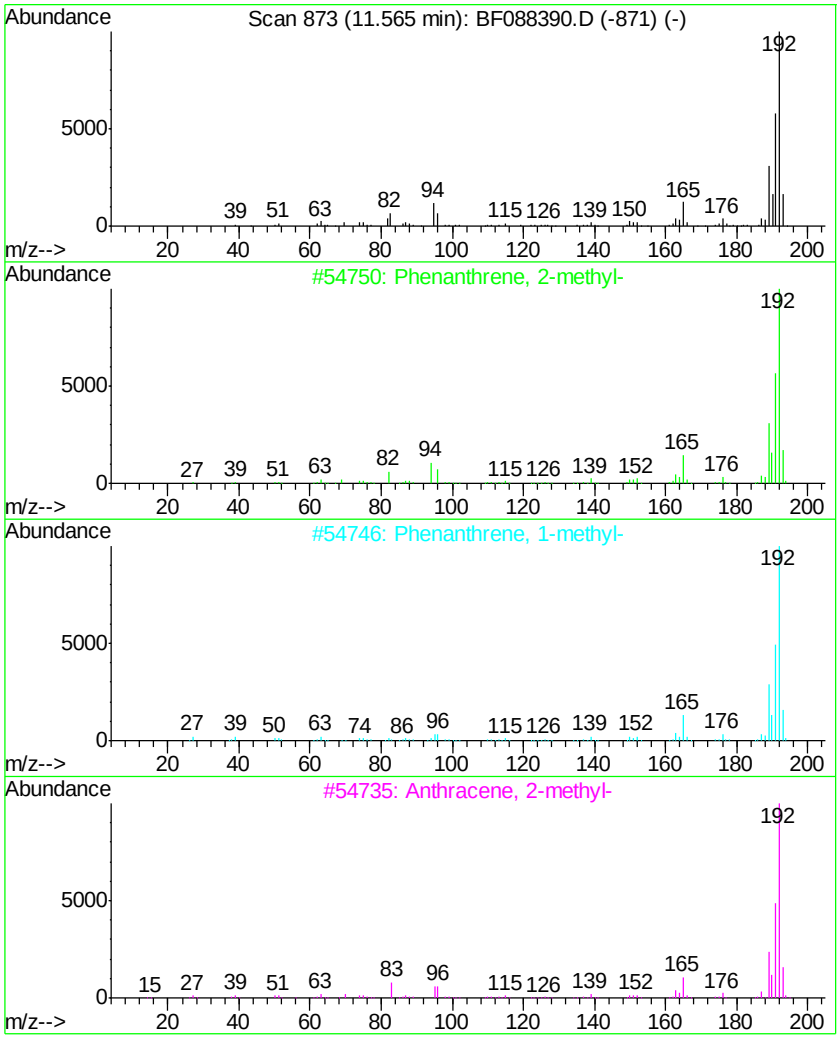
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

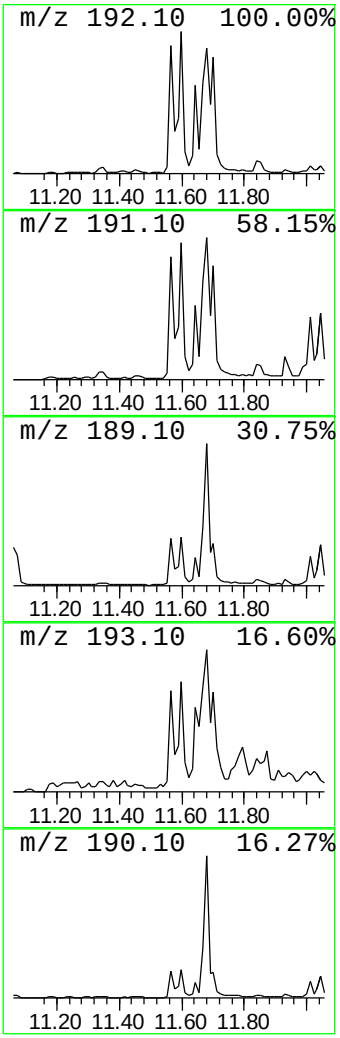
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	11.68 ng	234721	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088390.D
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Sample : H3624-20
Misc :
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Instrument : BNA_F
ClientSampleId : SC-STA-1506(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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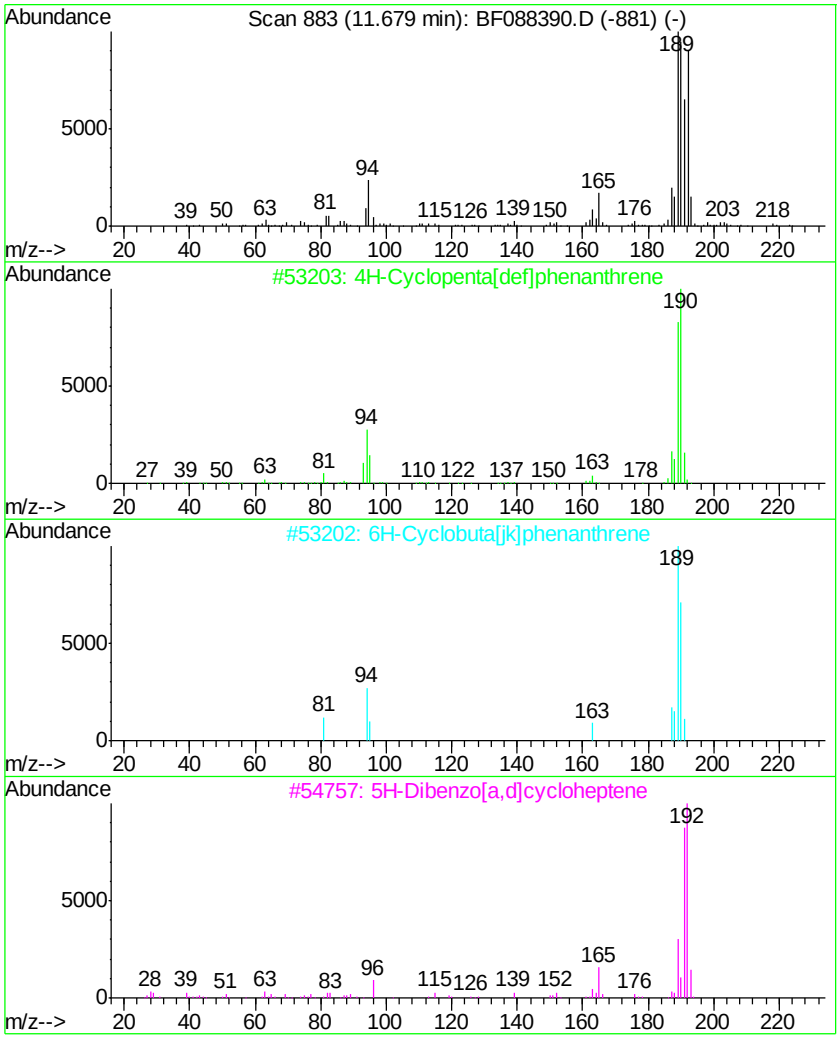
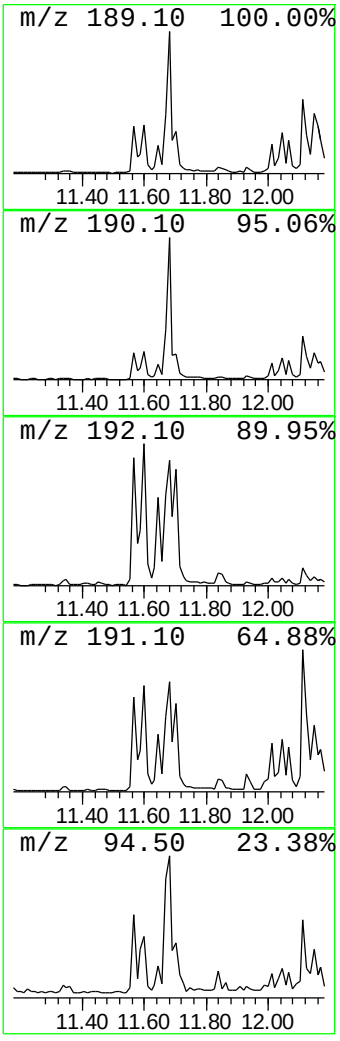
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	37.23 ng	748112	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	41





