LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088333.D
Acq On : 24 Jun 2016 15:58
Operator : UM/SJ
Sample : H3622-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(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	9	11	37	rVB	408247	859452	38.12%	2.783%
2	4.719	272	274	286	rBV	77361	151880	6.74%	0.492%
3	5.176	312	314	331	rBV	1377277	1852032	82.13%	5.998%
4	5.382	331	332	345	rVB8	6957	26886	1.19%	0.087%
5	6.250	406	408	415	rBV	1264699	1810857	80.31%	5.865%
6	6.353	415	417	436	rVB	1524609	2020429	89.60%	6.543%
7	6.582	436	437	449	rVB2	324377	426806	18.93%	1.382%
8	6.742	449	451	453	rBV	1280660	1566555	69.47%	5.073%
9	7.165	485	488	490	rBV	894458	1268484	56.25%	4.108%
10	7.873	548	550	562	rBV	517876	616513	27.34%	1.997%
11	8.948	641	644	647	rBV	2056834	2254884	100.00%	7.303%
12	9.348	677	679	683	rBV	297086	307362	13.63%	0.995%
13	9.485	689	691	696	rVB	52035	72515	3.22%	0.235%
14	9.611	700	702	705	rBV	527889	681143	30.21%	2.206%
15	10.056	740	741	745	rVB	29022	33196	1.47%	0.108%
16	10.171	747	751	754	rVB2	10885	26777	1.19%	0.087%
17	10.273	757	760	763	rBV	22760	30579	1.36%	0.099%
18	10.411	769	772	780	rBV	1115741	1507042	66.83%	4.881%
19	10.536	780	783	786	rVB3	45070	77191	3.42%	0.250%
20	10.719	796	799	804	rBV4	10363	32871	1.46%	0.106%
21	10.856	807	811	814	rVB3	16620	32383	1.44%	0.105%
22	10.971	818	821	823	rBV2	29730	43430	1.93%	0.141%
23	11.096	830	832	836	rBV2	626874	903009	40.05%	2.924%
24	11.176	836	839	840	rVV2	49425	68089	3.02%	0.221%
25	11.348	851	854	857	rBV3	39285	78656	3.49%	0.255%
26	11.394	857	858	865	rVB4	23374	49899	2.21%	0.162%
27	11.588	874	875	877	rBV	49907	78320	3.47%	0.254%
28	11.622	877	878	880	rVV	97690	89931	3.99%	0.291%
29	11.668	880	882	883	rVV	38095	38595	1.71%	0.125%
30	11.702	883	885	890	rVB	150807	244237	10.83%	0.791%
31	11.828	890	896	898	rBV4	23482	57254	2.54%	0.185%
32	11.885	898	901	903	rBV	59257	85268	3.78%	0.276%
33	11.931	903	905	907	rVB2	34768	40116	1.78%	0.130%
34	12.034	911	914	916	rBV2	39717	58600	2.60%	0.190%

LSC Area Percent Report

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Sample : H3622-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(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 >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.068	916	917	918	rVV	57456	44472	1.97%	0.144%
36	12.137	921	923	925	rBV	170637	203567	9.03%	0.659%
37	12.171	925	926	930	rVV2	76216	166565	7.39%	0.539%
38	12.228	930	931	935	rVB2	98700	141038	6.25%	0.457%
39	12.297	935	937	940	rBV	931220	1027549	45.57%	3.328%
40	12.365	940	943	945	rVB4	32365	67845	3.01%	0.220%
41	12.445	948	950	954	rBV4	49598	77750	3.45%	0.252%
42	12.525	954	957	961	rBV	1009135	1230697	54.58%	3.986%
43	12.582	961	962	964	rVB	97763	102768	4.56%	0.333%
44	12.674	964	970	973	rBV	1675232	2239881	99.33%	7.254%
45	12.742	973	976	980	rVB2	127043	213392	9.46%	0.691%
46	12.857	980	986	988	rVB2	180392	382206	16.95%	1.238%
47	12.925	988	992	993	rBV2	82578	139577	6.19%	0.452%
48	12.959	993	995	999	rVV	214961	261391	11.59%	0.847%
49	13.051	1001	1003	1004	rVV	131005	118787	5.27%	0.385%
50	13.085	1004	1006	1008	rVV2	86063	124595	5.53%	0.404%
51	13.154	1010	1012	1015	rVB4	23594	51267	2.27%	0.166%
52	13.257	1015	1021	1027	rBV7	62204	258294	11.45%	0.837%
53	13.371	1027	1031	1034	rVB	141895	198846	8.82%	0.644%
54	13.417	1034	1035	1037	rBV2	30472	37808	1.68%	0.122%
55	13.474	1037	1040	1043	rBV2	127887	278380	12.35%	0.902%
56	13.520	1043	1044	1048	rVV3	75198	121563	5.39%	0.394%
57	13.577	1048	1049	1053	rVB2	123113	189989	8.43%	0.615%
58	13.645	1053	1055	1058	rVB3	16843	32005	1.42%	0.104%
59	13.714	1058	1061	1068	rBV2	739422	1786356	79.22%	5.785%
60	13.805	1068	1069	1073	rVB3	31639	62405	2.77%	0.202%
61	13.885	1073	1076	1079	rBV3	55829	109282	4.85%	0.354%
62	13.931	1079	1080	1082	rBV2	17293	24997	1.11%	0.081%
63	14.102	1091	1095	1097	rBV	118669	254211	11.27%	0.823%
64	14.137	1097	1098	1100	rVV	71592	99350	4.41%	0.322%
65	14.182	1100	1102	1105	rVV4	49302	125899	5.58%	0.408%
66	14.228	1105	1106	1110	rVB2	79034	110034	4.88%	0.356%
67	14.297	1110	1112	1115	rVB3	36581	63155	2.80%	0.205%
68	14.354	1115	1117	1119	rVB	17783	23623	1.05%	0.077%
69	14.434	1119	1124	1127	rBV2	61149	128365	5.69%	0.416%
70	14.514	1127	1131	1133	rBV3	40321	86903	3.85%	0.281%
71	14.560	1133	1135	1136	rBV2	25082	47061	2.09%	0.152%

LSC Area Percent Report

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Operator : UM/SJ
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(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

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72	14.582	1136	1137	1139	rVB	64956	50868	2.26%	0.165%
73	14.628	1139	1141	1143	rVB2	24865	28086	1.25%	0.091%
74	14.720	1146	1149	1153	rBV	339786	666917	29.58%	2.160%
75	14.811	1155	1157	1159	rVB	64480	63356	2.81%	0.205%
76	14.891	1162	1164	1166	rBV2	18501	44730	1.98%	0.145%
77	14.971	1169	1171	1174	rBV	202050	234220	10.39%	0.759%
78	15.028	1174	1176	1179	rBV	233753	280381	12.43%	0.908%
79	15.074	1179	1180	1183	rBV	304866	440608	19.54%	1.427%
80	15.234	1192	1194	1195	rBV	17532	23503	1.04%	0.076%
81	15.268	1195	1197	1200	rVB	17365	35387	1.57%	0.115%
82	15.348	1202	1204	1206	rVV2	21341	29015	1.29%	0.094%
83	15.383	1206	1207	1210	rVB	23323	29753	1.32%	0.096%
84	15.451	1211	1213	1216	rBV2	22367	42003	1.86%	0.136%
85	15.565	1221	1223	1227	rVB2	22804	42596	1.89%	0.138%
86	15.805	1242	1244	1248	rBV4	12208	32446	1.44%	0.105%
87	16.068	1265	1267	1271	rVB2	20099	44942	1.99%	0.146%
88	16.171	1273	1276	1277	rVV2	16407	30899	1.37%	0.100%
89	16.251	1281	1283	1287	rBV5	10365	23576	1.05%	0.076%
90	16.331	1287	1290	1294	rBV	97060	183097	8.12%	0.593%
91	16.480	1300	1303	1305	rBV	17616	31156	1.38%	0.101%
92	16.526	1305	1307	1310	rVV2	21430	41420	1.84%	0.134%
93	16.606	1310	1314	1320	rVV7	10787	33143	1.47%	0.107%
94	16.708	1320	1323	1332	rVB	64691	156075	6.92%	0.505%
95	16.937	1340	1343	1347	rVB	16005	37307	1.65%	0.121%
96	17.714	1407	1411	1417	rBV4	6337	26875	1.19%	0.087%
97	18.617	1485	1490	1496	rBV2	14247	58822	2.61%	0.191%
98	18.800	1501	1506	1510	rBV2	12071	43360	1.92%	0.140%

