LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
Data File : BF088905.D
Acq On : 11 Jul 2016 17:58
Operator : UM/SJ
Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

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-BF063016.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	1.678	6	8	13	rVV	186381	252085	11.28%	0.973%
2	1.747	13	14	17	rVV	53234	65148	2.91%	0.251%
3	1.804	17	19	27	rVV	1150217	2234971	100.00%	8.624%
4	1.918	27	29	44	rVB	75471	241833	10.82%	0.933%
5	4.867	284	287	295	rVB	103135	145180	6.50%	0.560%
6	5.301	323	325	328	rBV	1245311	1255690	56.18%	4.845%
7	6.353	414	417	419	rBV	1342878	1314174	58.80%	5.071%
8	6.479	425	428	430	rBV	1616534	1449019	64.83%	5.591%
9	6.707	446	448	450	rBB	416169	383998	17.18%	1.482%
10	6.867	459	462	464	rBB	1384668	1164022	52.08%	4.491%
11	7.279	495	498	500	rBV	921554	990829	44.33%	3.823%
12	7.999	558	561	563	rBV	540871	531653	23.79%	2.051%
13	9.073	652	655	657	rBV	1809065	1596886	71.45%	6.162%
14	9.462	687	689	692	rVB	130107	178676	7.99%	0.689%
15	9.748	711	714	716	rBV	481827	510751	22.85%	1.971%
16	10.525	780	782	785	rBV	795853	804685	36.00%	3.105%
17	10.662	790	794	799	rBV	43417	50777	2.27%	0.196%
18	11.108	832	833	835	rVB	33707	25488	1.14%	0.098%
19	11.222	840	843	847	rBV2	510745	660746	29.56%	2.549%
20	11.291	847	849	851	rVB	44351	39272	1.76%	0.152%
21	11.542	868	871	873	rVB	17861	37912	1.70%	0.146%
22	11.714	885	886	888	rBV	64126	94909	4.25%	0.366%
23	11.748	888	889	891	rVV	138541	105595	4.72%	0.407%
24	11.794	891	893	894	rVV	36891	29811	1.33%	0.115%
25	11.828	894	896	900	rVB	133012	200232	8.96%	0.773%
26	11.954	900	907	908	rBV3	12982	26042	1.17%	0.100%
27	12.011	911	912	917	rVB3	44666	78476	3.51%	0.303%
28	12.159	922	925	927	rBV	35314	46744	2.09%	0.180%
29	12.194	927	928	932	rVB	36414	46352	2.07%	0.179%
30	12.262	932	934	936	rBV	74408	111728	5.00%	0.431%
31	12.296	936	937	940	rVV	41791	76953	3.44%	0.297%
32	12.354	940	942	944	rVB2	46835	67833	3.04%	0.262%
33	12.422	946	948	951	rVB	572660	538393	24.09%	2.077%
34	12.491	951	954	958	rVB3	21112	48380	2.16%	0.187%

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Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

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-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.571	958	961	963	rBV2	21472	56475	2.53%	0.218%
36	12.651	965	968	969	rVV	812185	841770	37.66%	3.248%
37	12.685	969	971	977	rVV	674471	1048921	46.93%	4.047%
38	12.811	979	982	984	rVB	941502	1335816	59.77%	5.154%
39	12.879	984	988	991	rVB2	87490	143778	6.43%	0.555%
40	12.959	991	995	998	rVB2	89336	201789	9.03%	0.779%
41	13.051	998	1003	1004	rBV3	61028	85743	3.84%	0.331%
42	13.085	1004	1006	1007	rBV	160166	164650	7.37%	0.635%
43	13.108	1007	1008	1010	rVV	53960	46879	2.10%	0.181%
44	13.177	1012	1014	1015	rBV	106311	103183	4.62%	0.398%
45	13.199	1015	1016	1018	rVB	89117	103482	4.63%	0.399%
46	13.291	1021	1024	1028	rVB4	27882	54367	2.43%	0.210%
47	13.394	1028	1033	1038	rBV3	49691	188125	8.42%	0.726%
48	13.485	1038	1041	1043	rBV	117712	145982	6.53%	0.563%
49	13.542	1043	1046	1048	rVB2	18574	33708	1.51%	0.130%
50	13.588	1048	1050	1052	rBV2	117173	170058	7.61%	0.656%
51	13.622	1052	1053	1054	rVV	100426	76037	3.40%	0.293%
52	13.645	1054	1055	1057	rVV2	38300	56075	2.51%	0.216%
53	13.691	1057	1059	1063	rVB2	99021	208763	9.34%	0.806%
54	13.759	1063	1065	1069	rVB2	22159	34550	1.55%	0.133%
55	13.839	1069	1072	1074	rBV2	707306	1186526	53.09%	4.578%
56	13.874	1074	1075	1077	rVV	495560	384160	17.19%	1.482%
57	13.942	1079	1081	1083	rBV2	29678	53589	2.40%	0.207%
58	14.034	1087	1089	1090	rVB2	47012	54280	2.43%	0.209%
59	14.102	1093	1095	1096	rVB	33370	35076	1.57%	0.135%
60	14.159	1098	1100	1102	rBV3	25653	34141	1.53%	0.132%
61	14.194	1102	1103	1104	rBV	47121	45891	2.05%	0.177%
62	14.228	1104	1106	1108	rVV	165846	191671	8.58%	0.740%
63	14.262	1108	1109	1111	rVV	113529	98237	4.40%	0.379%
64	14.320	1111	1114	1115	rVV2	53626	104013	4.65%	0.401%
65	14.354	1115	1117	1121	rVV3	71012	135922	6.08%	0.524%
66	14.422	1121	1123	1125	rVB2	36270	46204	2.07%	0.178%
67	14.525	1130	1132	1133	rBV	33338	35809	1.60%	0.138%
68	14.560	1133	1135	1137	rVV	28350	44909	2.01%	0.173%
69	14.628	1137	1141	1144	rVV4	63697	128687	5.76%	0.497%
70	14.674	1144	1145	1151	rVV2	28640	87646	3.92%	0.338%
71	14.754	1151	1152	1156	rVB2	60360	66920	2.99%	0.258%

LSC Area Percent Report

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Acq On : 11 Jul 2016 17:58
Operator : UM/SJ
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

Integration Parameters: rteint.p
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Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.845	1157	1160	1164	rBV2	296595	629798	28.18%	2.430%
73	14.937	1166	1168	1173	rVB	73568	140518	6.29%	0.542%
74	15.108	1181	1183	1185	rVB	203446	224100	10.03%	0.865%
75	15.165	1185	1188	1190	rVB	228947	311233	13.93%	1.201%
76	15.222	1190	1193	1194	rBV	269541	381416	17.07%	1.472%
77	15.600	1224	1226	1228	rBV	15155	29158	1.30%	0.113%
78	15.645	1228	1230	1232	rBV	41470	74491	3.33%	0.287%
79	16.205	1277	1279	1287	rVB4	38141	113425	5.08%	0.438%
80	16.354	1288	1292	1298	rBV3	37391	124032	5.55%	0.479%
81	16.503	1302	1305	1309	rVB2	106481	185296	8.29%	0.715%
82	16.651	1316	1318	1320	rVB	16866	25702	1.15%	0.099%
83	16.708	1320	1323	1325	rBV	20067	31965	1.43%	0.123%
84	16.880	1335	1338	1343	rVB	80842	160712	7.19%	0.620%
85	17.017	1346	1350	1354	rBV7	19849	71080	3.18%	0.274%
86	17.085	1354	1356	1363	rVB2	19606	51314	2.30%	0.198%
87	18.834	1505	1509	1516	rVB3	20890	88971	3.98%	0.343%
88	19.017	1521	1525	1528	rVV4	11574	34567	1.55%	0.133%

Sum of corrected areas: 25916853

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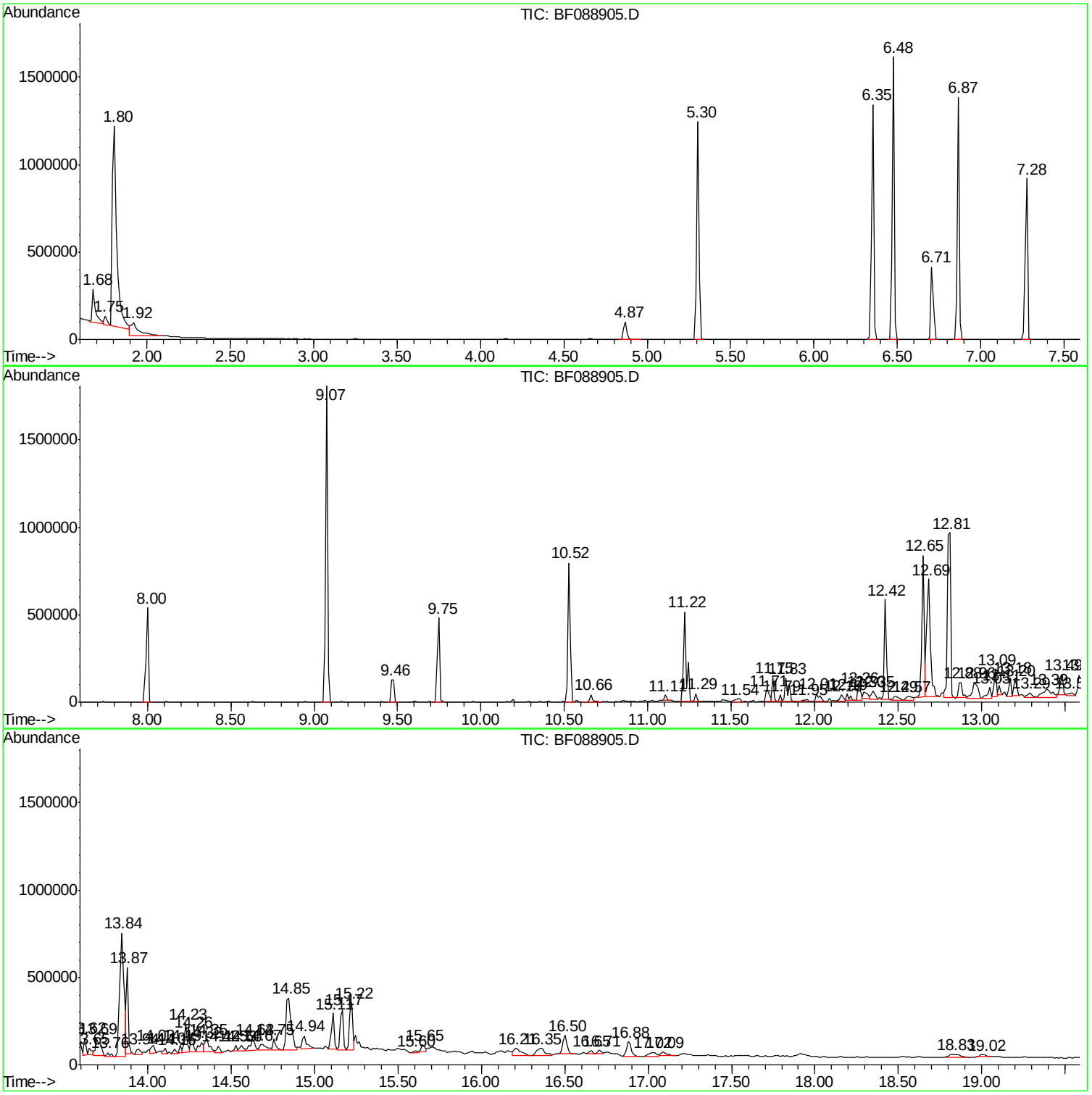
Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P7-B2-0-5-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
Data File : BF088905.D
Acq On : 11 Jul 2016 17:58
Operator : UM/SJ
Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