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
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Operator : UM/SJ
Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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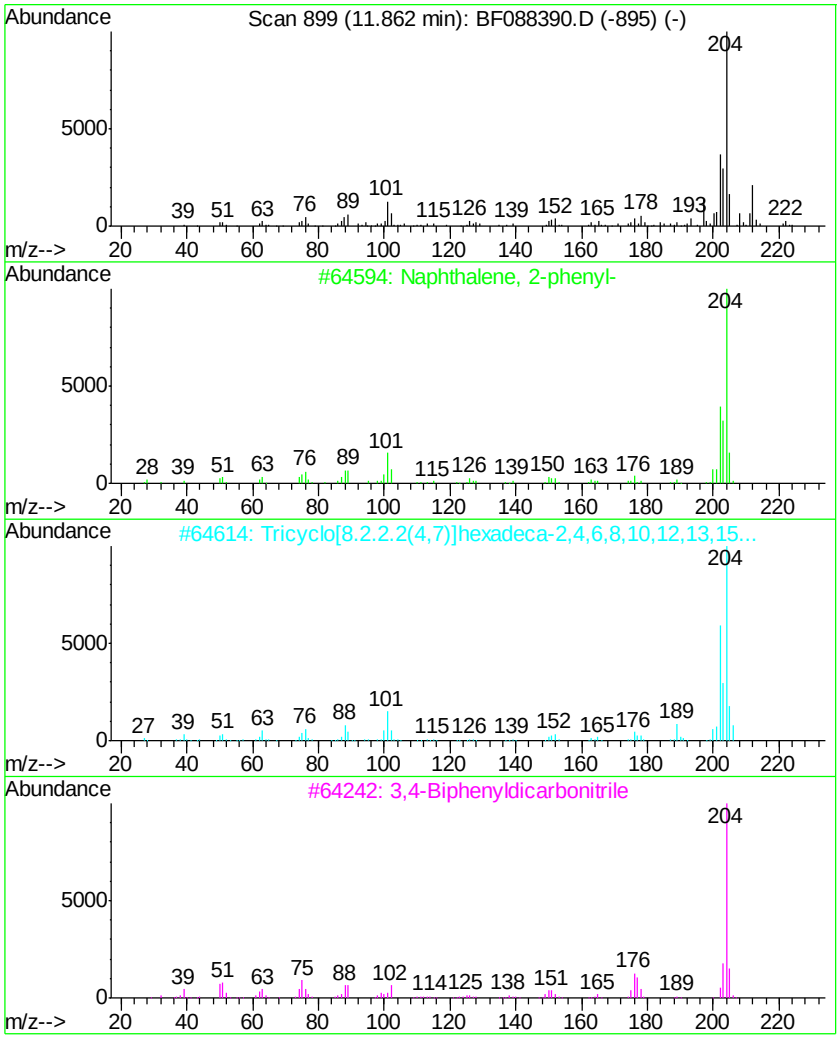
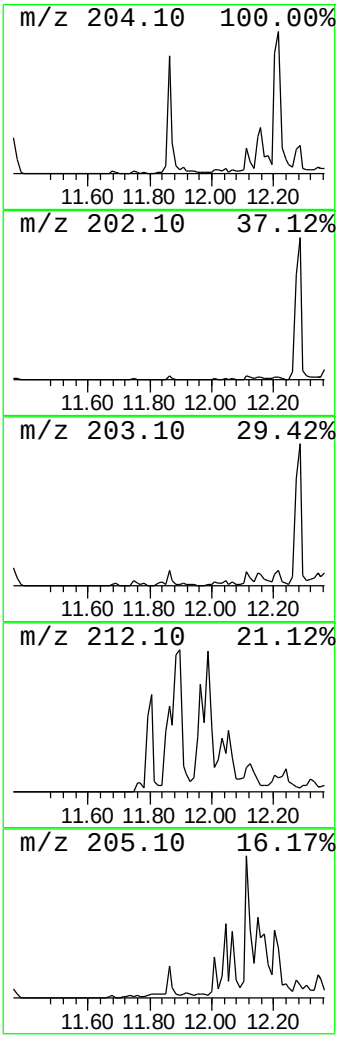
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	13.64 ng	274146	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	55
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088390.D
Acq On : 25 Jun 2016 21:35
Operator : UM/SJ
Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(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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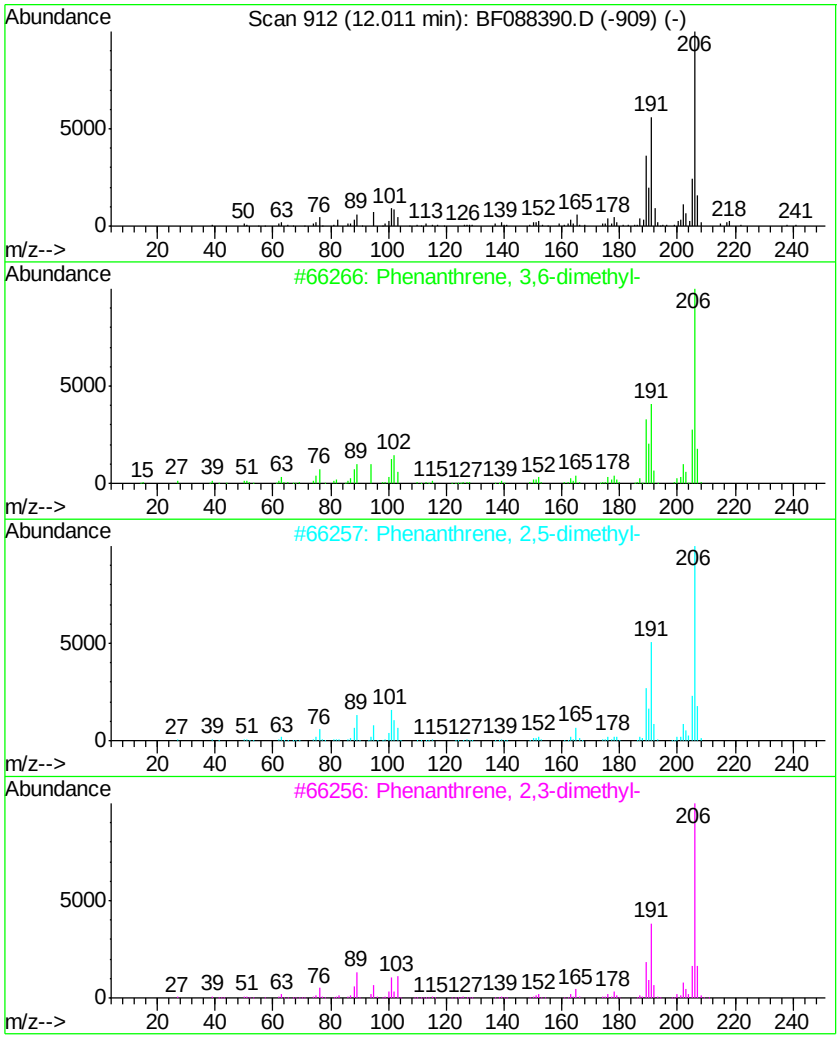
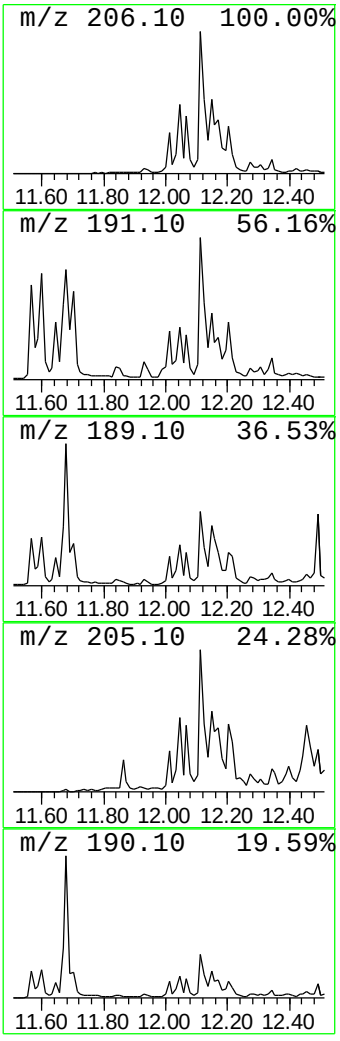
Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	9.36 ng	187989	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088390.D
Acq On : 25 Jun 2016 21:35
Operator : UM/SJ
Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(0-4)