Sum of corrected areas: 30877655

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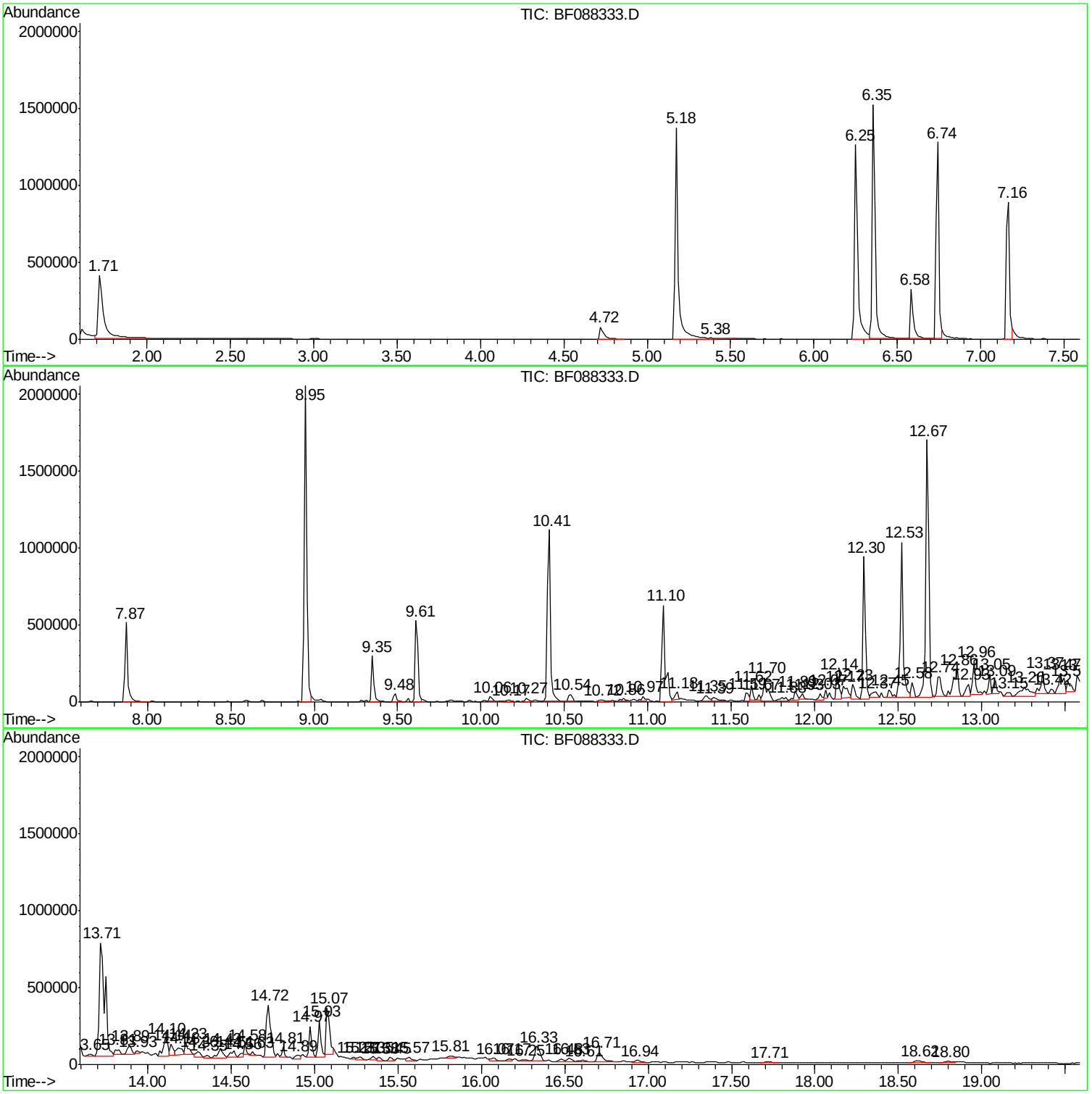
Instrument :
BNA_F
ClientSampleId :
SC-STA-1451(0-4)

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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TIC Library : C:\Database\NIST11.L
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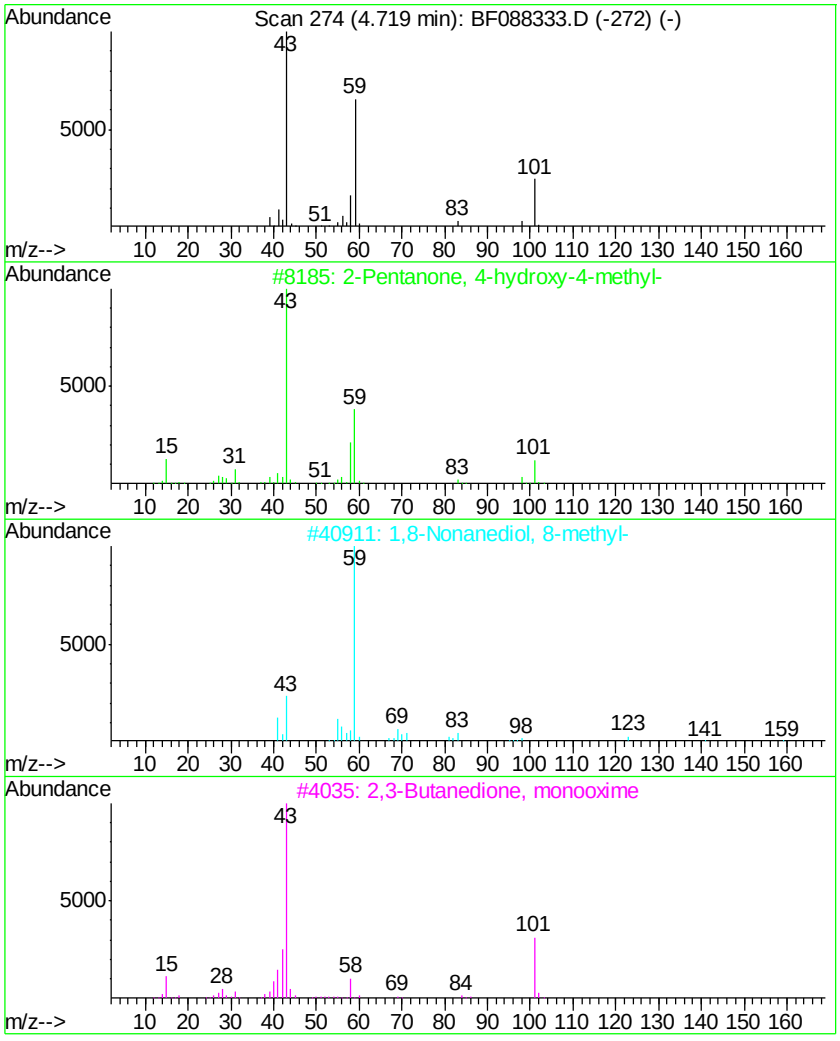
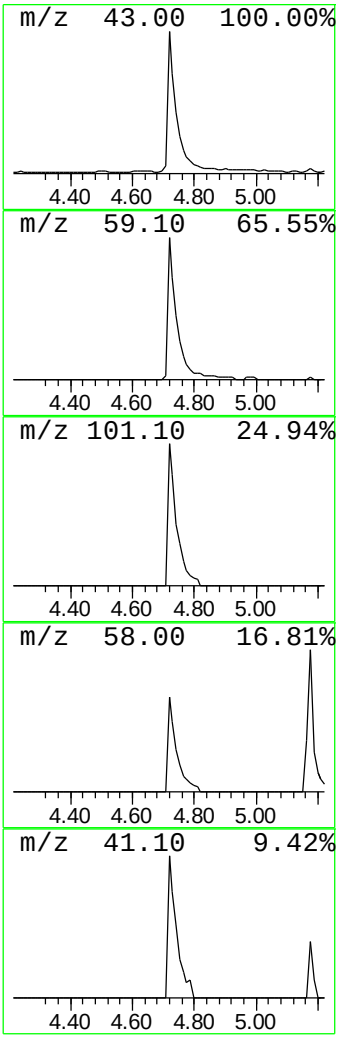
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.72	7.12 ng	151880	1,4-Dichlorobenzene-d4	6.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





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Operator : UM/SJ
Sample : H3622-07
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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(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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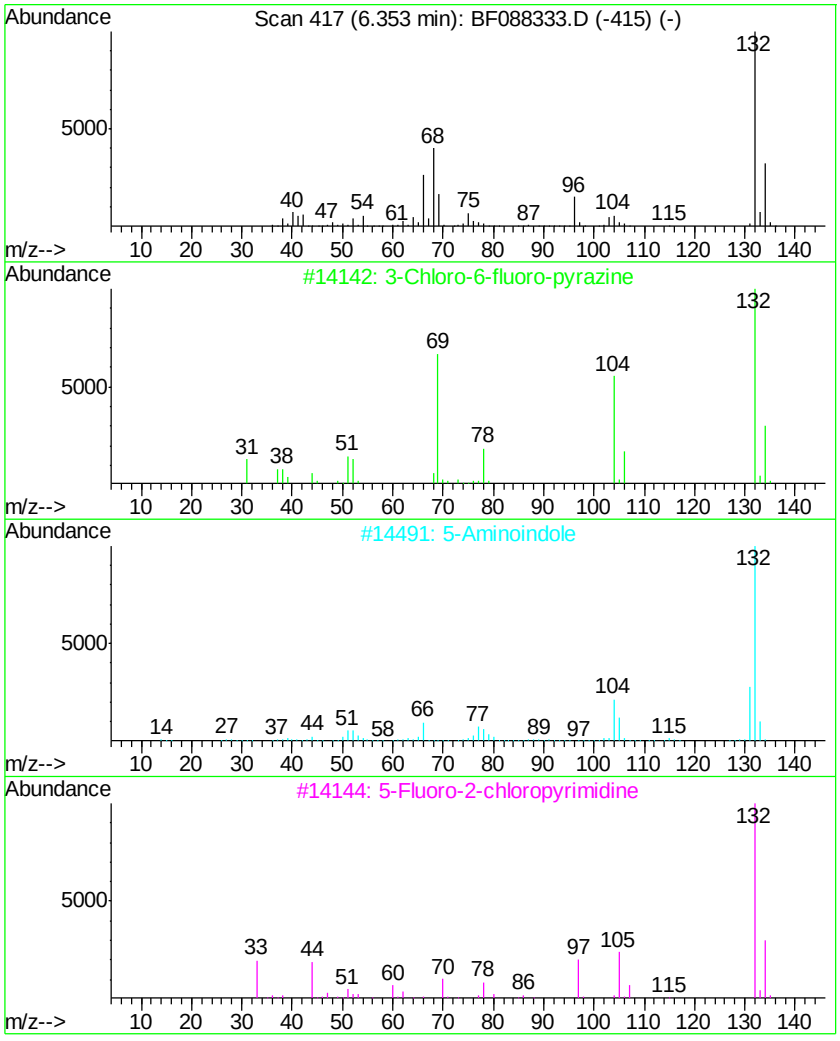
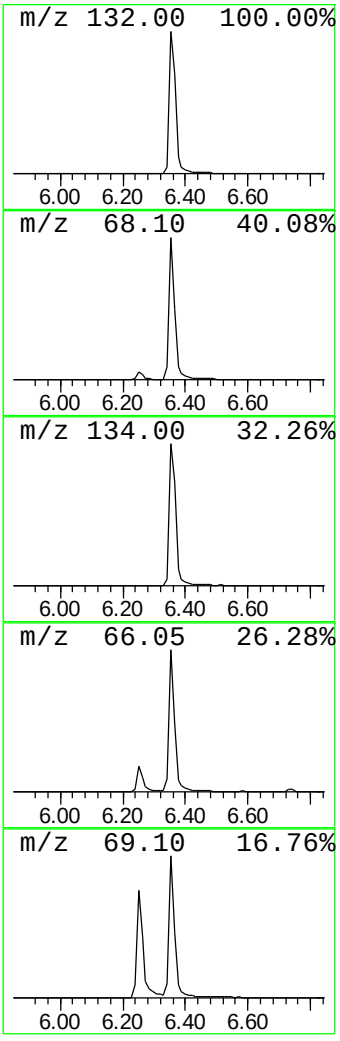
****