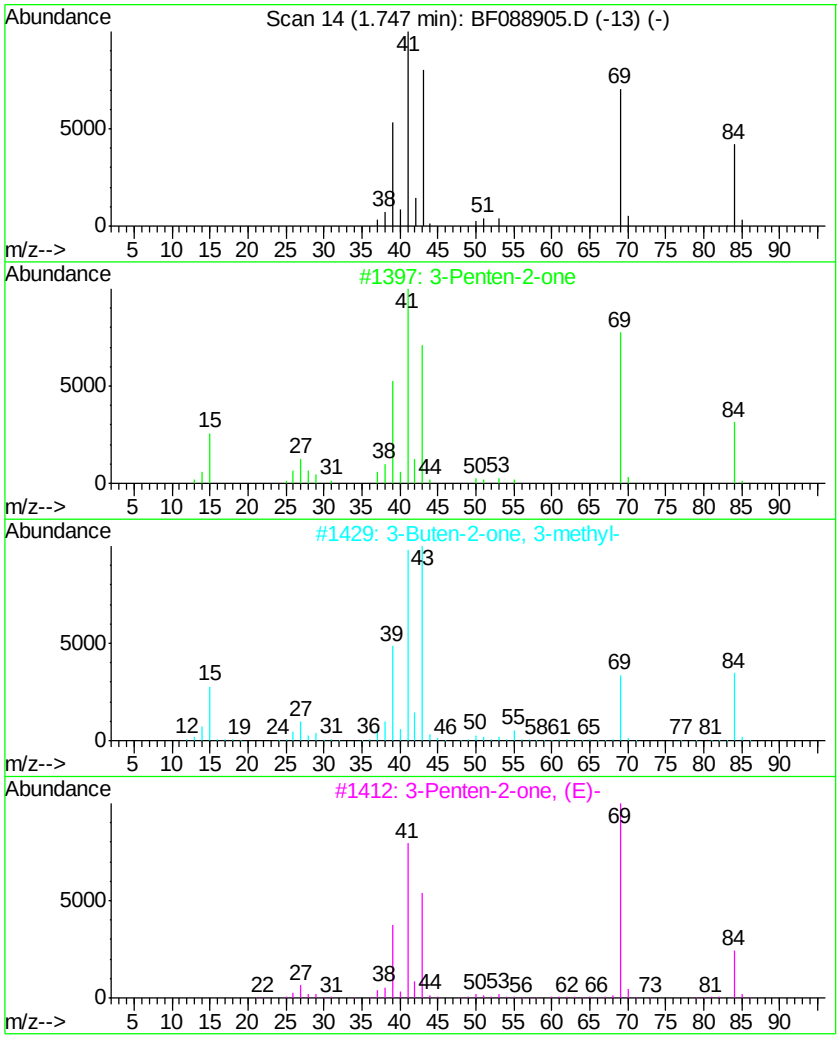
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

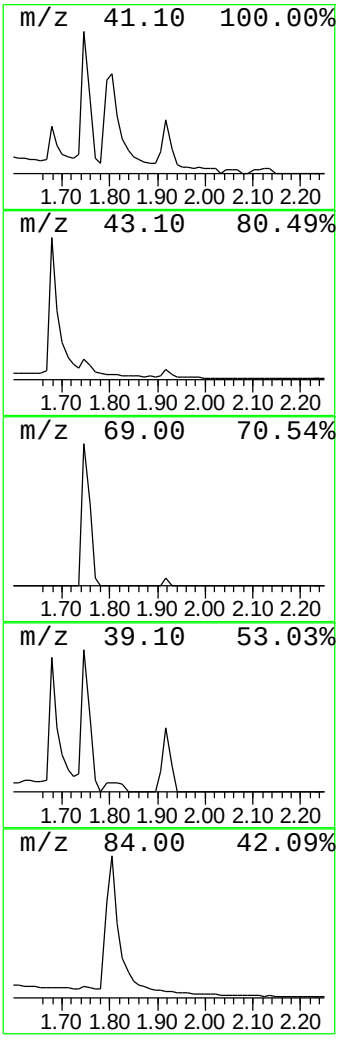
****

Peak Number 2 3-Penten-2-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	3.39 ng	65148	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one	84	C5H8O	000625-33-2	86
2	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	59
3	3-Penten-2-one, (E)-	84	C5H8O	003102-33-8	58
4	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	49
5	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
Data File : BF088905.D
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Operator : UM/SJ
Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

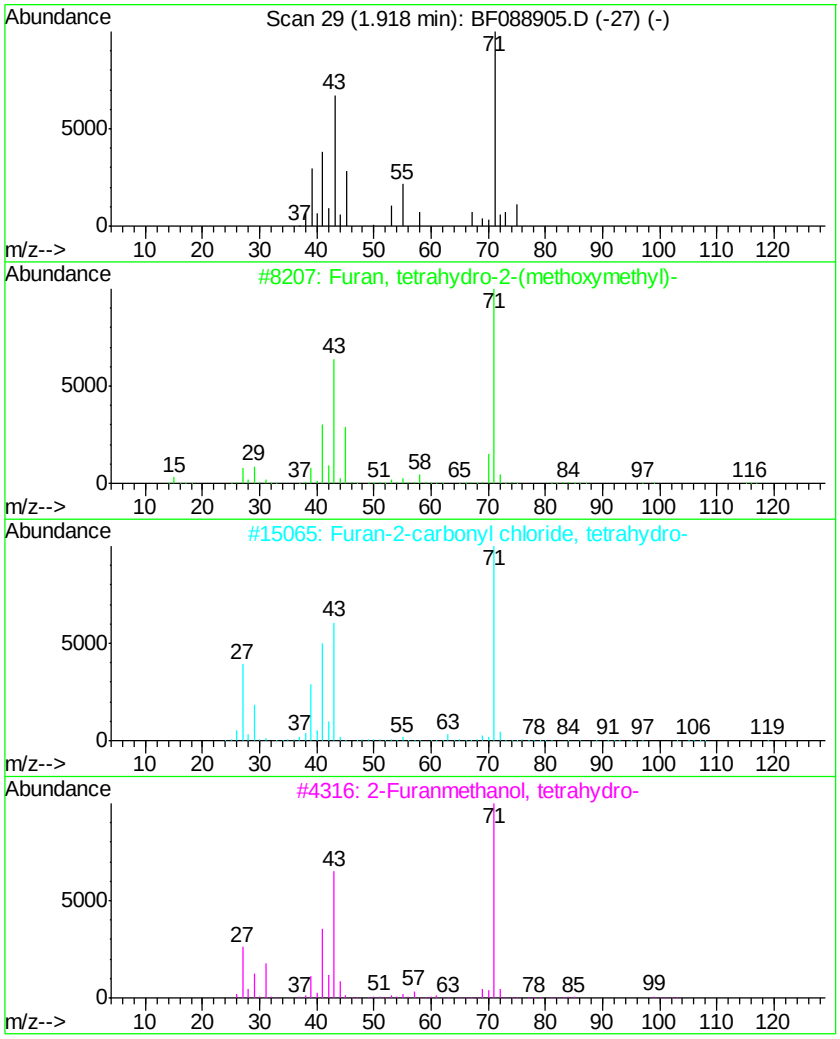
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

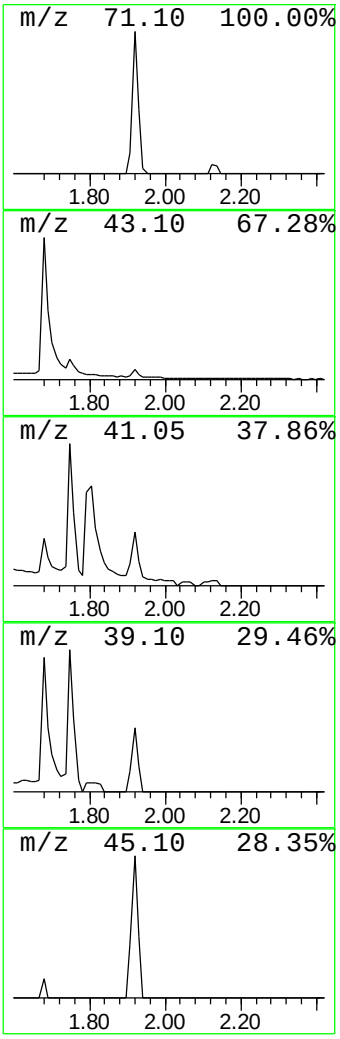
****

Peak Number 4 Furan, tetrahydro-2-(methox... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.92	12.60 ng	241833	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	59
2	Furan-2-carbonyl chloride, tetra...	134	C5H7ClO2	052449-98-6	50
3	2-Furanmethanol, tetrahydro-	102	C5H10O2	000097-99-4	42
4	Cyclopropanemethanol, .alpha.-bu...	128	C8H16O	004379-16-2	36
5	Pantolactone	130	C6H10O3	000599-04-2	36