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

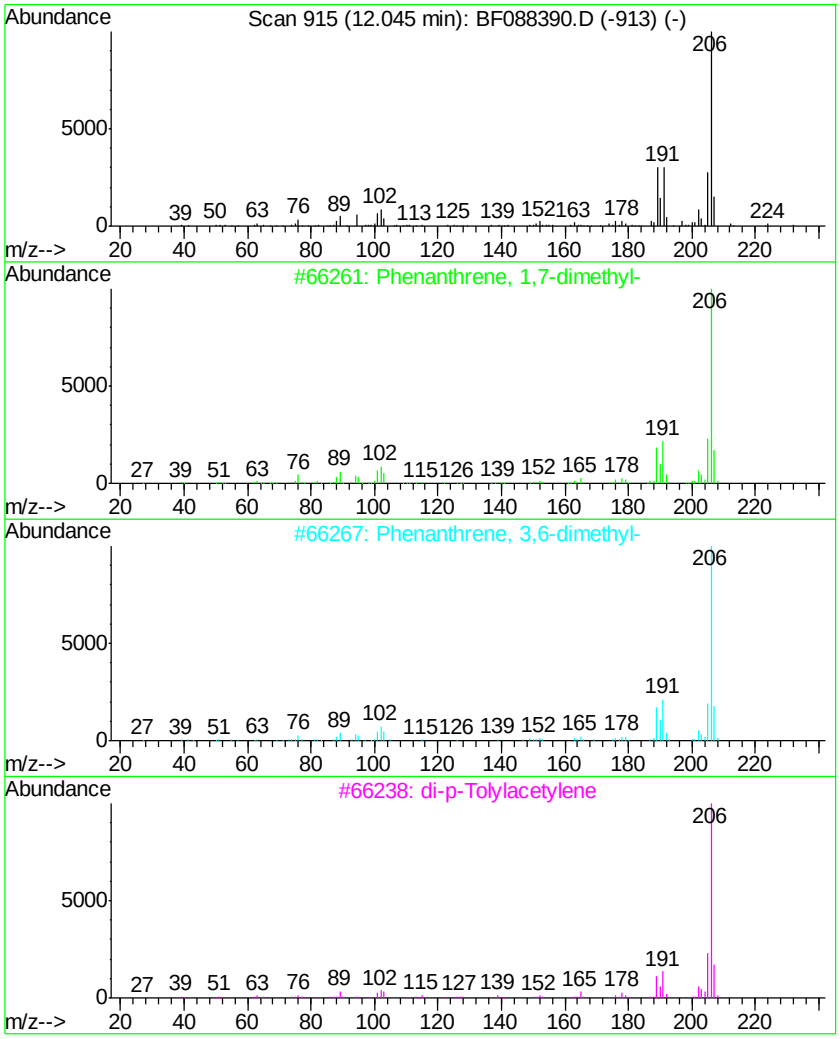
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

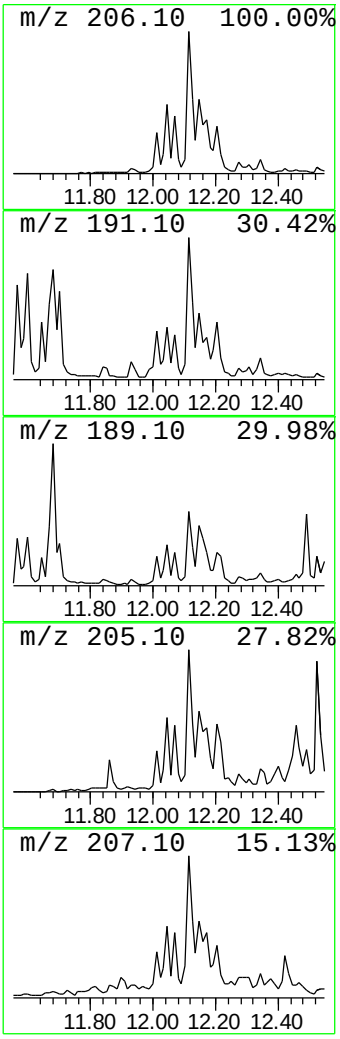
****

Peak Number 9 Phenanthrene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	19.78 ng	397521	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83





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Acq On : 25 Jun 2016 21:35
Operator : UM/SJ
Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(0-4)

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

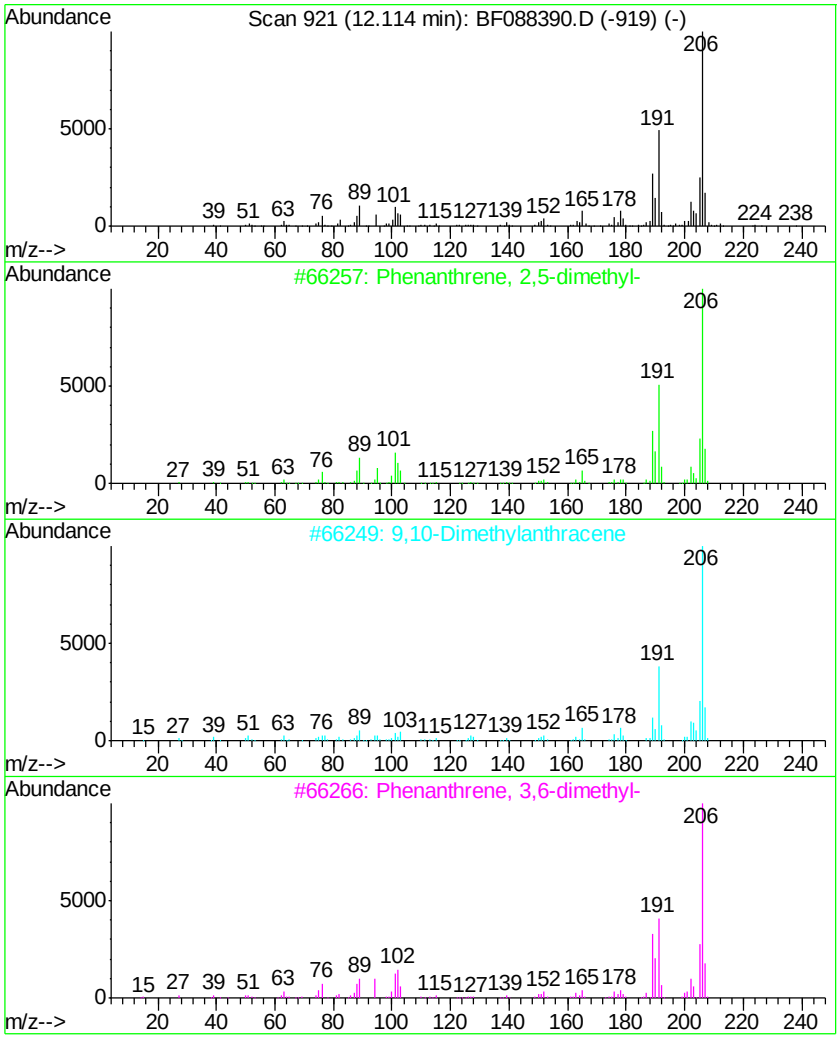
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

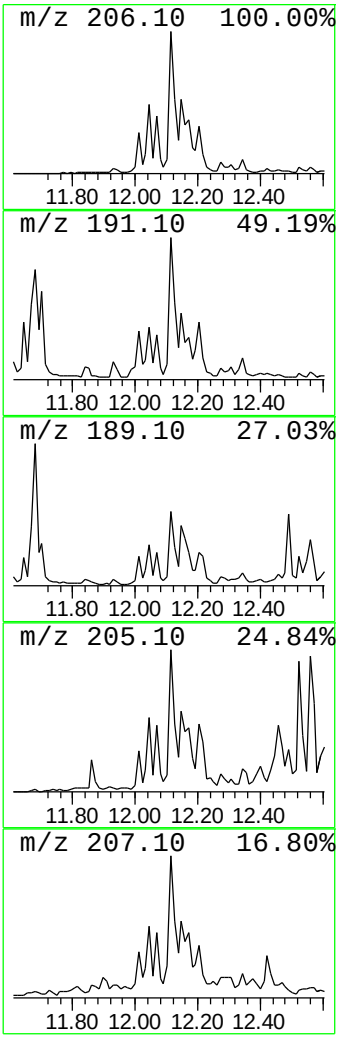
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	32.58 ng	654686	Phenanthrene-d10	11.06