Peak Number 3 unknown6.35 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	94.68 ng	2020430	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	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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Instrument : BNA_F
ClientSampleId : SC-STA-1451(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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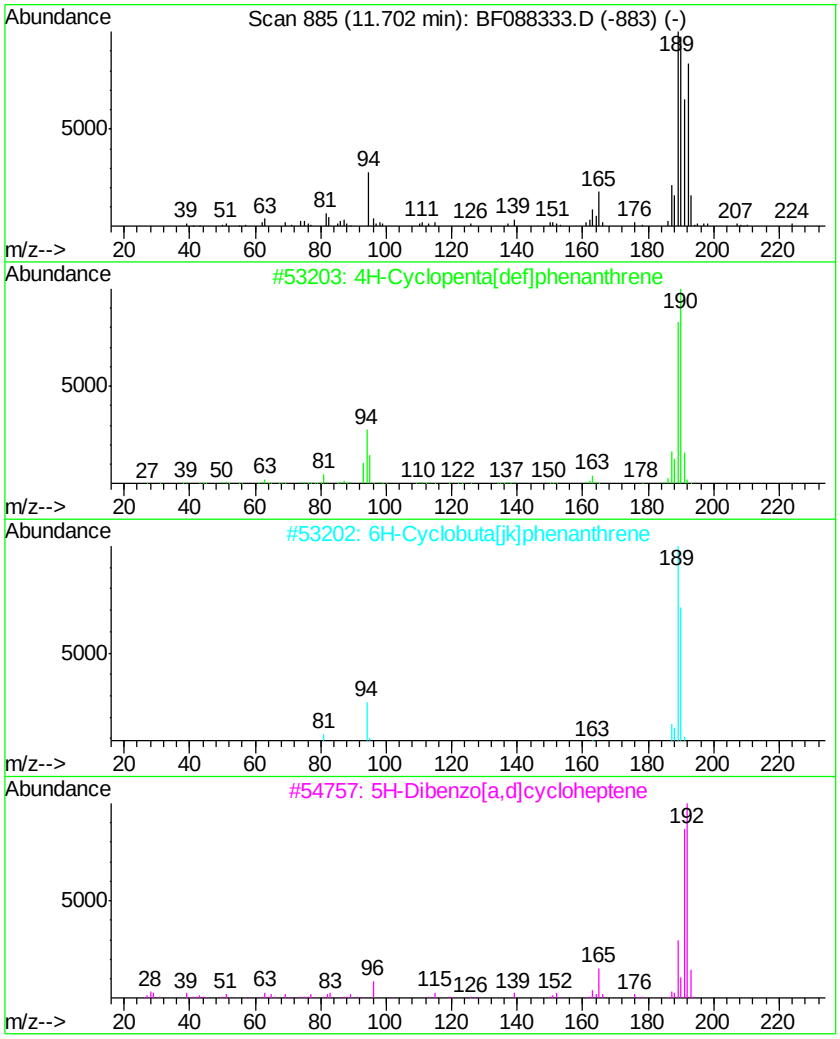
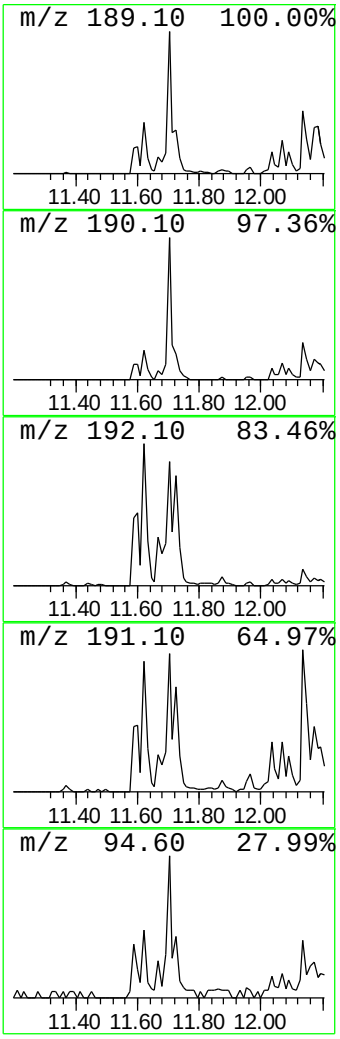
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	5.41 ng	244237	Phenanthrene-d10	11.10

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, 1-methyl-	192	C15H12	000832-69-9	38
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38





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ALS Vial : 4 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
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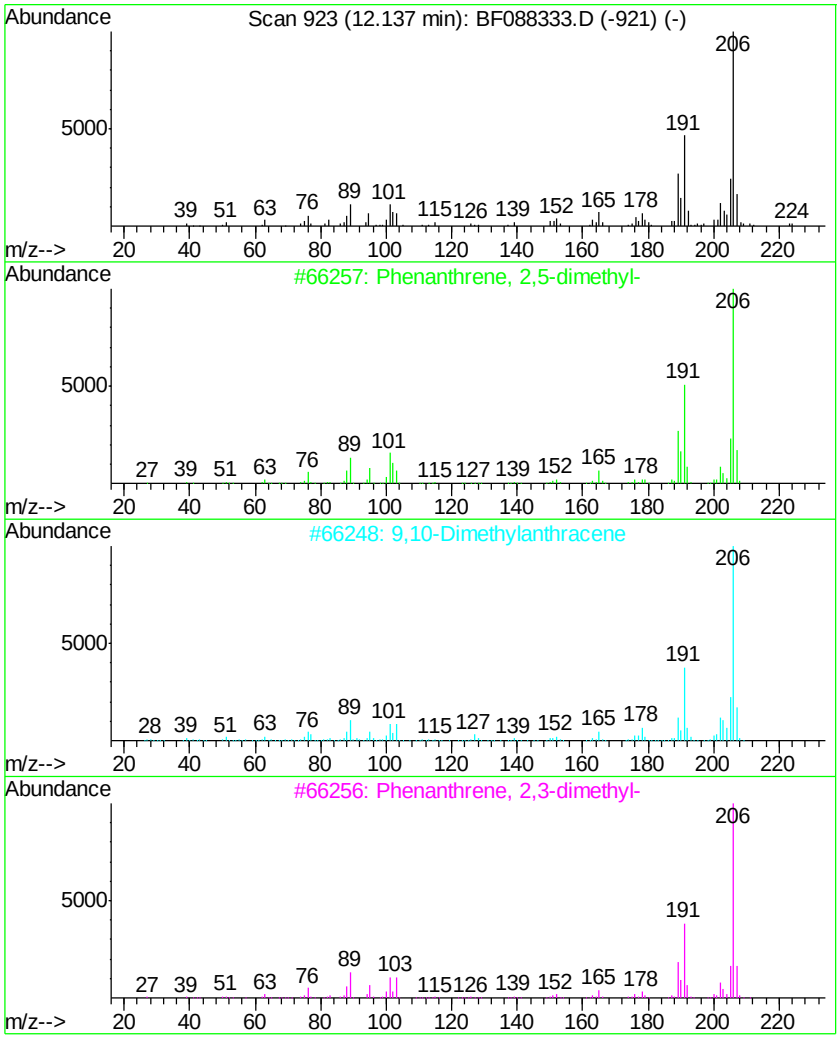
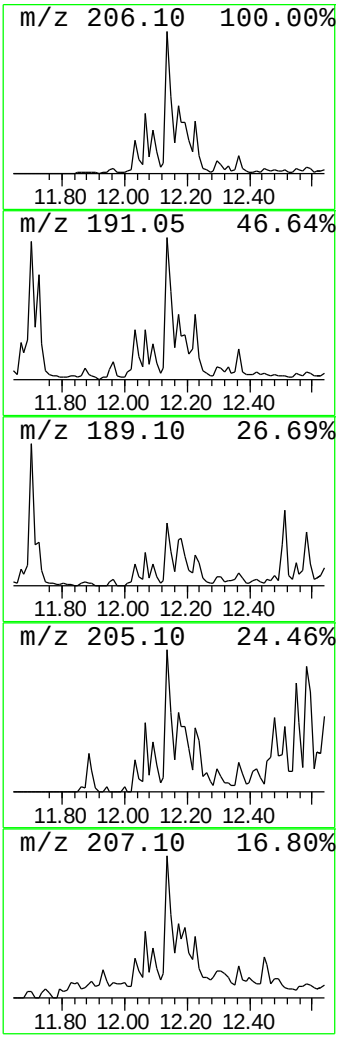
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.51 ng	203567	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	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Data File : BF088333.D
Acq On : 24 Jun 2016 15:58
Operator : UM/SJ
Sample : H3622-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(0-4)