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Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
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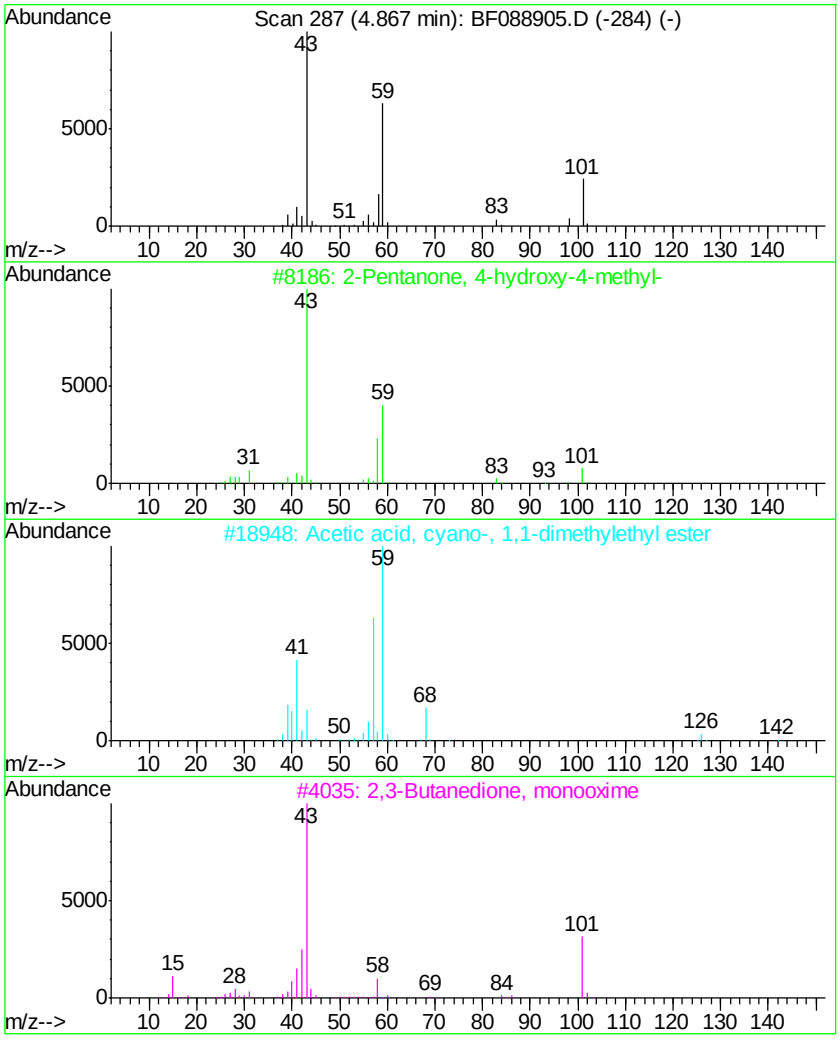
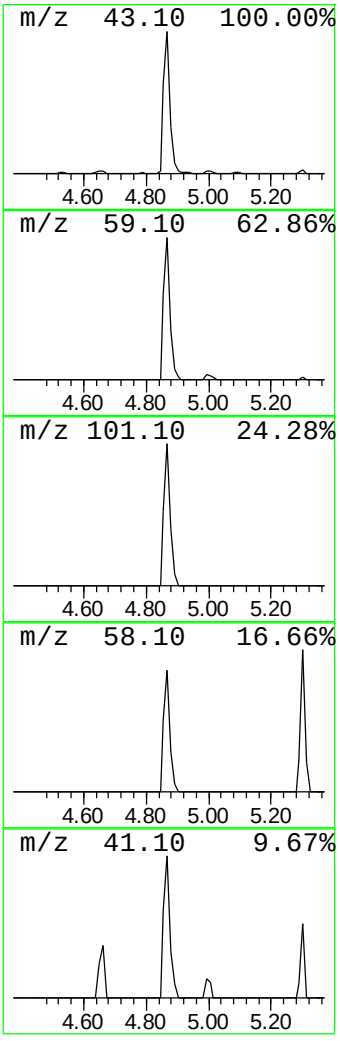
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	7.56 ng	145180	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
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TIC Library : C:\Database\NIST11.L
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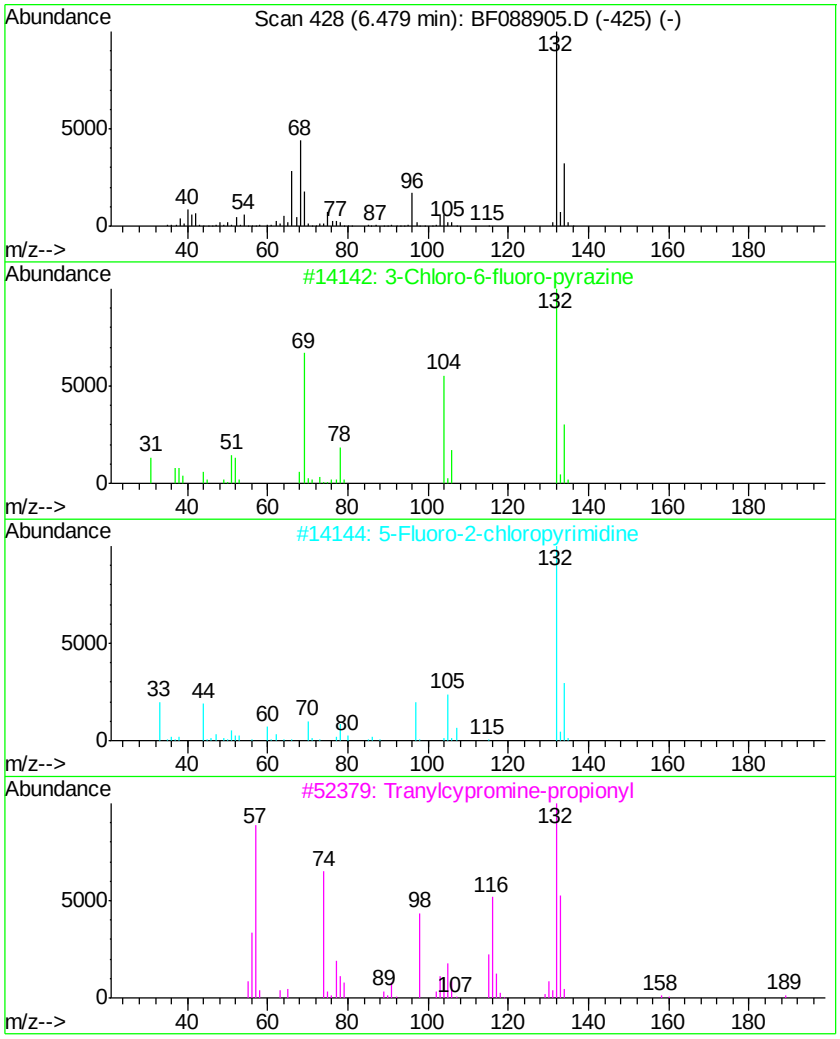
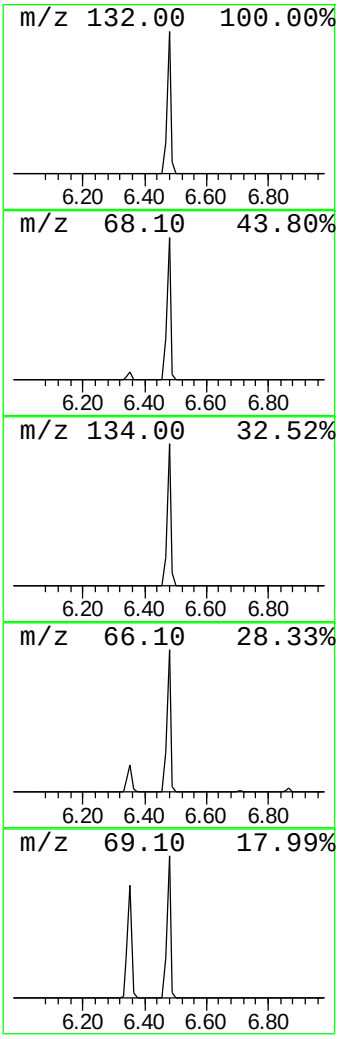
****

Peak Number 6 unknown6.48 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	75.47 ng	1449020	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

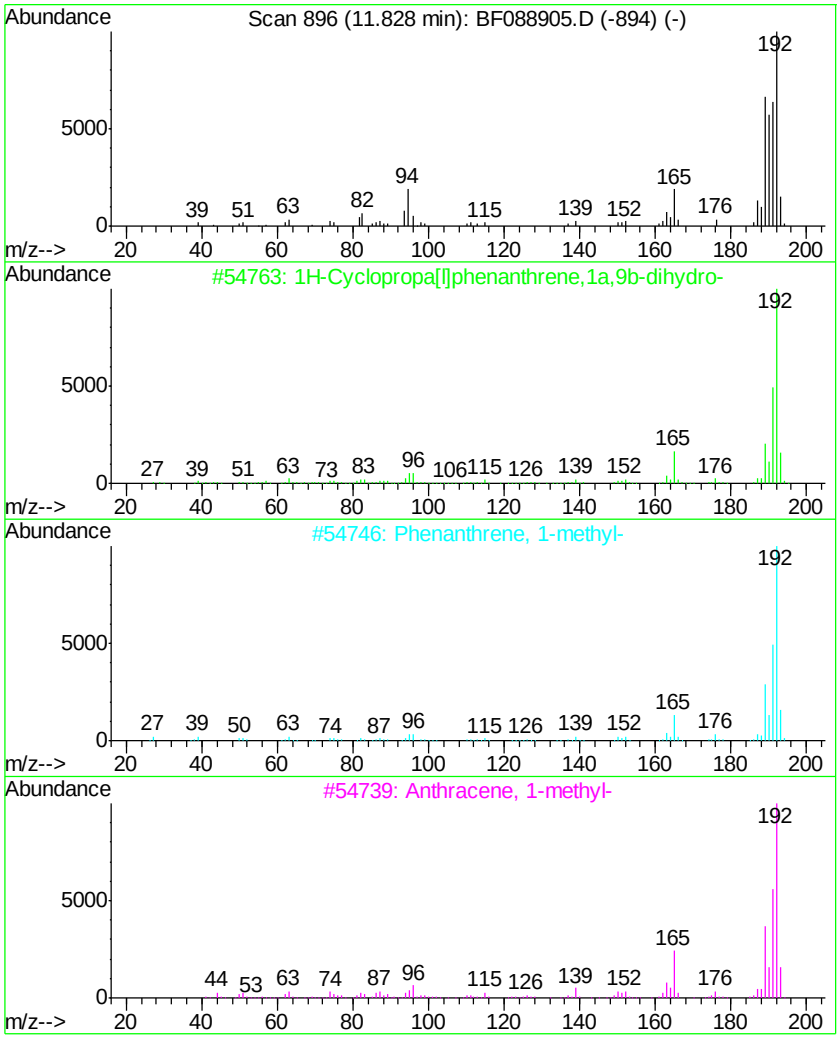
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