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	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Data File : BF088390.D
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Operator : UM/SJ
Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(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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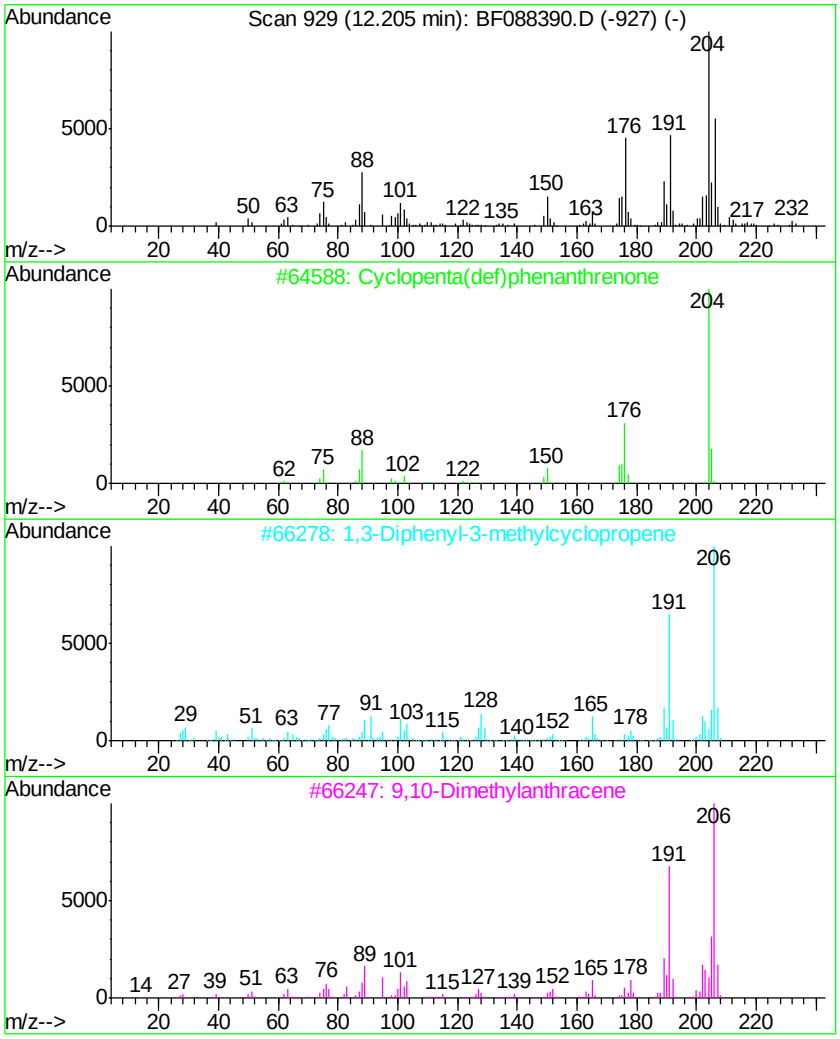
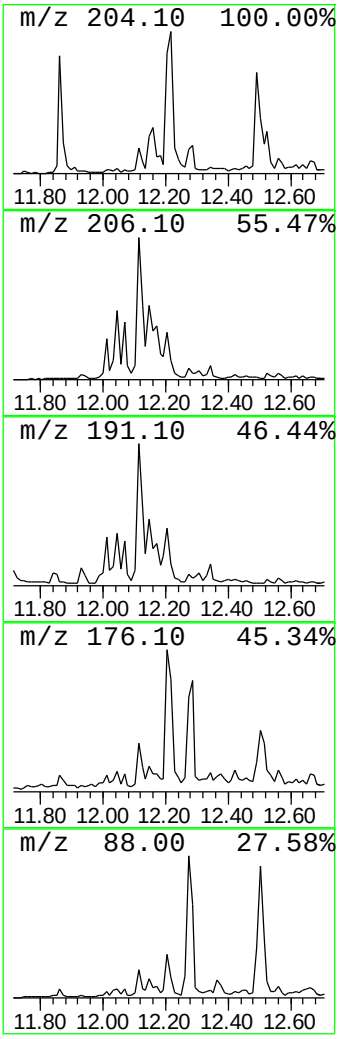
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	23.91 ng	480324	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	70
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	38





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Acq On : 25 Jun 2016 21:35
Operator : UM/SJ
Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(0-4)

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

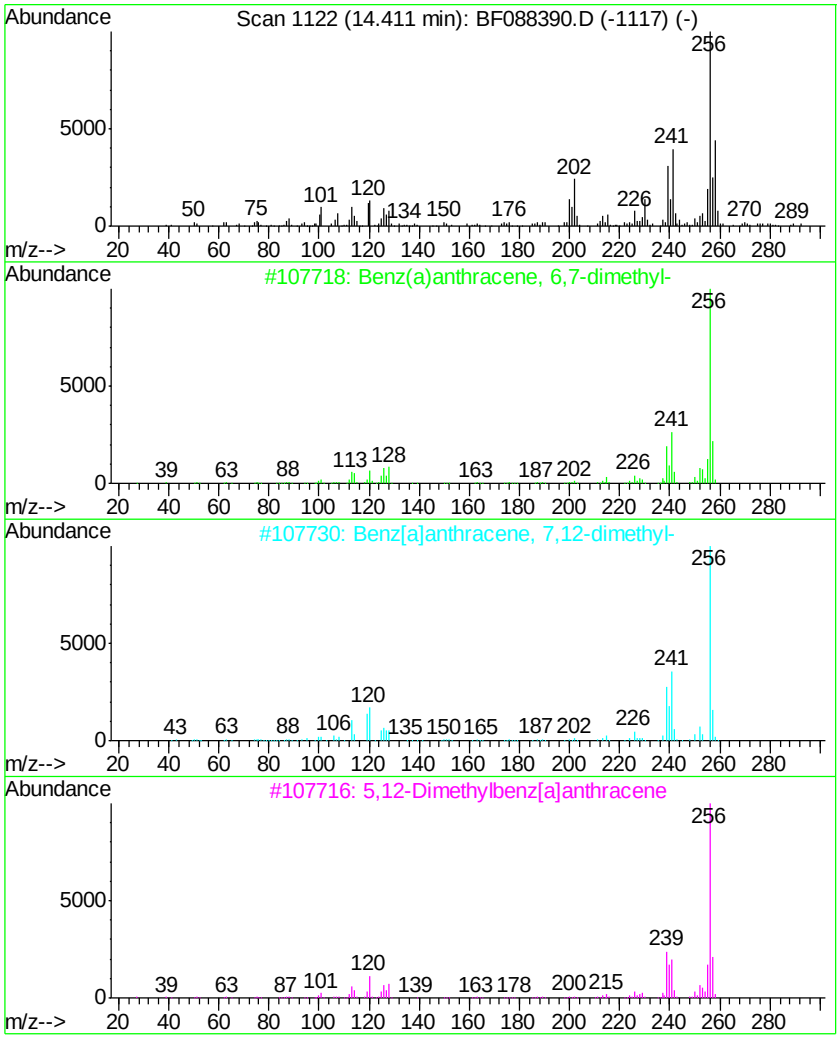
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