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

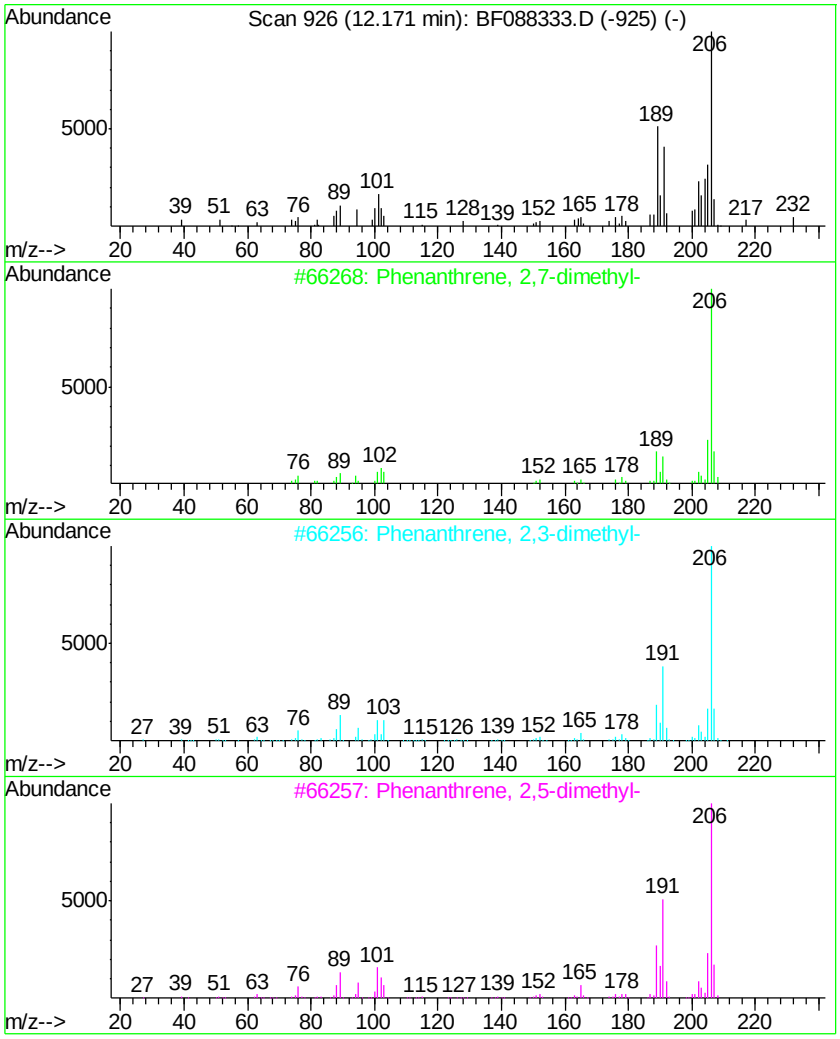
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

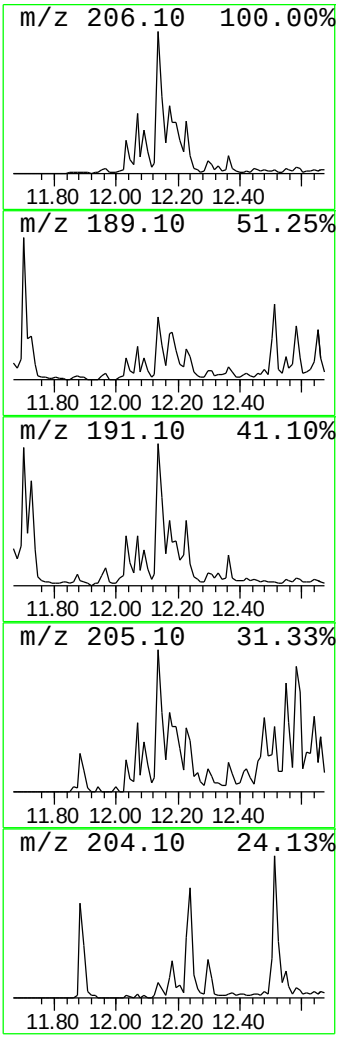
****

Peak Number 7 Phenanthrene, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	3.69 ng	166565	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	59
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	58





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Data File : BF088333.D
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Operator : UM/SJ
Sample : H3622-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(0-4)

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

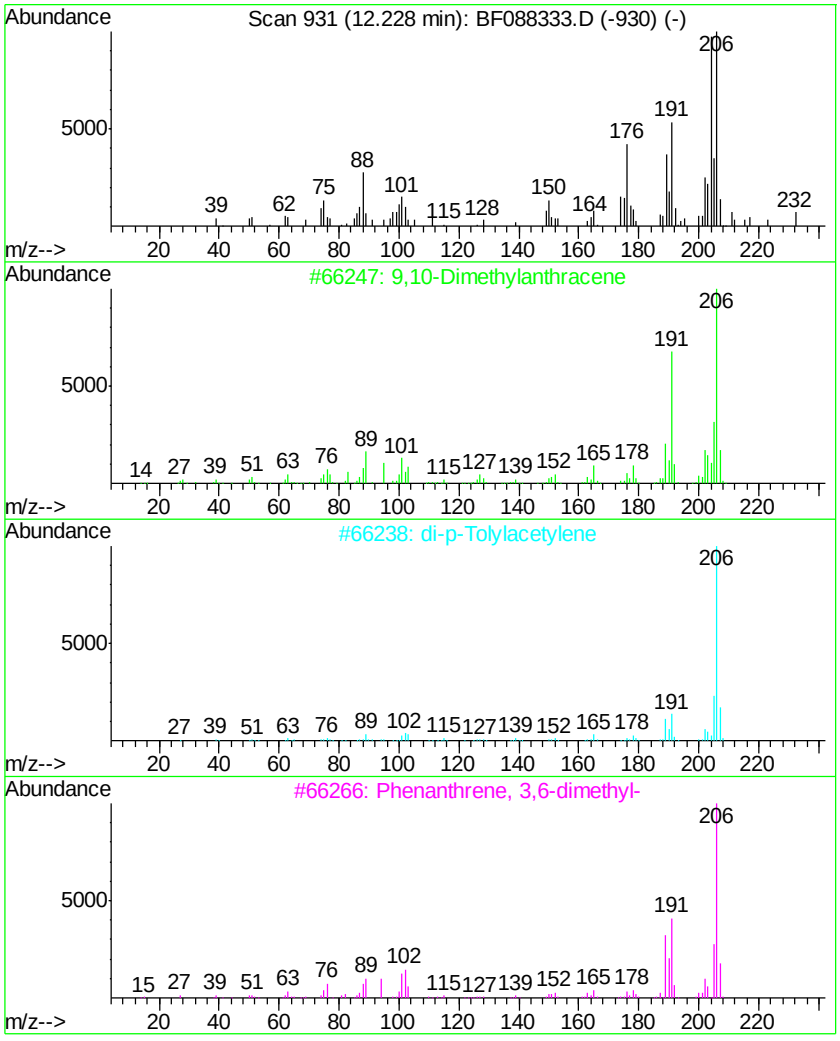
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

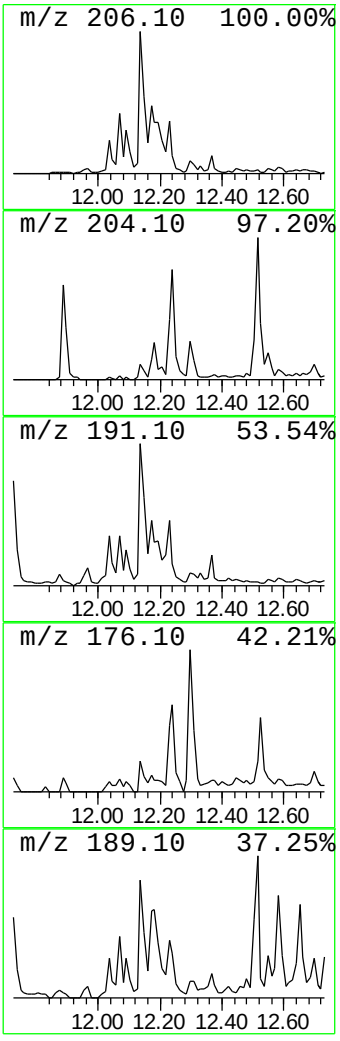
****

Peak Number 8 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	3.12 ng	141038	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	49
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43
5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	42