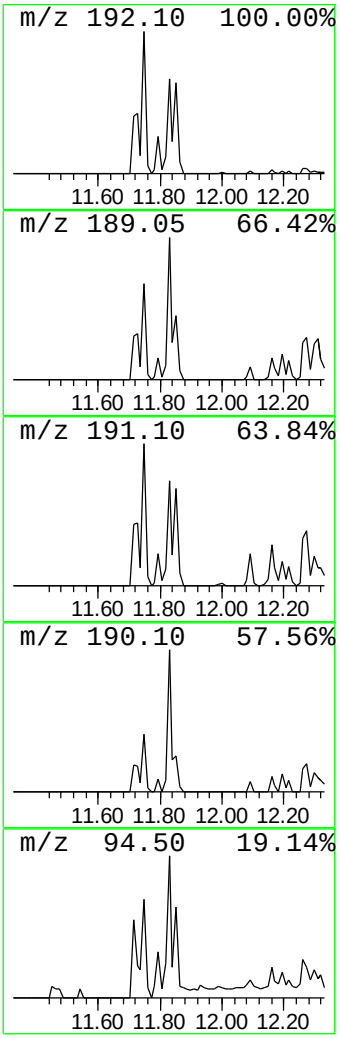
****

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	6.06 ng	200232	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60





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Operator : UM/SJ
Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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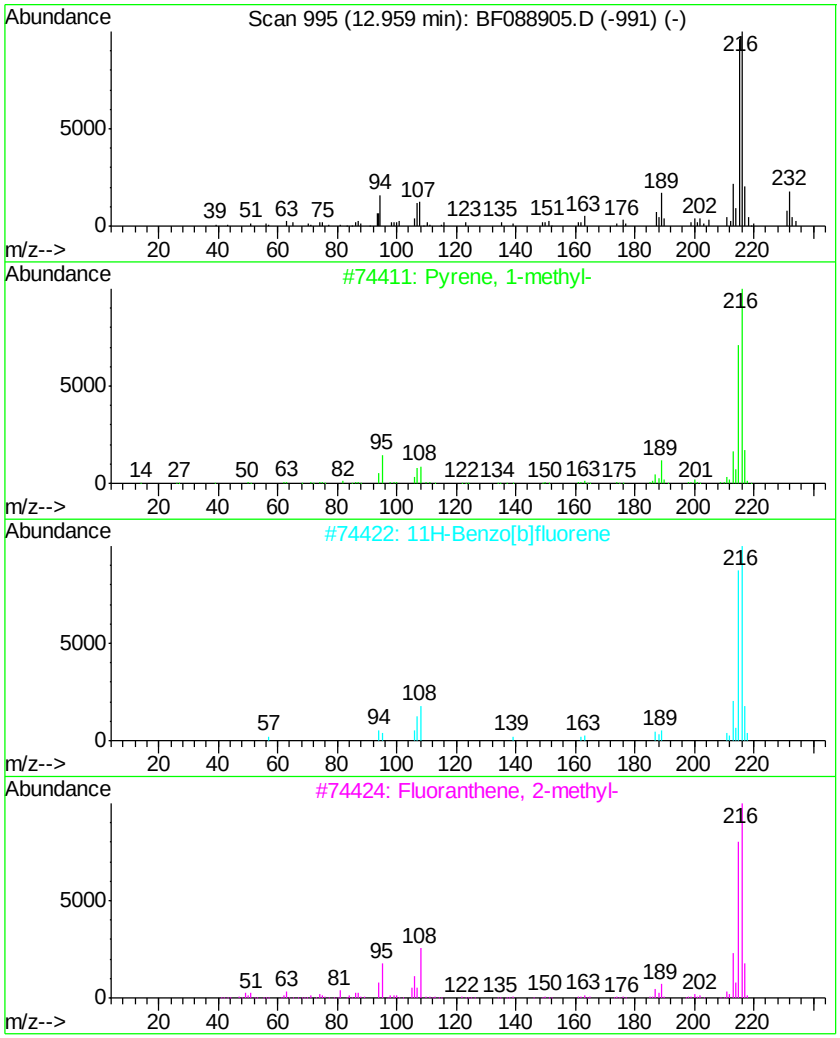
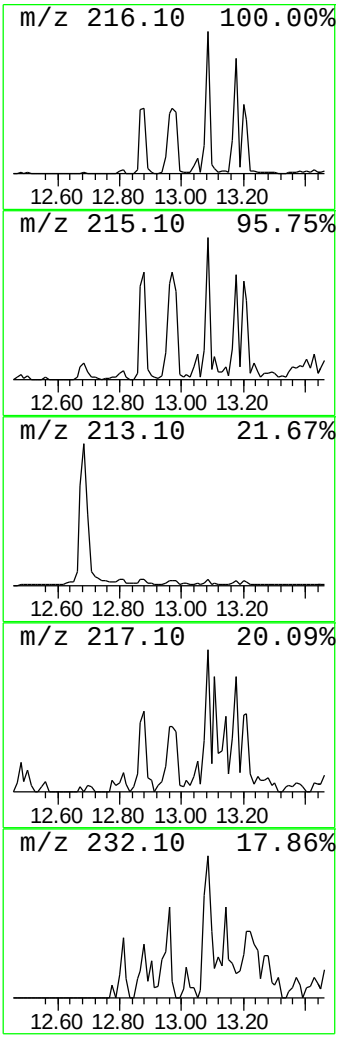
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.40 ng	201789	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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Data File : BF088905.D
Acq On : 11 Jul 2016 17:58
Operator : UM/SJ
Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

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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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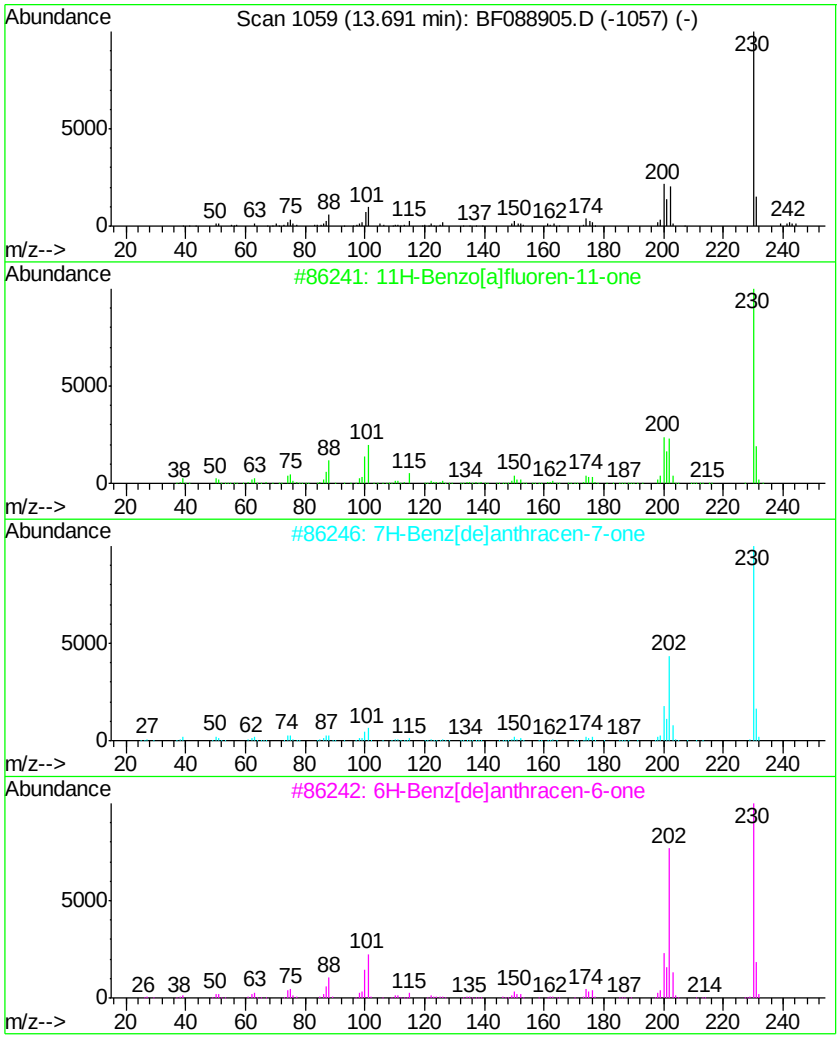
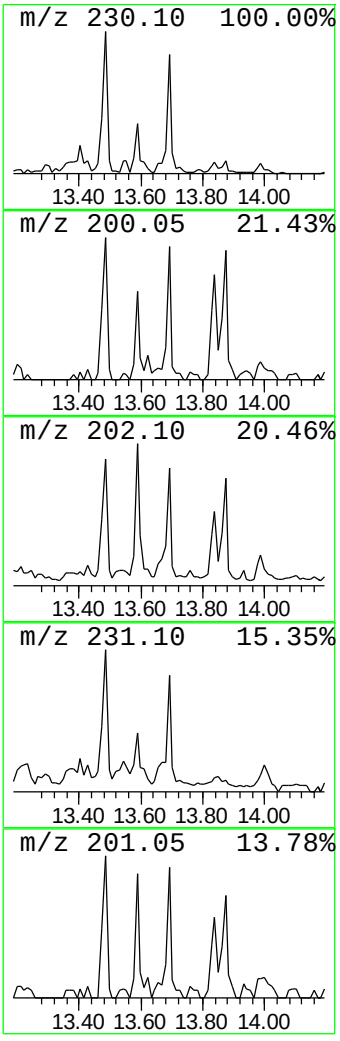
Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	3.52 ng	208763	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	o-Terphenyl	230	C18H14	000084-15-1	53
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	49