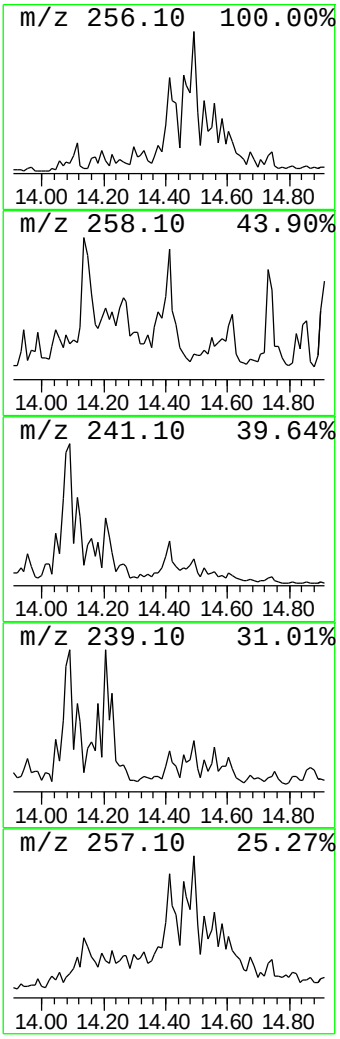
****

Peak Number 13 Benz(a)anthracene, 6,7-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	28.52 ng	382632	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	96
2	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	96
3	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	96
4	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	96
5	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	95





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Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(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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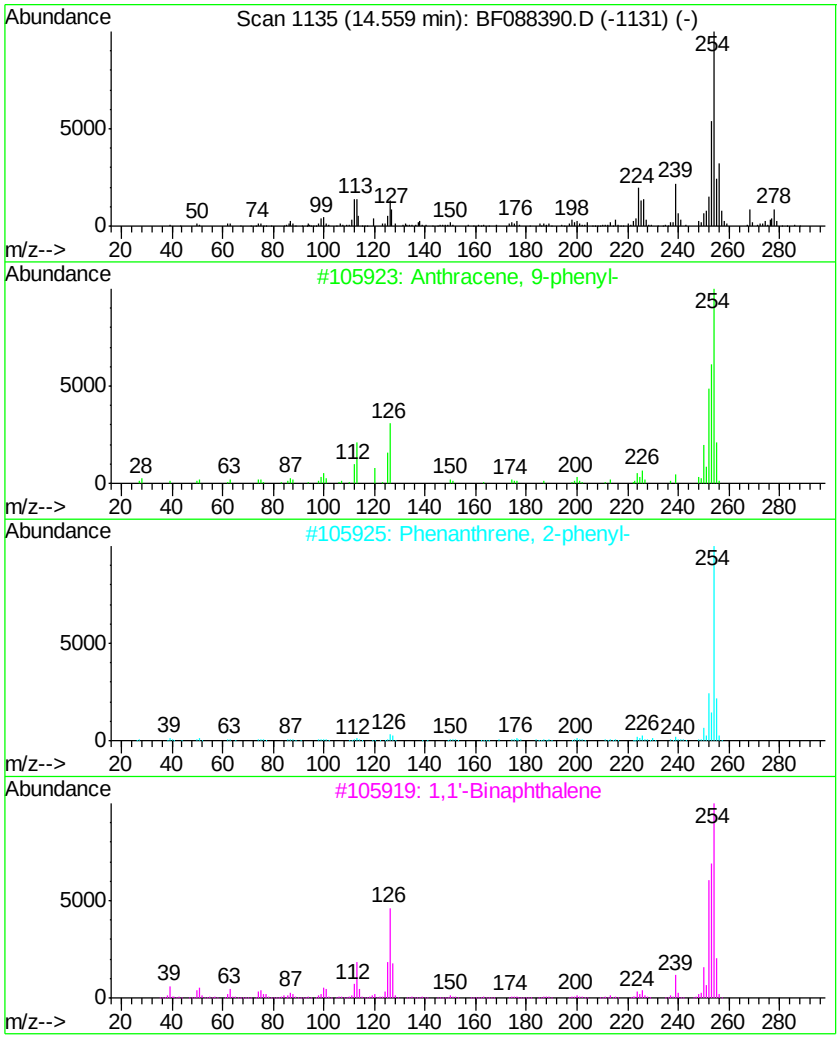
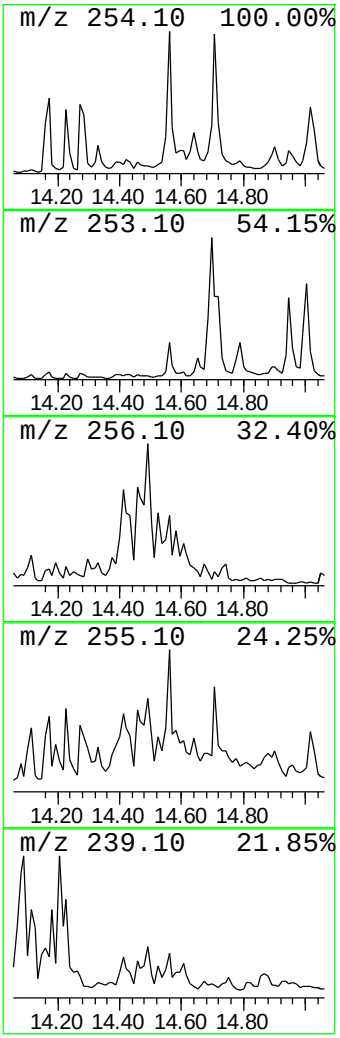
Peak Number 14 Anthracene, 9-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	27.75 ng	372366	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
2	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	55
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	53
4	Estra-1,3,5(10),16-tetraen-3-ol	254	C18H22O	001150-90-9	50
5	Benzenamine, 4,4'-methylenebis[N...	254	C17H22N2	000101-61-1	50





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Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(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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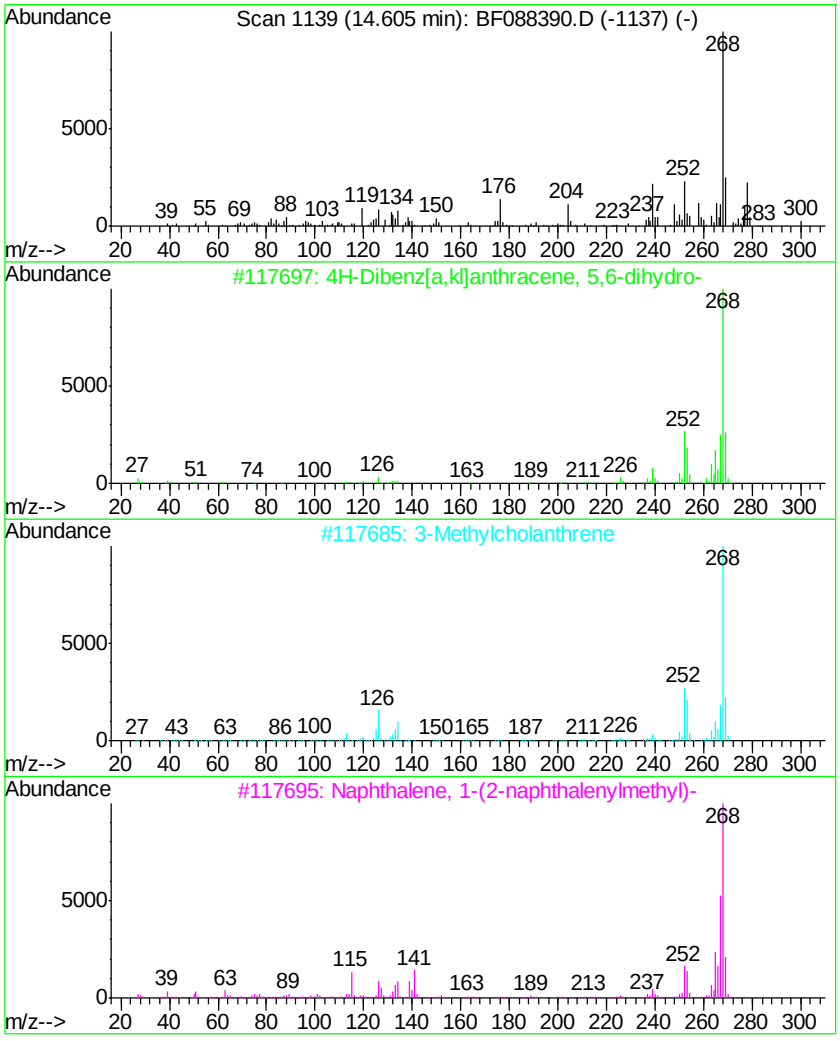
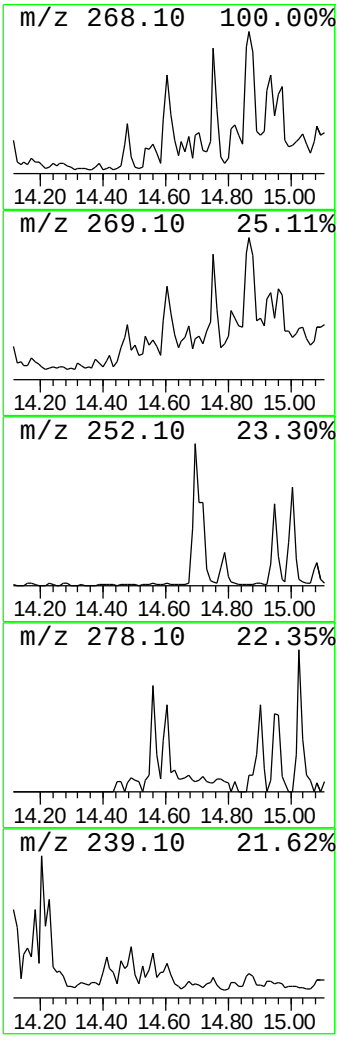
Peak Number 15 4H-Dibenz[a,kl]anthracene, ... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	13.25 ng	177761	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	60
2	3-Methylcholanthrene	268	C21H16	000056-49-5	60
3	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	53
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	46
5	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	46