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Data File : BF088333.D
Acq On : 24 Jun 2016 15:58
Operator : UM/SJ
Sample : H3622-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(0-4)

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

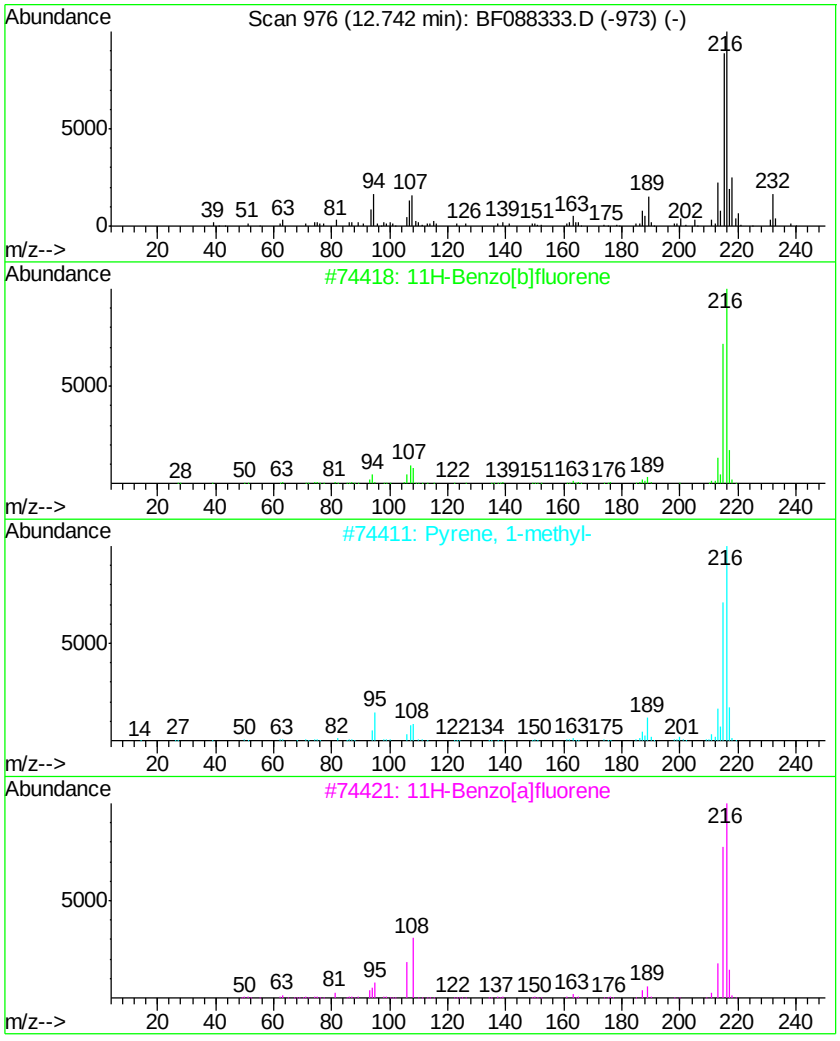
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

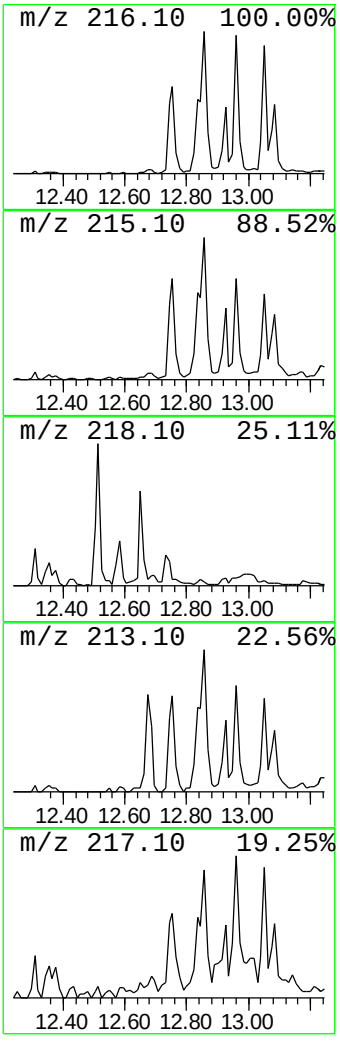
****

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	2.39 ng	213392	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	58





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Acq On : 24 Jun 2016 15:58
Operator : UM/SJ
Sample : H3622-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(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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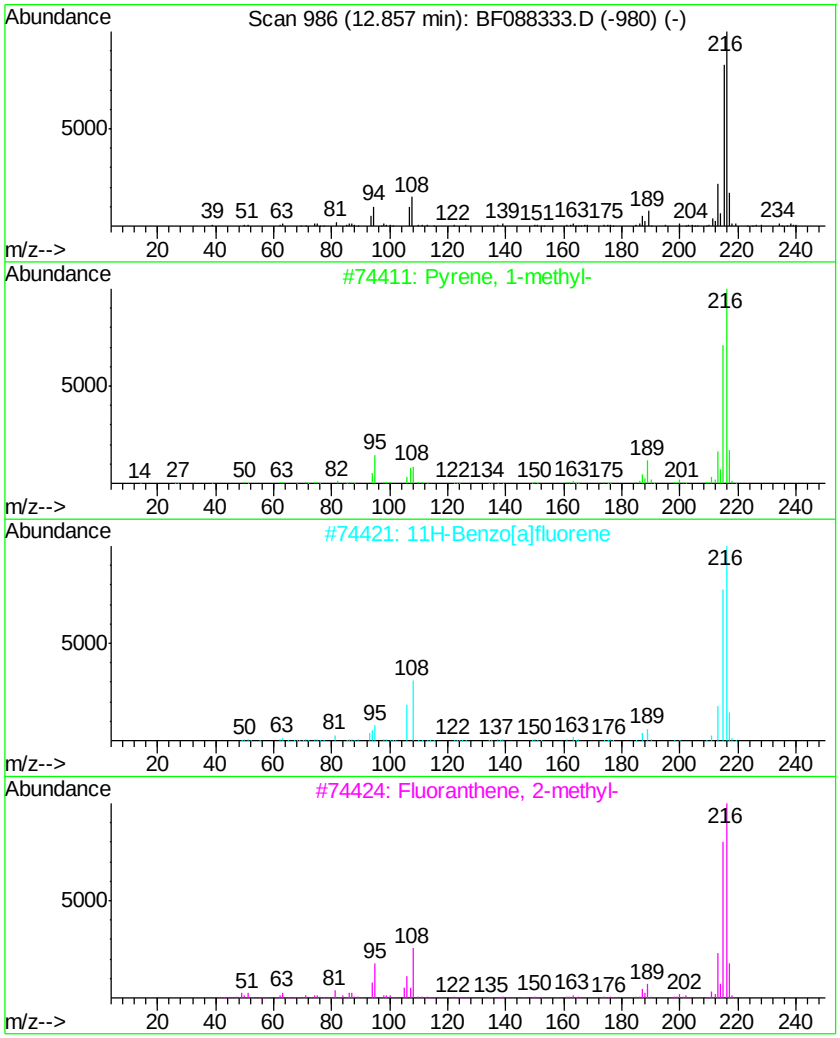
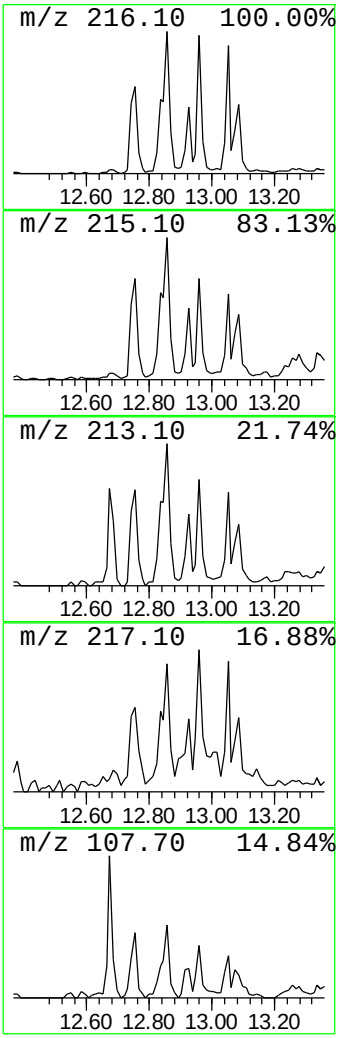
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	4.28 ng	382206	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Acq On : 24 Jun 2016 15:58
Operator : UM/SJ
Sample : H3622-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(0-4)