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Sample : H3915-01
Misc :
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Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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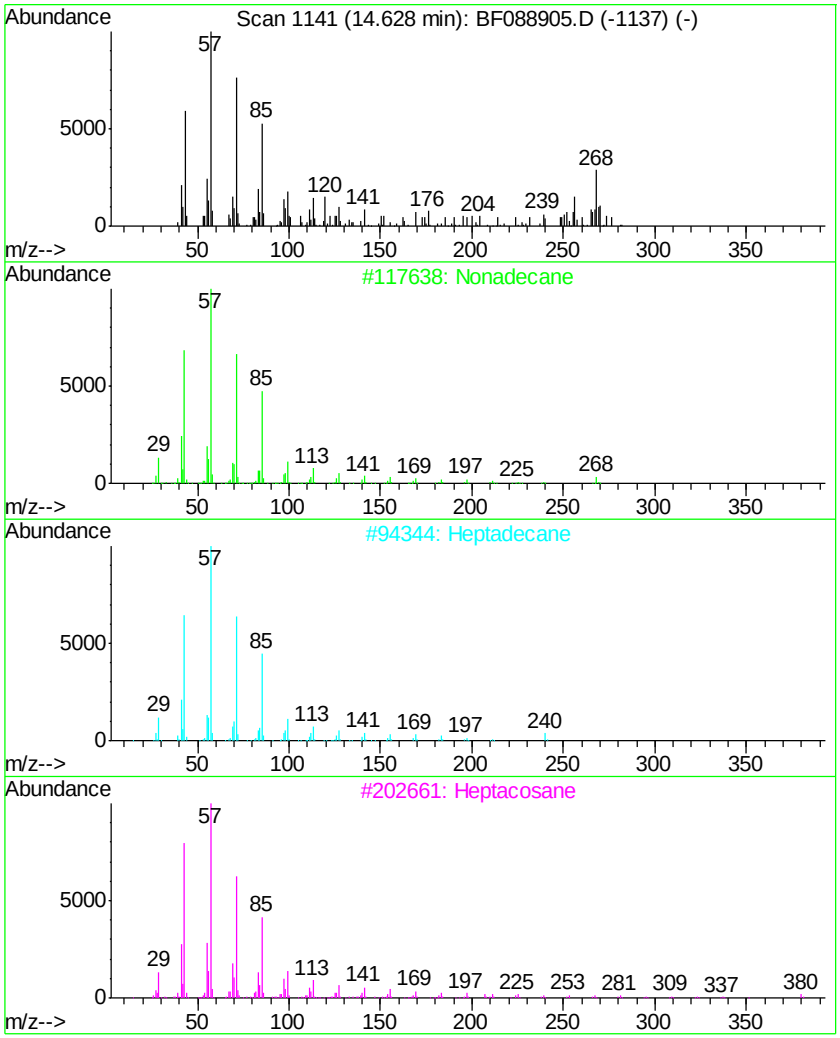
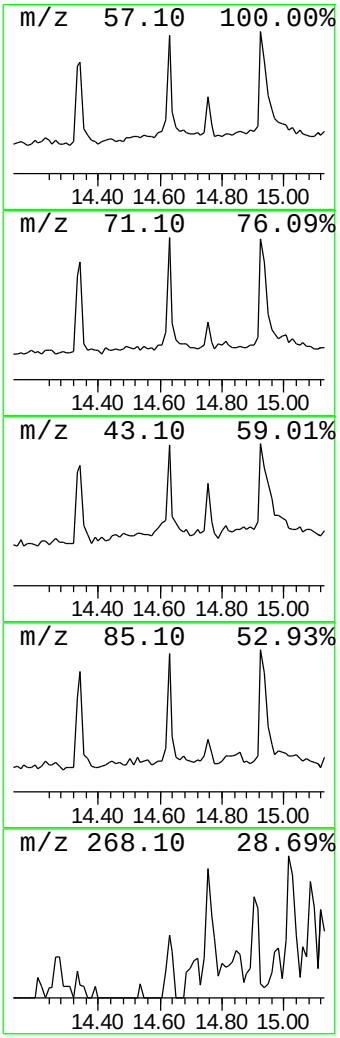
Peak Number 11 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	6.75 ng	128687	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	89
2	Heptadecane	240	C17H36	000629-78-7	64
3	Heptacosane	380	C27H56	000593-49-7	58
4	Pentacosane	352	C25H52	000629-99-2	52
5	Triacontane	422	C30H62	000638-68-6	52





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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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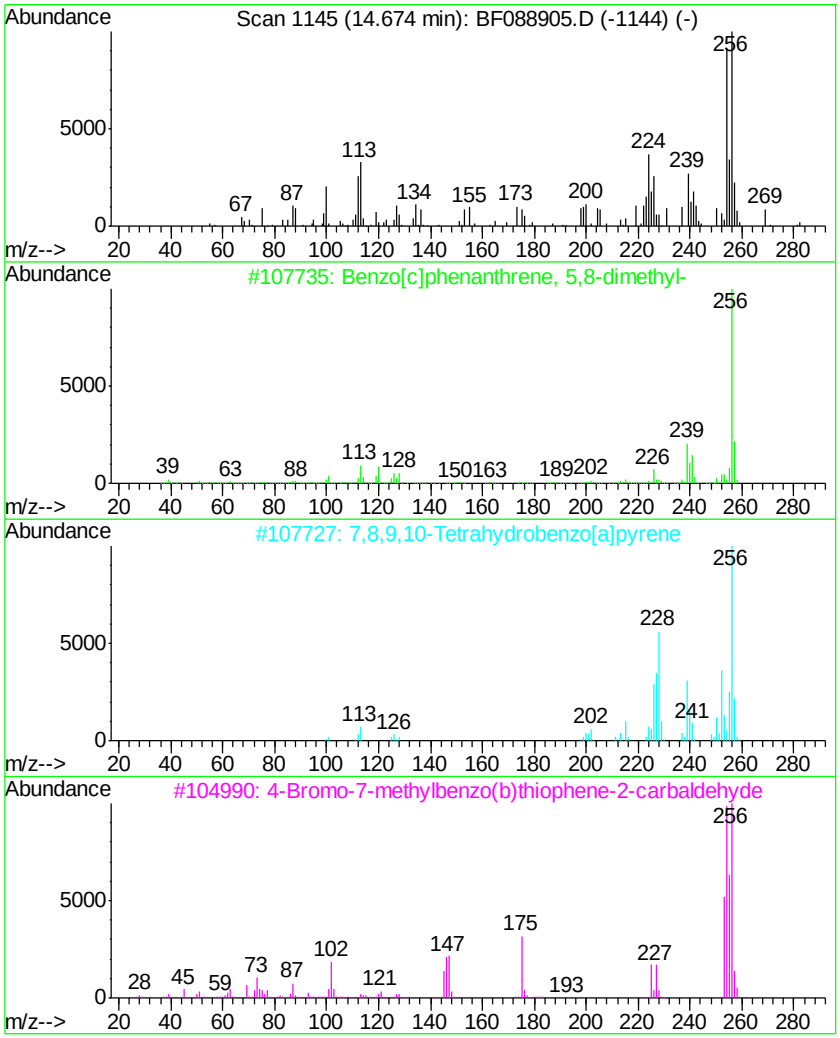
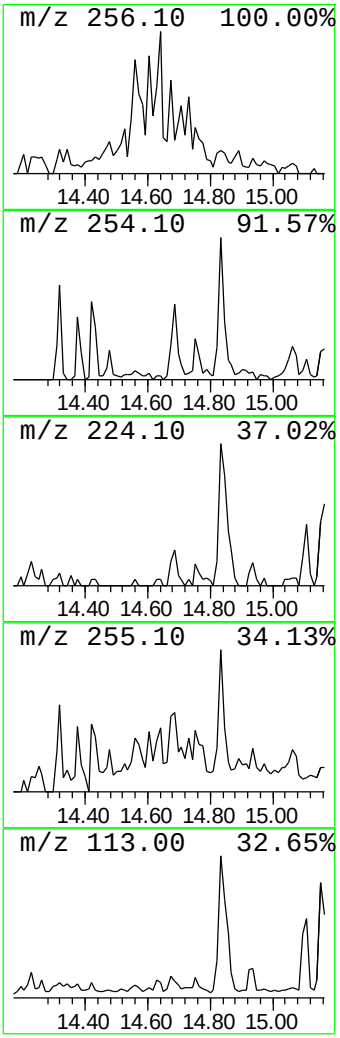
Peak Number 12 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	4.60 ng	87646	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	50
2	7,8,9,10-Tetrahydrobenzo[a]pyrene	256	C20H16	017750-93-5	49
3	4-Bromo-7-methylbenzo(b)thiophen...	254	C10H7BrOS	1000244-50-9	47
4	9,10,11,12-Tetrahydrobenzo[e]pyrene	256	C20H16	067099-81-4	46
5	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	46