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Acq On : 25 Jun 2016 21:35
Operator : UM/SJ
Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(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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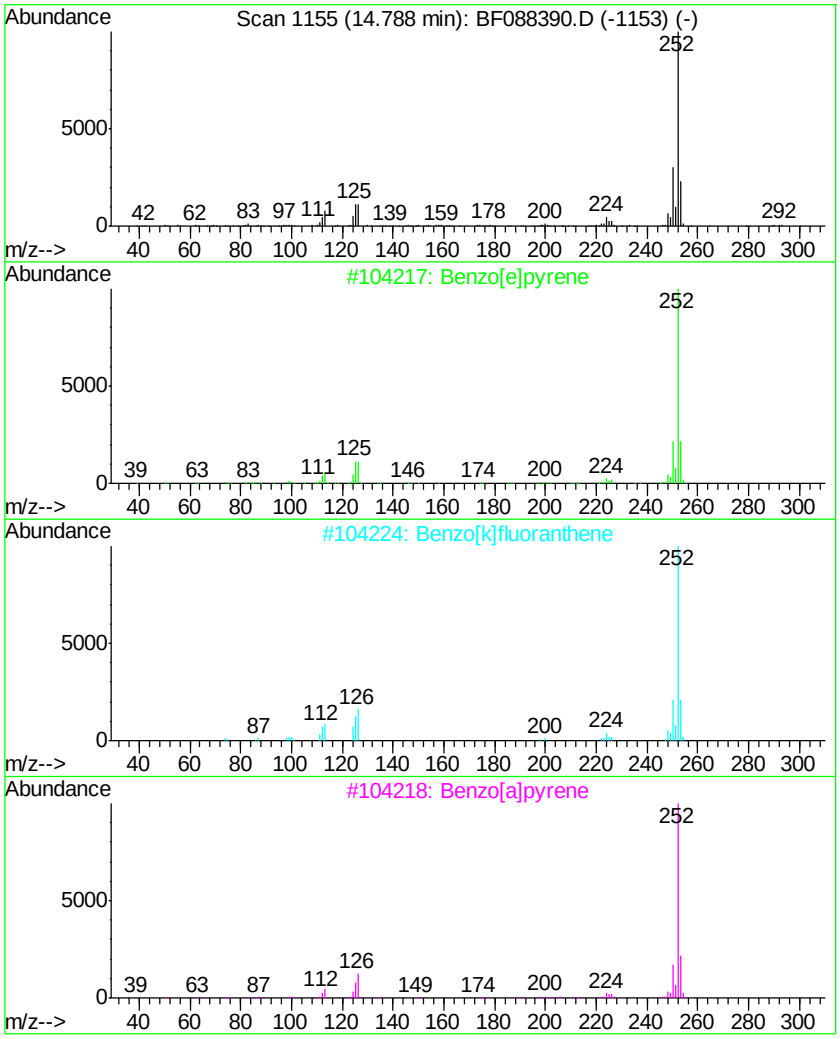
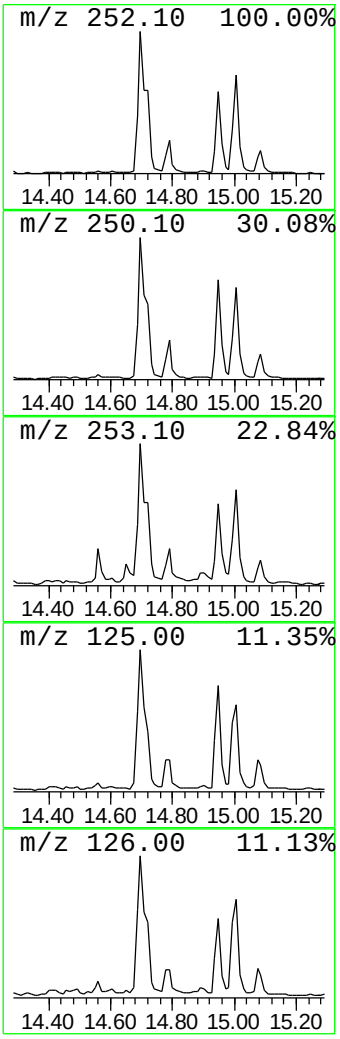
Peak Number 16 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	22.28 ng	298944	Perylene-d12	15.05

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	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	90





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Operator : UM/SJ
Sample : H3624-20
Misc :
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Instrument : BNA_F
ClientSampleId : SC-STA-1506(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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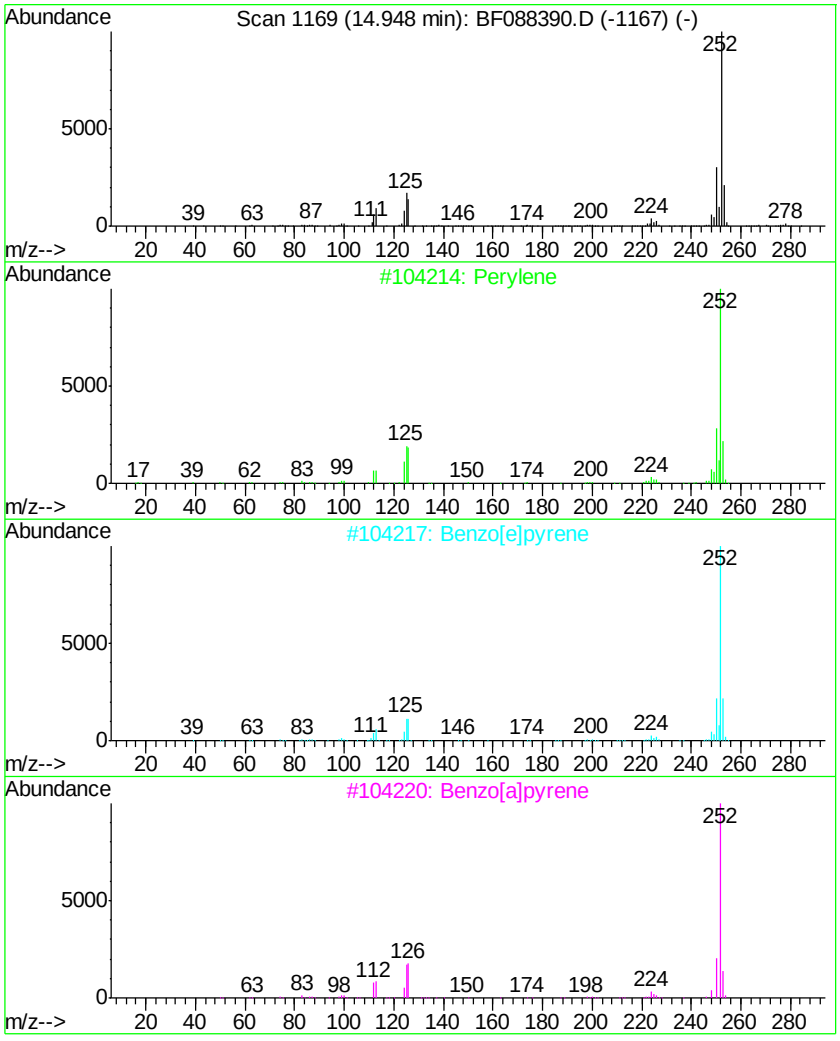
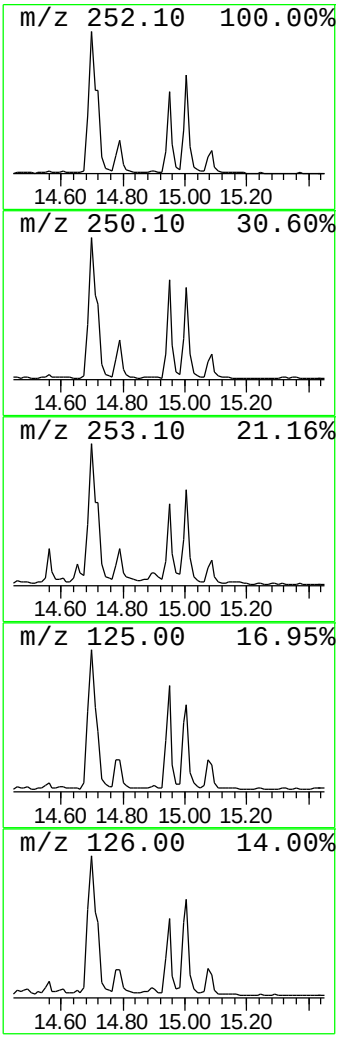
Peak Number 17 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	55.23 ng	741021	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(0-4)