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

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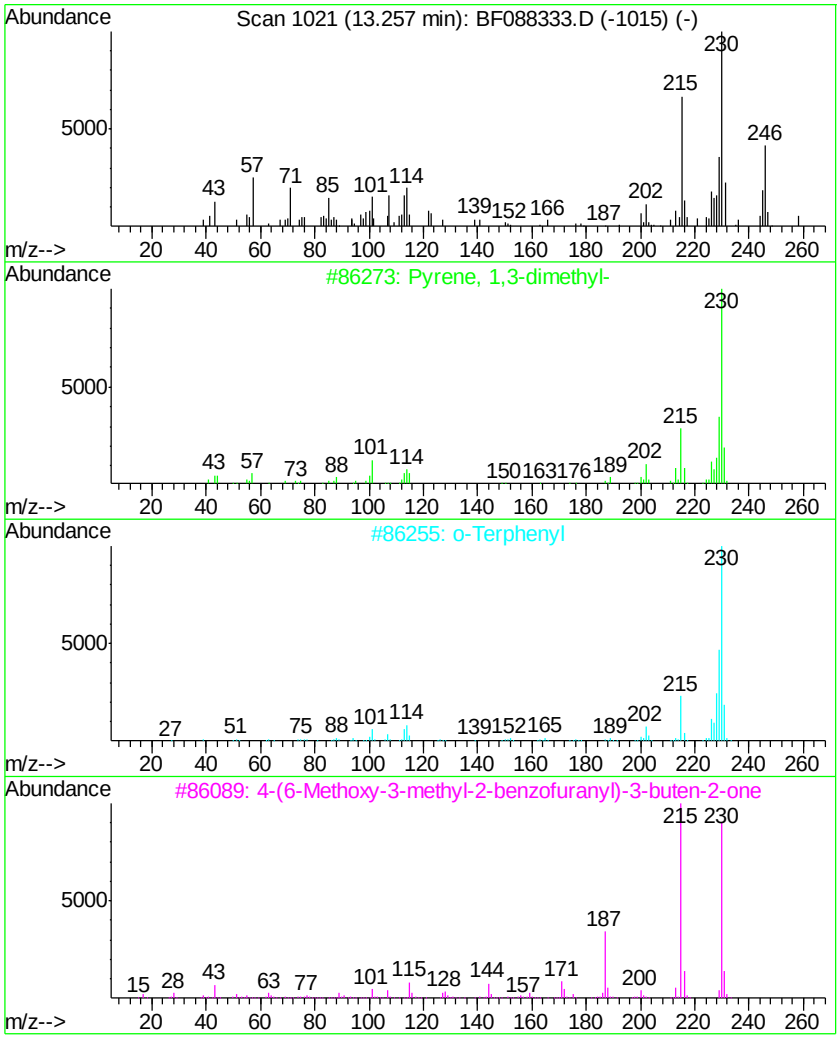
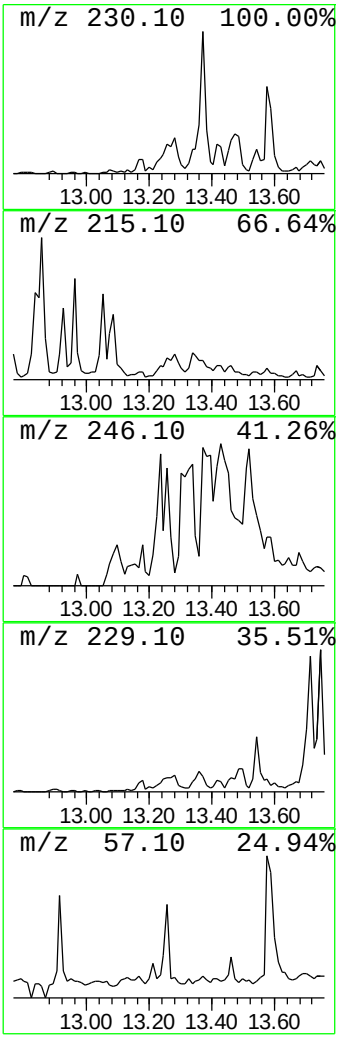
Peak Number 12 Pyrene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.89 ng	258294	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	95
2	o-Terphenyl	230	C18H14	000084-15-1	62
3	4-(6-Methoxy-3-methyl-2-benzofur...	230	C14H14O3	010444-37-8	49
4	1,4-Diaminonaphthalene, N-trimet...	230	C13H18N2Si	1000364-96-4	49
5	Naphthacene, 5,12-dihydro-	230	C18H14	000959-02-4	43





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Operator : UM/SJ
Sample : H3622-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(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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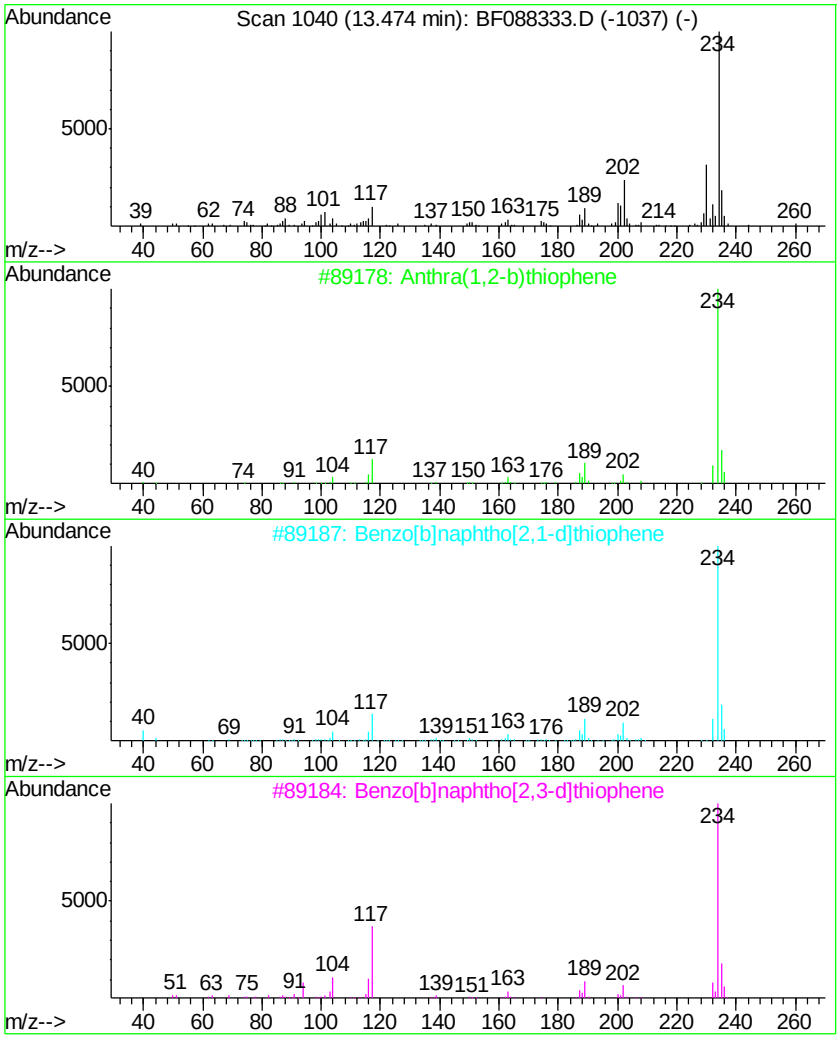
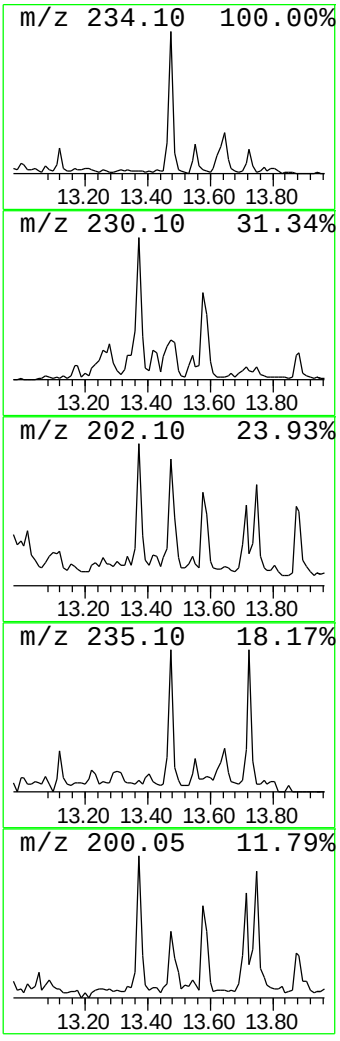
Peak Number 13 Anthra(1,2-b)thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	3.12 ng	278380	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
5	1,3,6,8-Tetramethylanthracene	234	C18H18	017526-53-3	47





Library Search Compound Report

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Data File : BF088333.D
Acq On : 24 Jun 2016 15:58
Operator : UM/SJ
Sample : H3622-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(0-4)