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Acq On : 11 Jul 2016 17:58
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Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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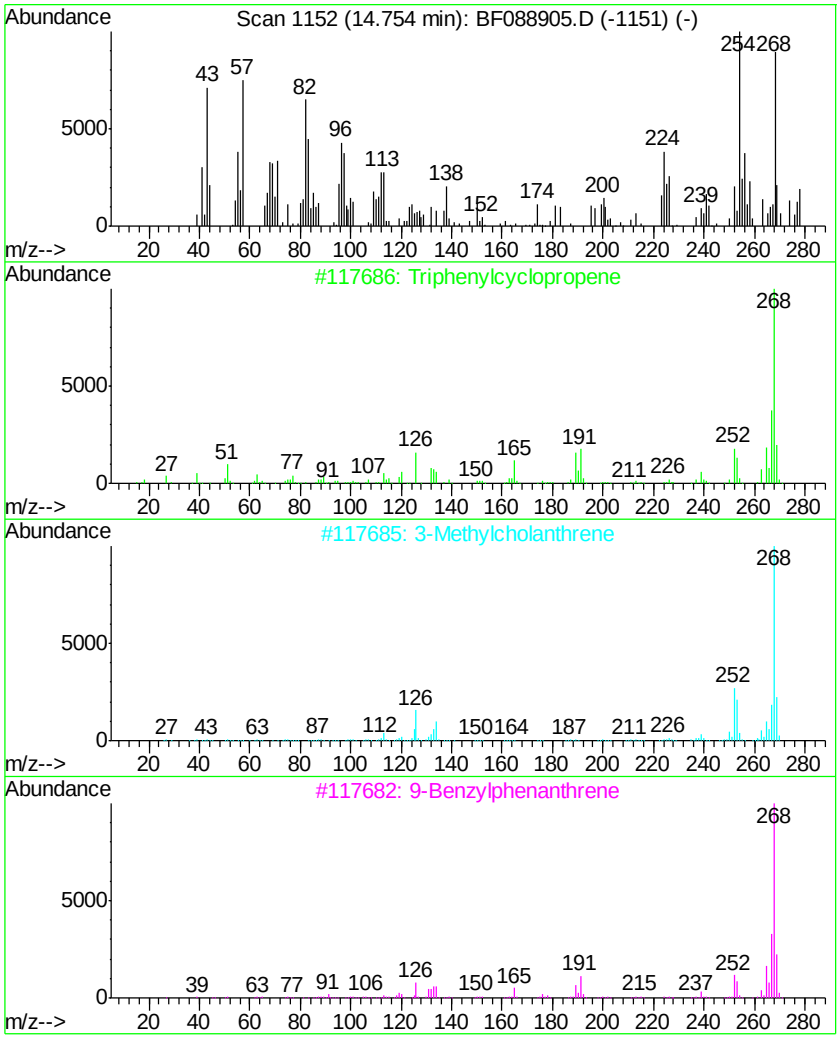
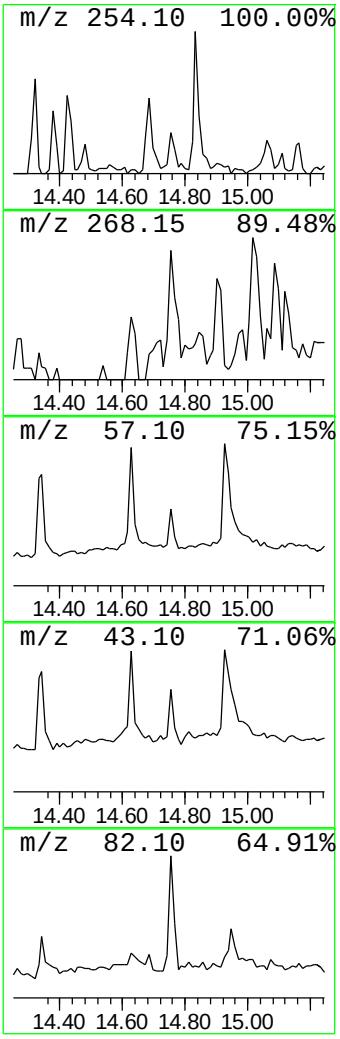
Peak Number 13 unknown14.75 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	3.51 ng	66920	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylcyclopropene	268	C21H16	016510-49-9	30
2	3-Methylcholanthrene	268	C21H16	000056-49-5	22
3	9-Benzylphenanthrene	268	C21H16	000605-05-0	22
4	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	22
5	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	22





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Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId : P7-B2-0-5-C

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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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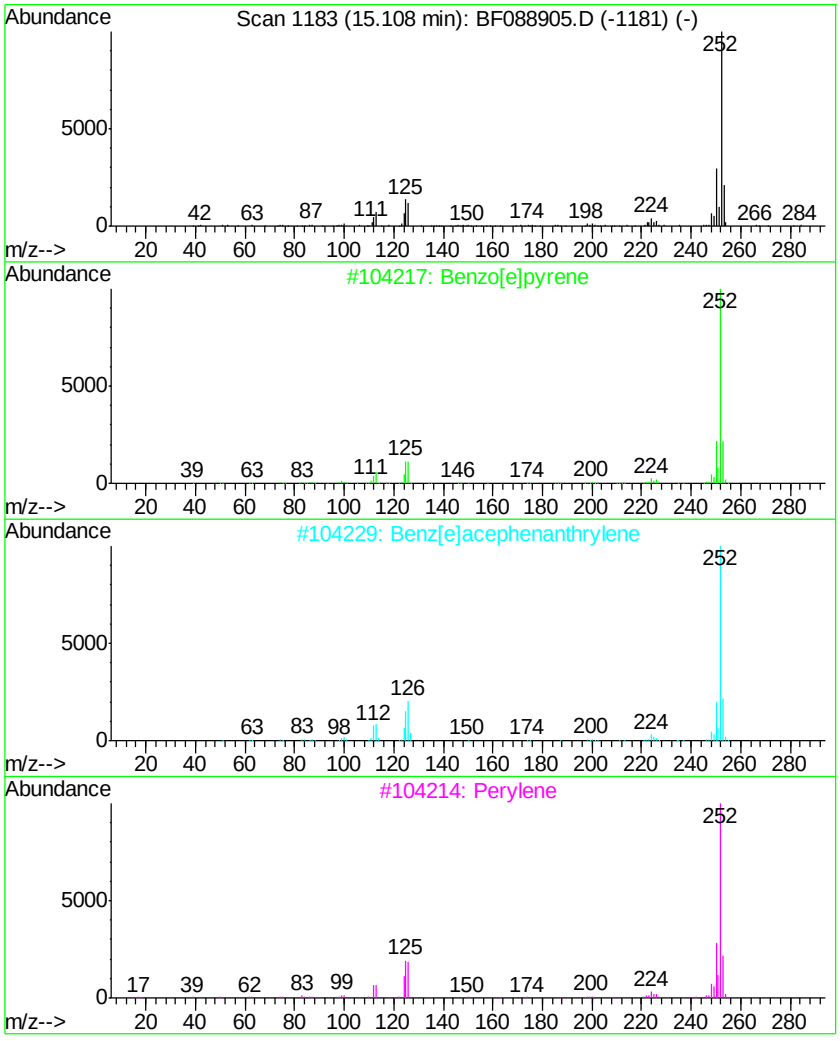
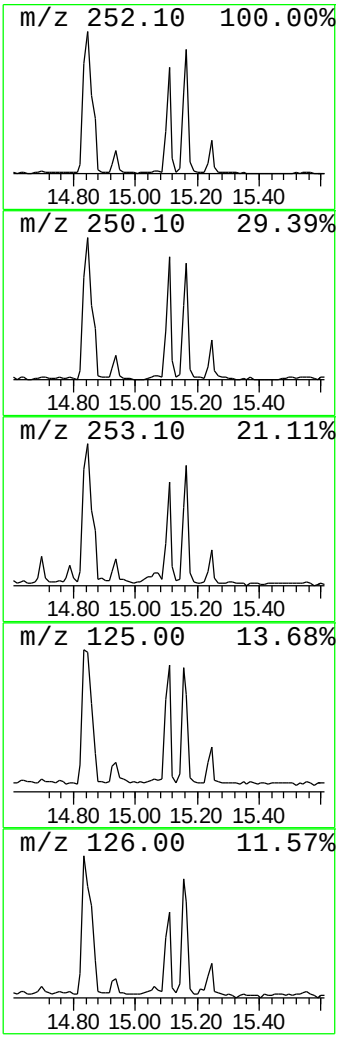
Peak Number 15 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	11.75 ng	224100	Perylene-d12	15.22

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	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





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Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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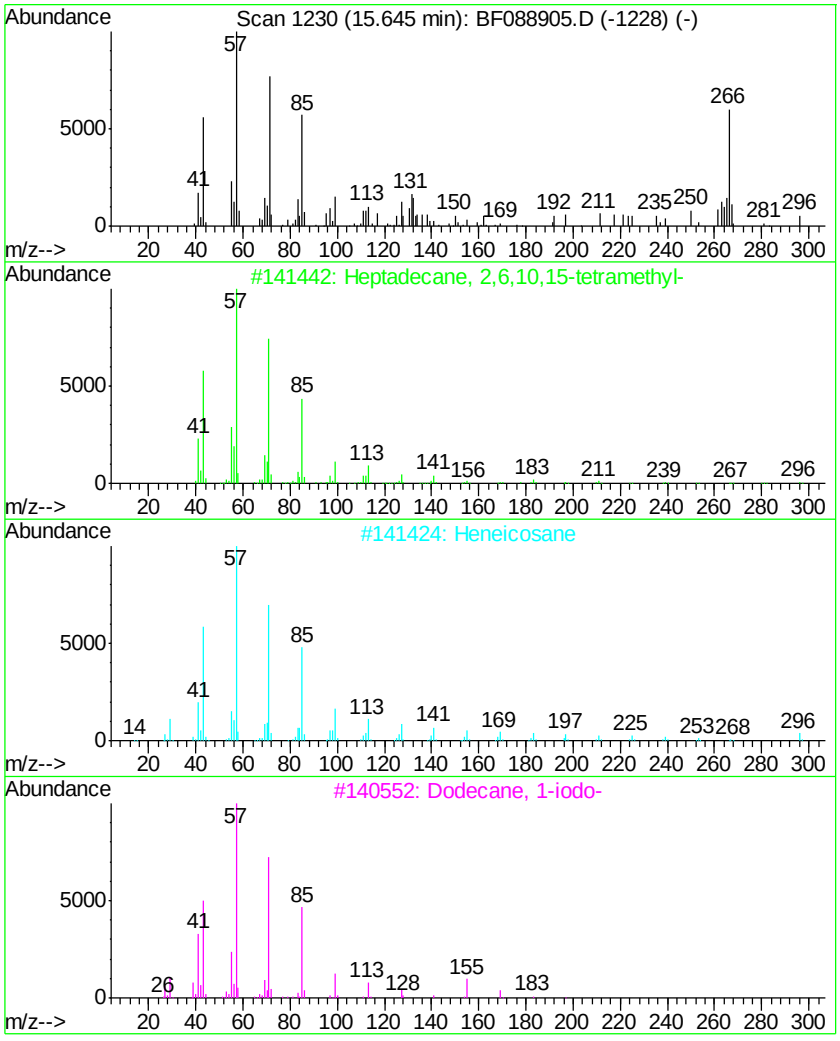
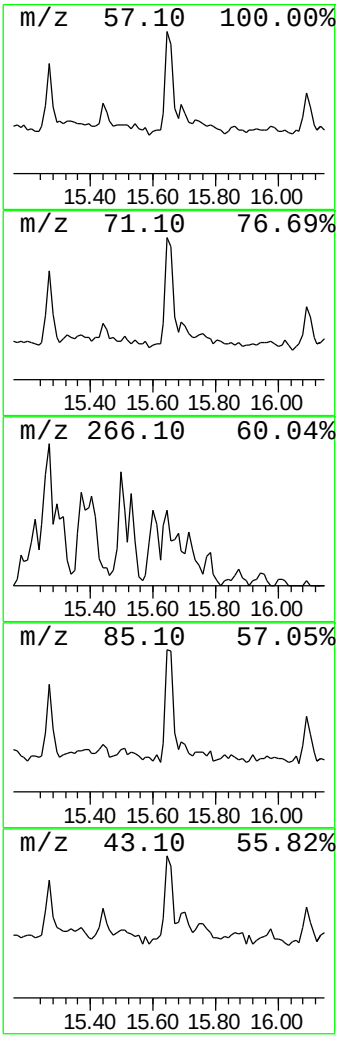
Peak Number 16 Heptadecane, 2,6,10,15-tetr... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	3.91 ng	74491	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	70
2	Heneicosane	296	C21H44	000629-94-7	70
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	46
4	Hexacosane	366	C26H54	000630-01-3	46
5	Sulfurous acid, 2-ethylhexyl pen...	404	C23H48O3S	1000309-19-8	38