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TIC Library : C:\Database\NIST11.L
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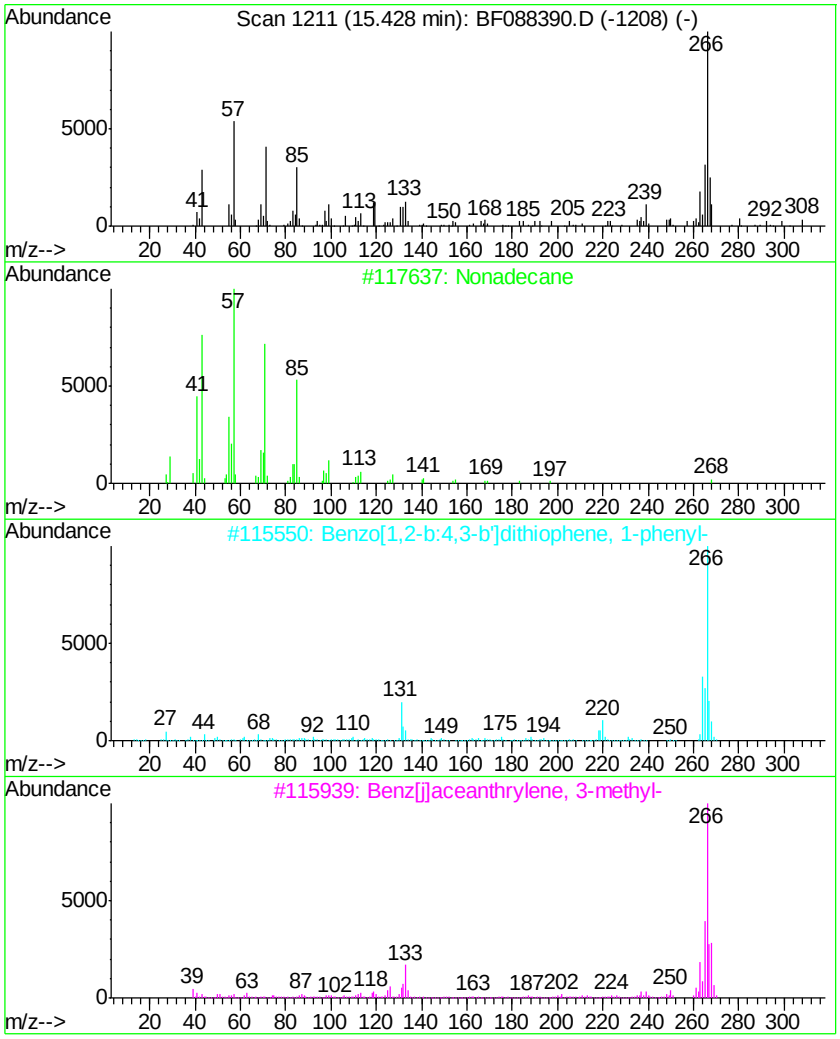
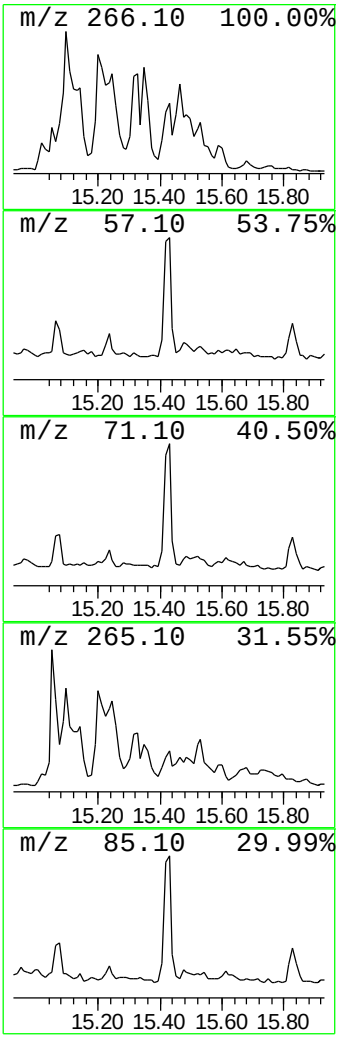
Peak Number 18 Nonadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	10.26 ng	137669	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	55
2	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	52
3	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	46
4	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	46
5	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	43