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

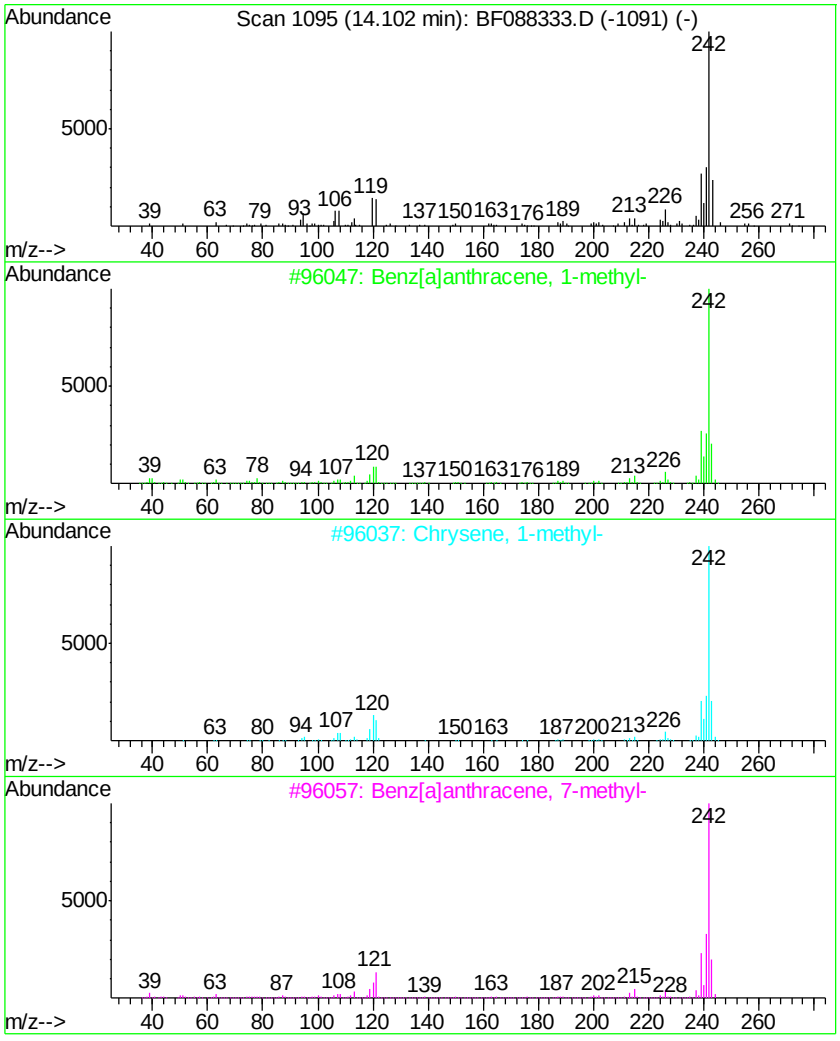
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

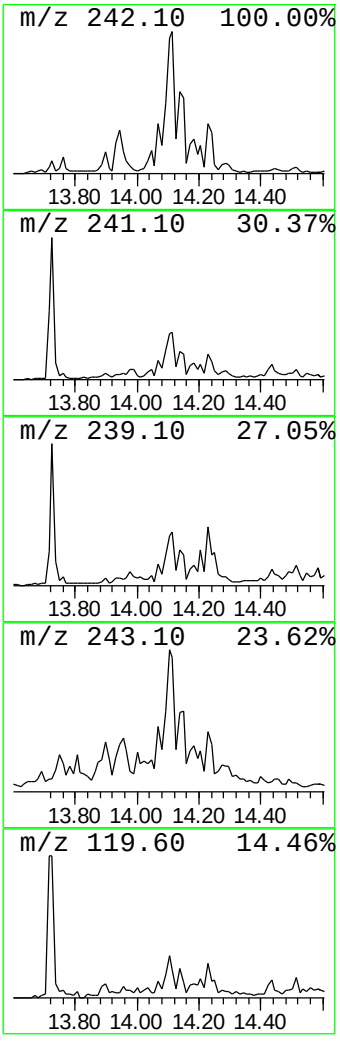
****

Peak Number 14 Benz[a]anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	2.85 ng	254211	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	93
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	92





Library Search Compound Report

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Data File : BF088333.D
Acq On : 24 Jun 2016 15:58
Operator : UM/SJ
Sample : H3622-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(0-4)

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

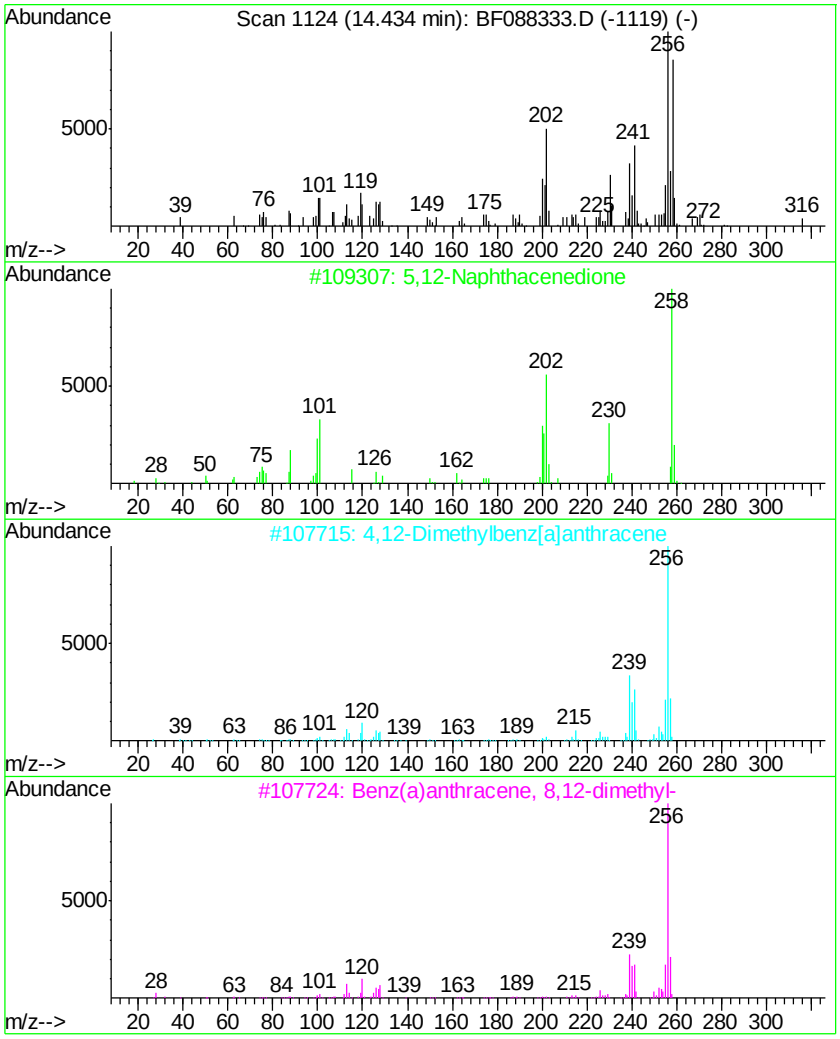
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

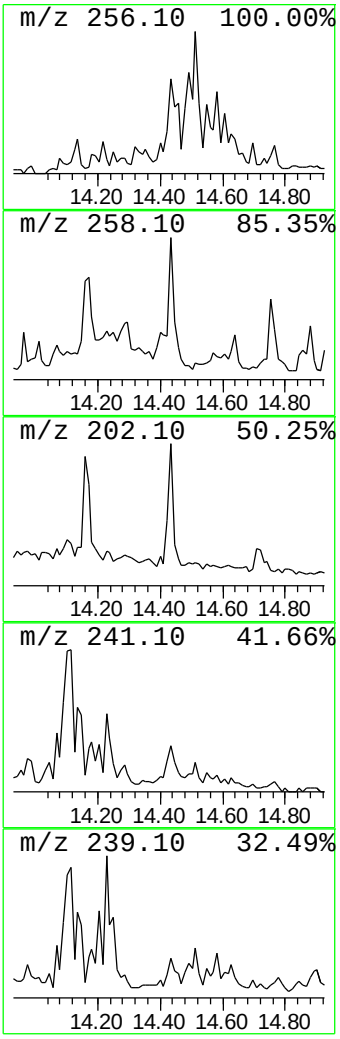
****

Peak Number 15 5,12-Naphthacenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	5.83 ng	128365	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	87
2	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	83
3	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	83
4	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	66
5	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	64





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Sample : H3622-07
Misc :
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Instrument : BNA_F
ClientSampleId : SC-STA-1451(0-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

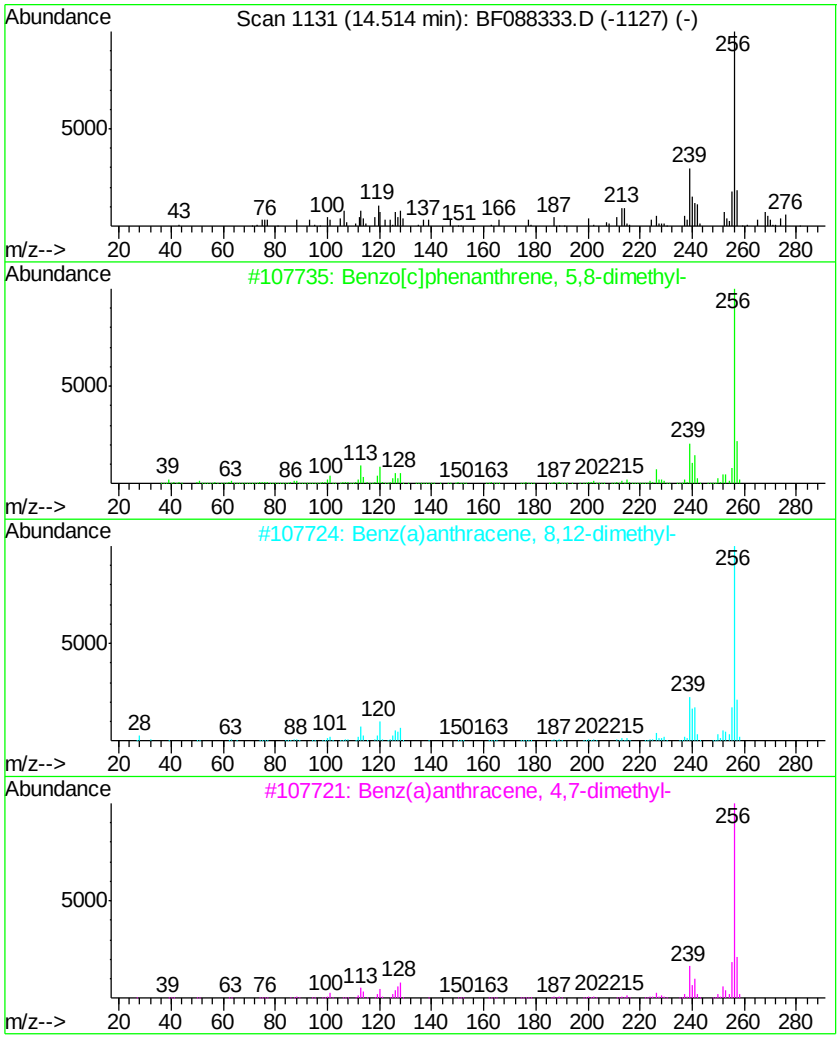
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