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Misc :
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Instrument : BNA_F
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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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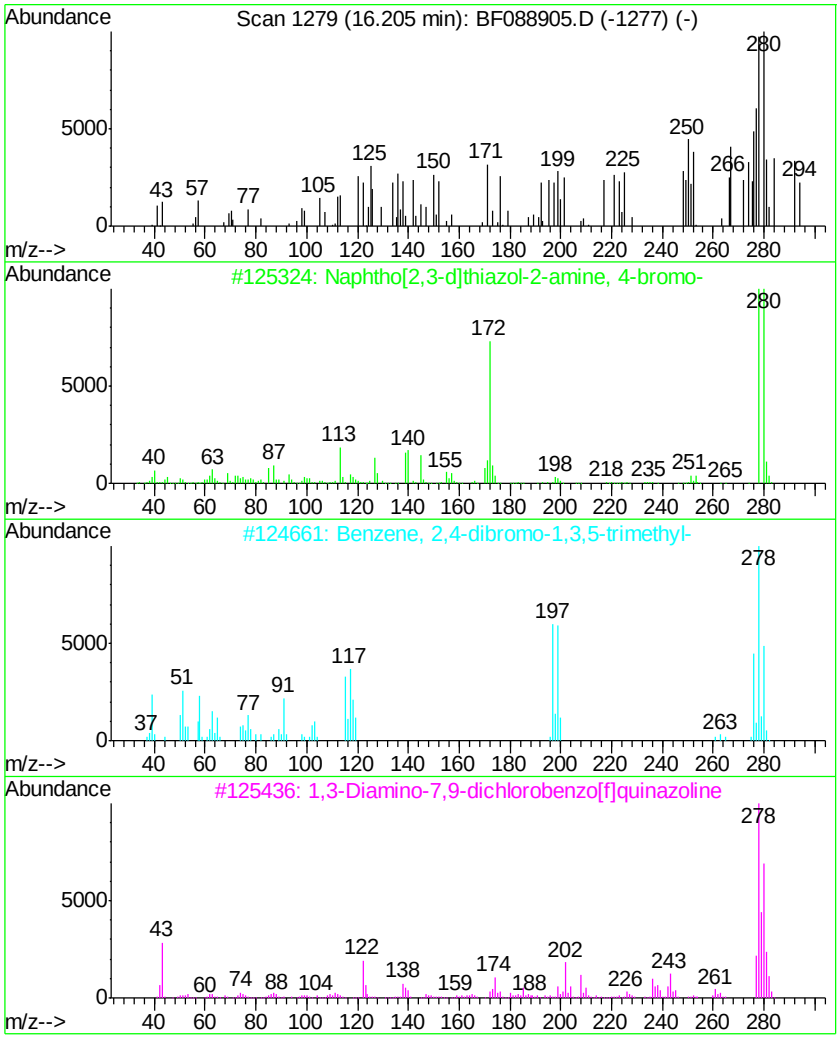
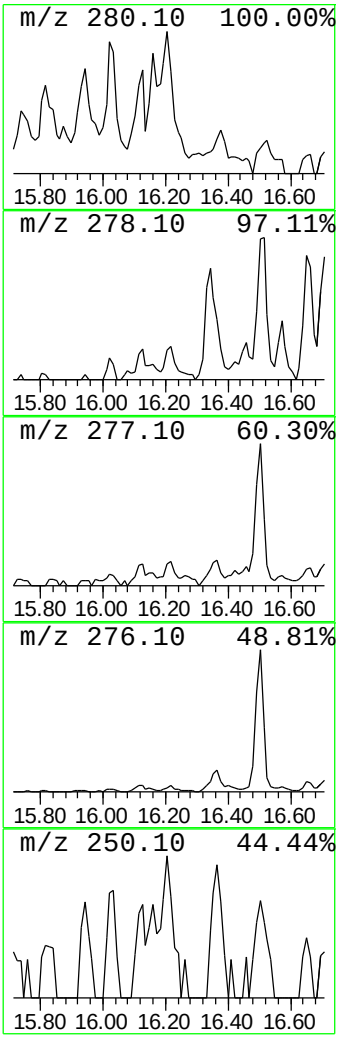
Peak Number 17 unknown16.21 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	5.95 ng	113425	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-d]thiazol-2-amine, 4...	278	C11H7BrN2S	1000270-99-8	38
2	Benzene, 2,4-dibromo-1,3,5-trime...	276	C9H10Br2	006942-99-0	38
3	1,3-Diamino-7,9-dichlorobenzo[f]...	278	C12H8Cl2N4	037521-58-7	27
4	4-Bromophenoxathiin	278	C12H7BrOS	105906-37-4	25
5	6-Benzo(a)pyrenecarboxaldehyde	280	C21H12O	013312-42-0	20





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Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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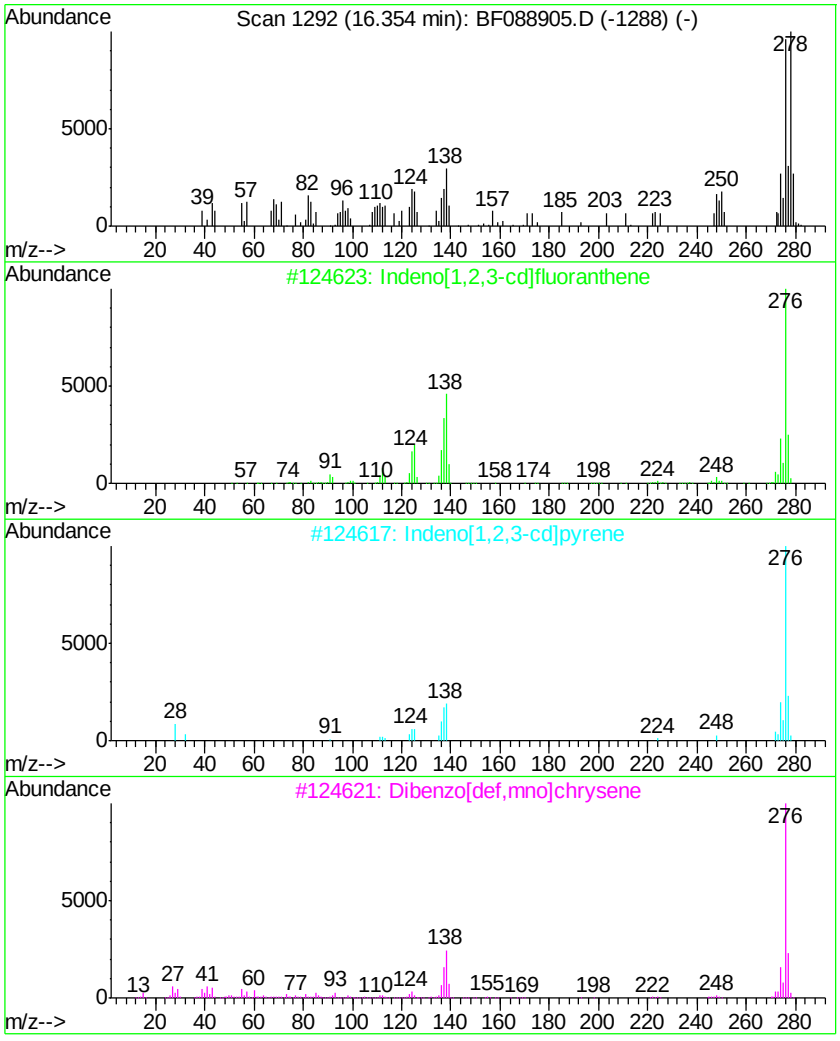
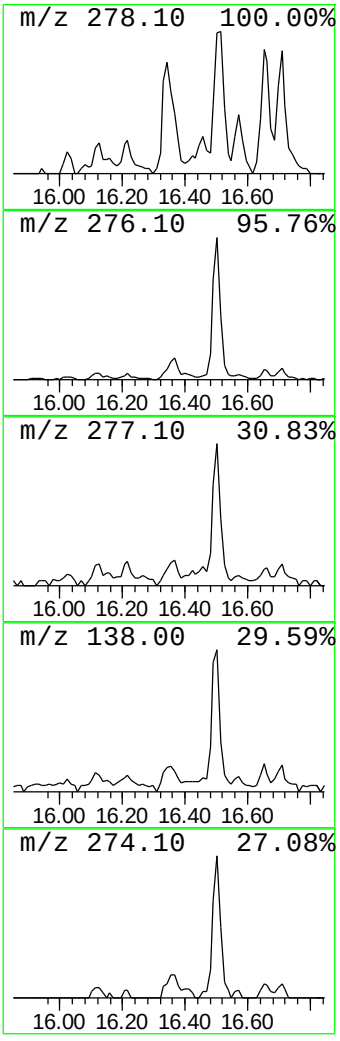
Peak Number 18 Indeno[1,2,3-cd]fluoranthene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	6.50 ng	124032	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	84
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	62
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	46
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	41
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	38