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Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(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
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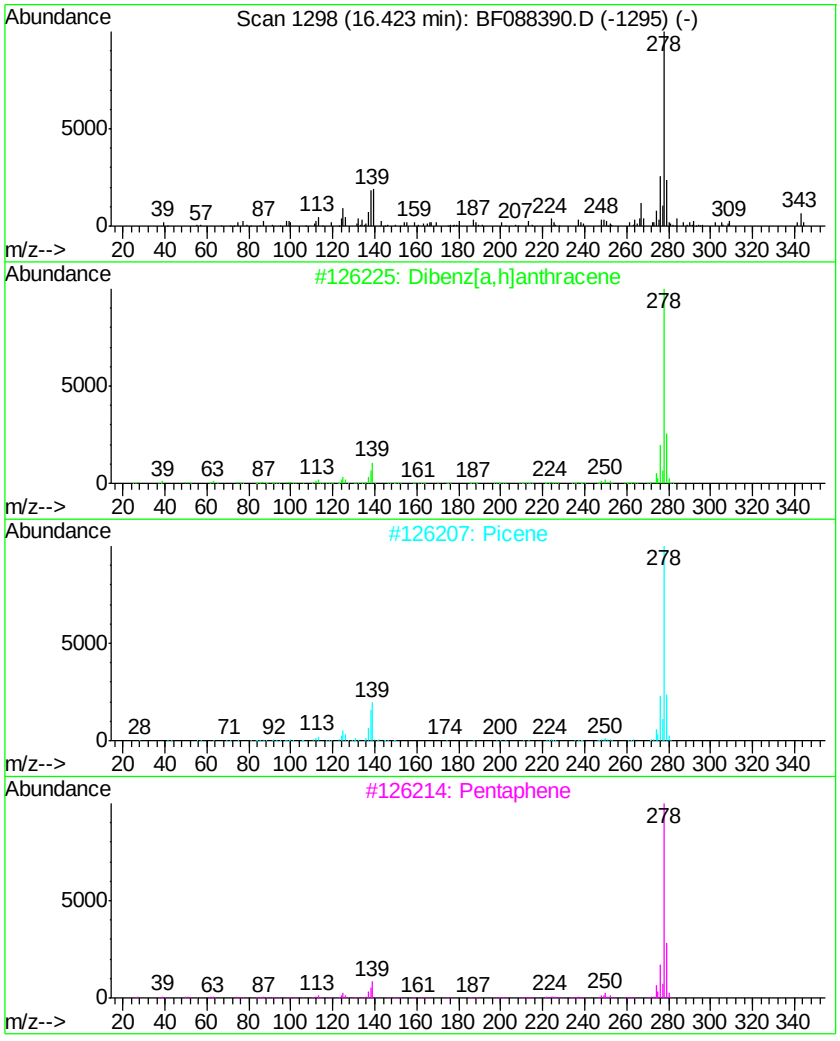
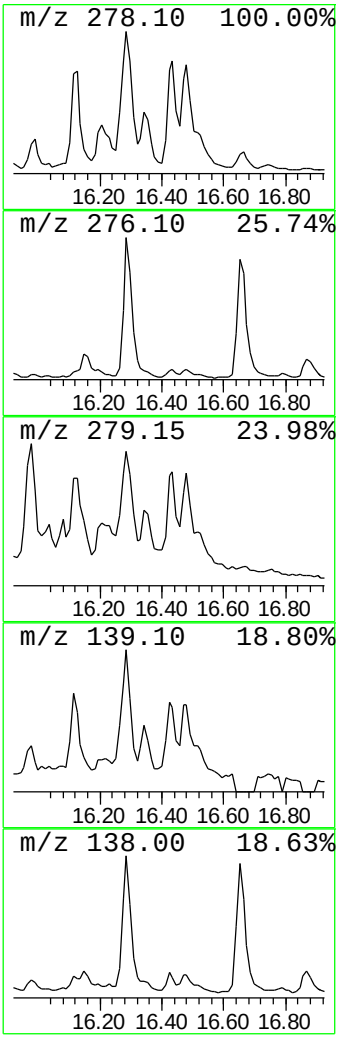
Peak Number 19 Dibenz[a,h]anthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	10.07 ng	135063	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
2	Picene	278	C22H14	000213-46-7	93
3	Pentaphene	278	C22H14	000222-93-5	92
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	86
5	Pentacene	278	C22H14	000135-48-8	70





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Misc :
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Instrument : BNA_F
ClientSampleId : SC-STA-1506(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
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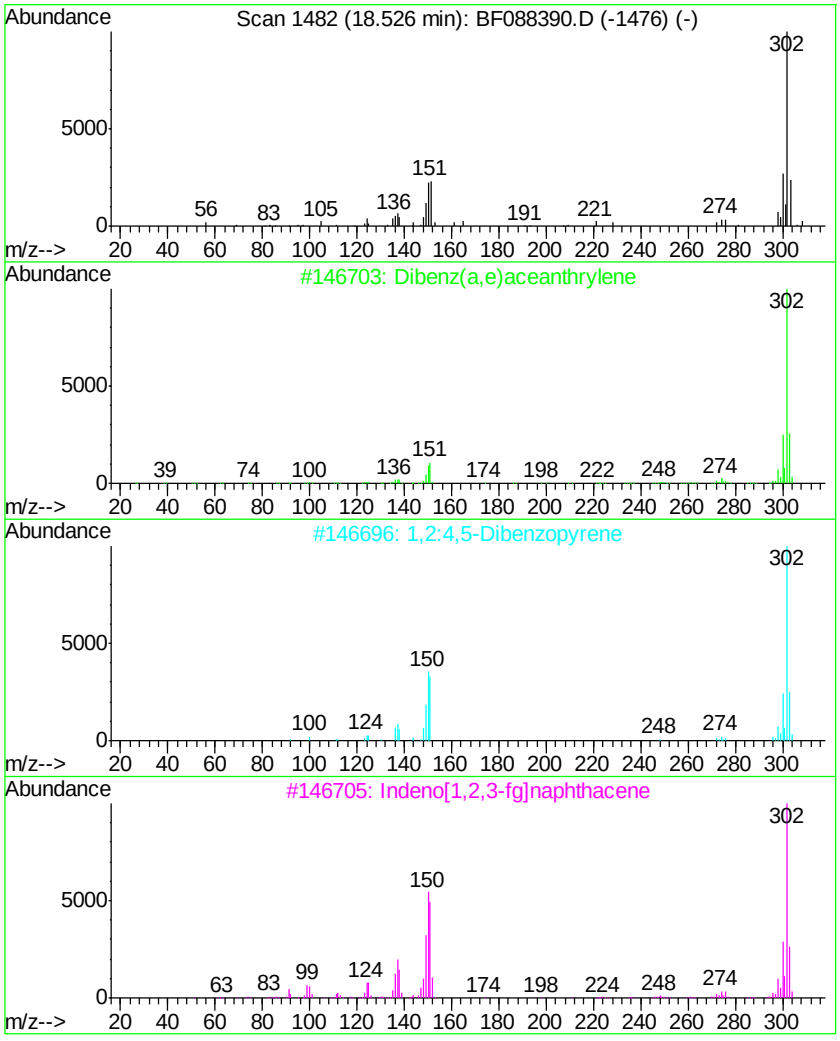
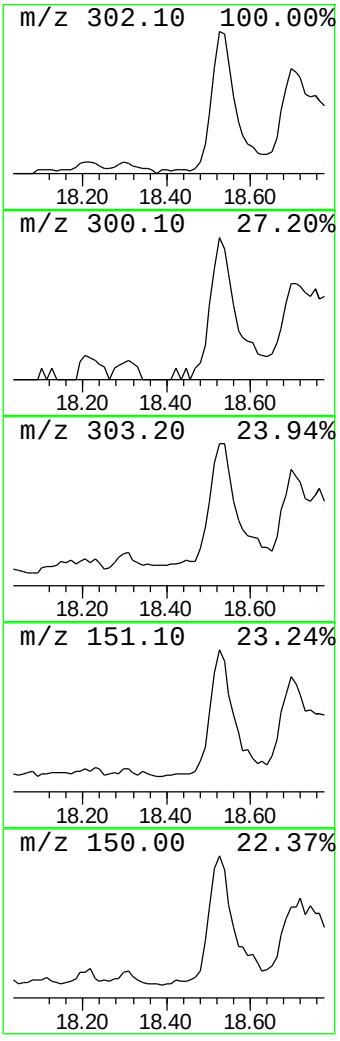
Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	13.69 ng	183712	Perylene-d12	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
3	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	93
4	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	81
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	76





Tentatively Identified Compound (LSC) summary

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Data File : BF088390.D
Acq On : 25 Jun 2016 21:35
Operator : UM/SJ
Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(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
unknown6.33	6.33	66.9	ng	1372400	1	6.56	410282	20.0
Phenanthrene, 2-m...	11.56	11.7	ng	234721	4	11.06	401850	20.0
4H-Cyclopenta[def...	11.68	37.2	ng	748112	4	11.06	401850	20.0
Naphthalene, 2-ph...	11.86	13.6	ng	274146	4	11.06	401850	20.0
Phenanthrene, 3,6...	12.01	9.4	ng	187989	4	11.06	401850	20.0
Phenanthrene, 1,7...	12.05	19.8	ng	397521	4	11.06	401850	20.0
Phenanthrene, 2,5...	12.11	32.6	ng	654686	4	11.06	401850	20.0
Cyclopenta(def)ph...	12.21	23.9	ng	480324	4	11.06	401850	20.0
Benz(a)anthracene...	14.41	28.5	ng	382632	6	15.05	268353	20.0
Anthracene, 9-phe...	14.56	27.8	ng	372366	6	15.05	268353	20.0
4H-Dibenz[a,kl]an...	14.61	13.3	ng	177761	6	15.05	268353	20.0
Benzo[e]pyrene	14.79	22.3	ng	298944	6	15.05	268353	20.0
Perylene	14.95	55.2	ng	741021	6	15.05	268353	20.0
Nonadecane	15.43	10.3	ng	137669	6	15.05	268353	20.0
Dibenz[a,h]anthra...	16.42	10.1	ng	135063	6	15.05	268353	20.0
Dibenz(a,e)aceant...	18.53	13.7	ng	183712	6	15.05	268353	20.0