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Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P7-B2-0-5-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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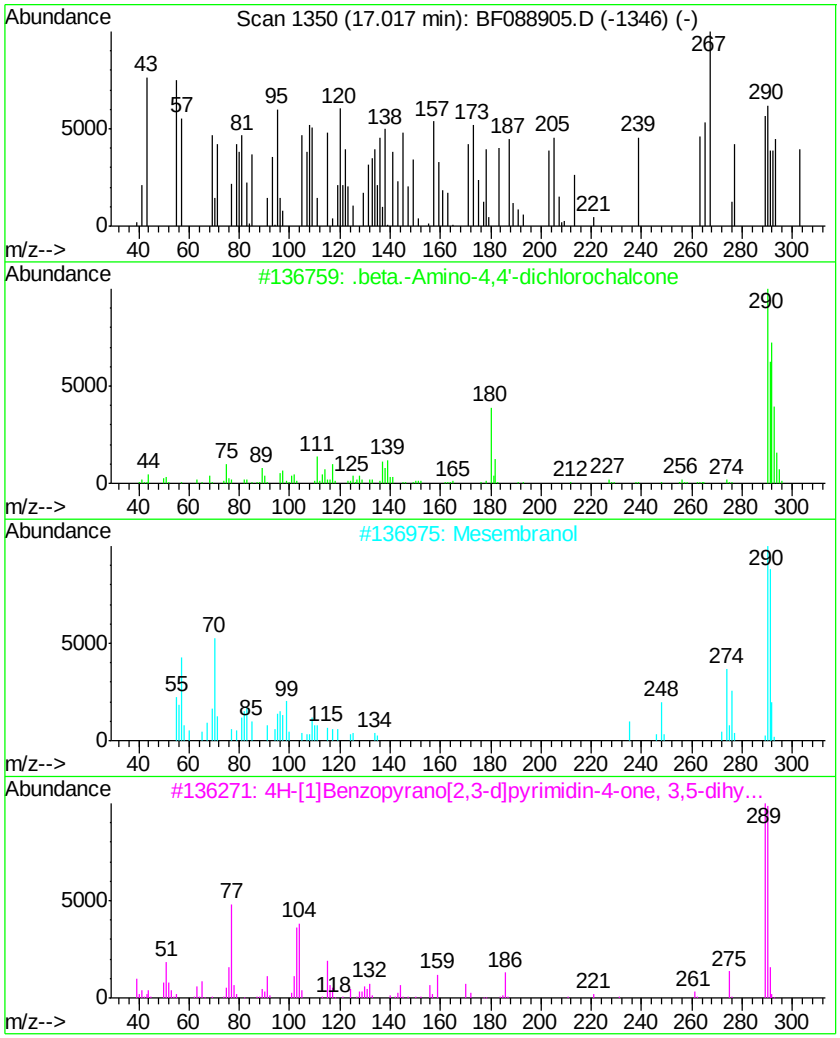
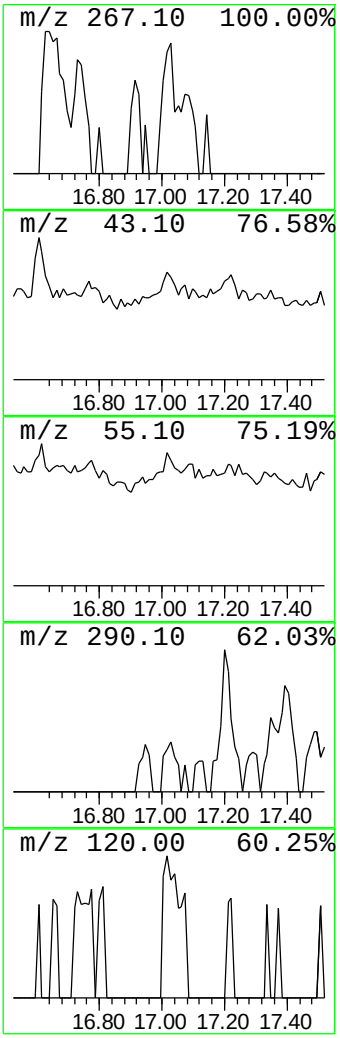
Peak Number 19 unknown17.02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	3.73 ng	71080	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Amino-4,4'-dichlorochalcone	291	C15H11Cl2NO	143253-14-9	10
2	Mesembranol	291	C17H25NO3	023544-42-5	10
3	4H-[1]Benzopyrano[2,3-d]pyrimidi...	290	C18H14N2O2	1000318-89-4	9
4	1-Methyl-2,3-dibromo-indole	287	C9H7Br2N	128746-62-3	9
5	2-(1-Ethyl-1H-benzoimidazol-2-yl...	291	C18H14FN3	1000295-12-3	9





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ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId : P7-B2-0-5-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
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TIC Integration Parameters: LSCINT.P

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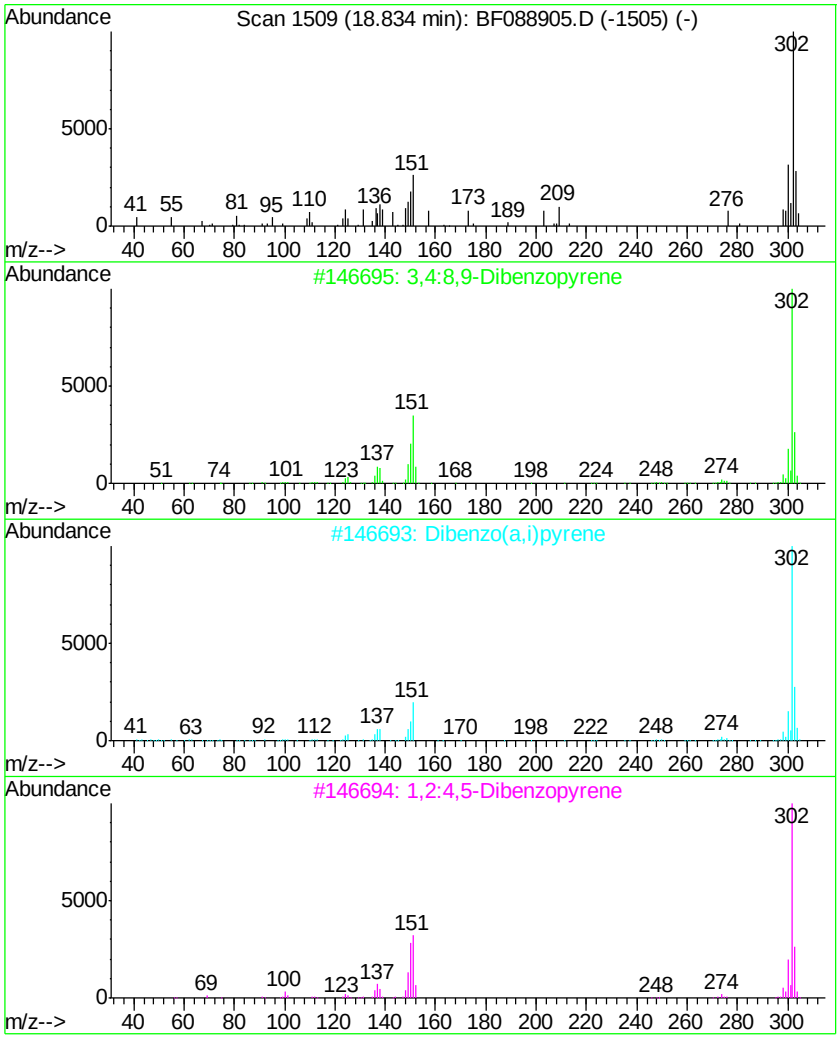
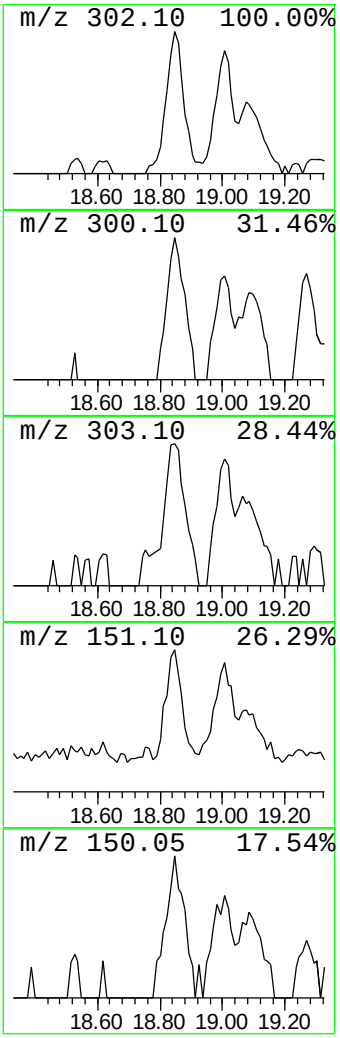
Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	4.67 ng	88971	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	81
2	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	81
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	64
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	64
5	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	58





Tentatively Identified Compound (LSC) summary

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Data File : BF088905.D
Acq On : 11 Jul 2016 17:58
Operator : UM/SJ
Sample : H3915-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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
3-Penten-2-one	1.75	3.4	ng	65148	1	6.71	383998	20.0
Furan, tetrahydro...	1.92	12.6	ng	241833	1	6.71	383998	20.0
2-Pentanone, 4-hy...	4.87	7.6	ng	145180	1	6.71	383998	20.0
unknown6.48	6.48	75.5	ng	1449020	1	6.71	383998	20.0
1H-Cyclopropa[l]p...	11.83	6.1	ng	200232	4	11.22	660746	20.0
Pyrene, 1-methyl-	12.96	3.4	ng	201789	5	13.85	1186530	20.0
11H-Benzo[a]fluor...	13.69	3.5	ng	208763	5	13.85	1186530	20.0
Nonadecane	14.63	6.8	ng	128687	6	15.22	381416	20.0
Benzo[c]phenanthr...	14.67	4.6	ng	87646	6	15.22	381416	20.0
unknown14.75	14.75	3.5	ng	66920	6	15.22	381416	20.0
Benzo[e]pyrene	15.11	11.8	ng	224100	6	15.22	381416	20.0
Heptadecane, 2,6,...	15.65	3.9	ng	74491	6	15.22	381416	20.0
unknown16.21	16.21	6.0	ng	113425	6	15.22	381416	20.0
Indeno[1,2,3-cd]f...	16.35	6.5	ng	124032	6	15.22	381416	20.0
unknown17.02	17.02	3.7	ng	71080	6	15.22	381416	20.0
3,4:8,9-Dibenzopy...	18.83	4.7	ng	88971	6	15.22	381416	20.0