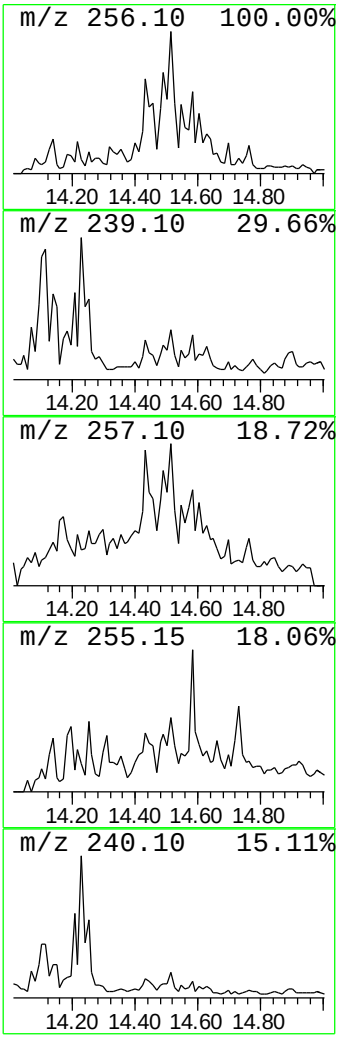
****

Peak Number 16 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	3.94 ng	86903	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	95
2	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	94
3	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	93
4	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	93
5	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	91





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Operator : UM/SJ
Sample : H3622-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(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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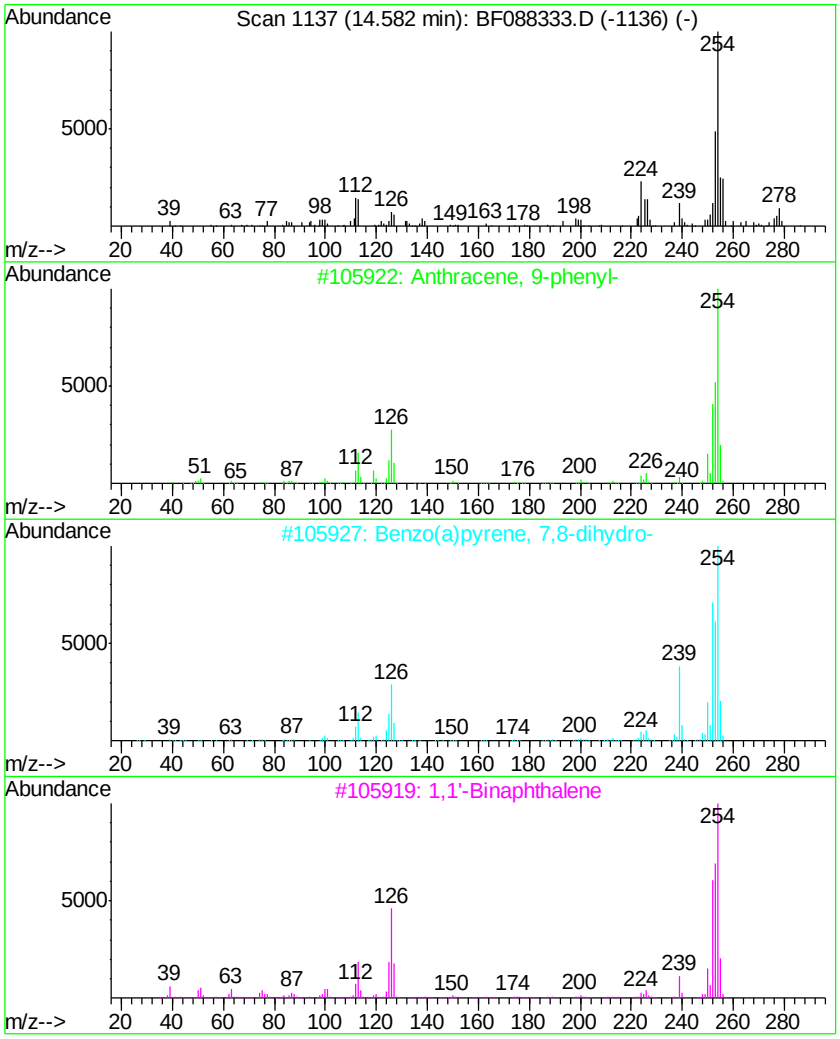
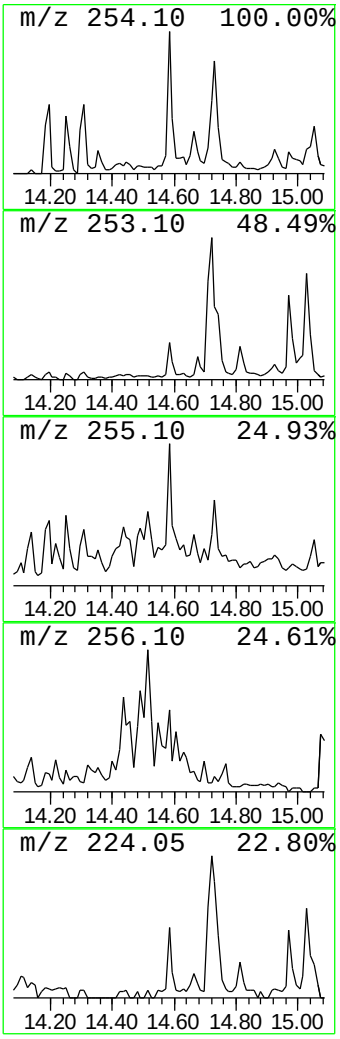
Peak Number 17 Anthracene, 9-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	2.31 ng	50868	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	58
2	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	58
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	49
4	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	43
5	9,10-Ethenoanthracene-11,12-dica...	254	C18H10N2	019067-49-3	43





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1451(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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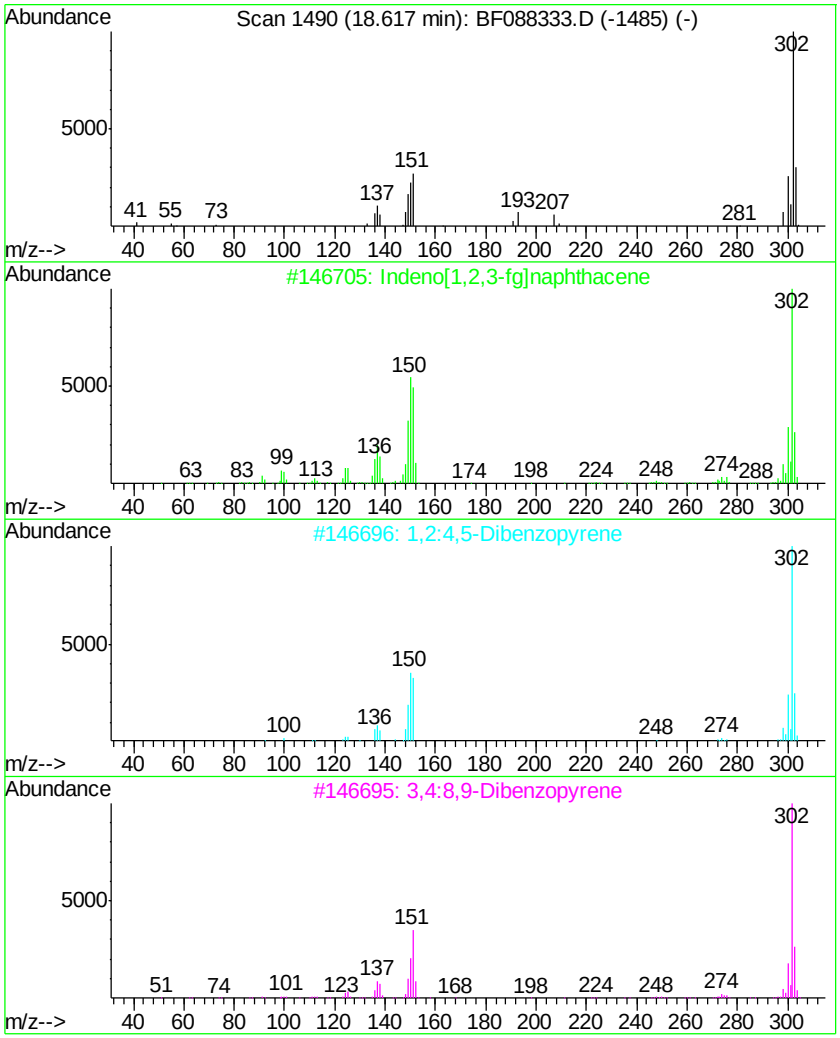
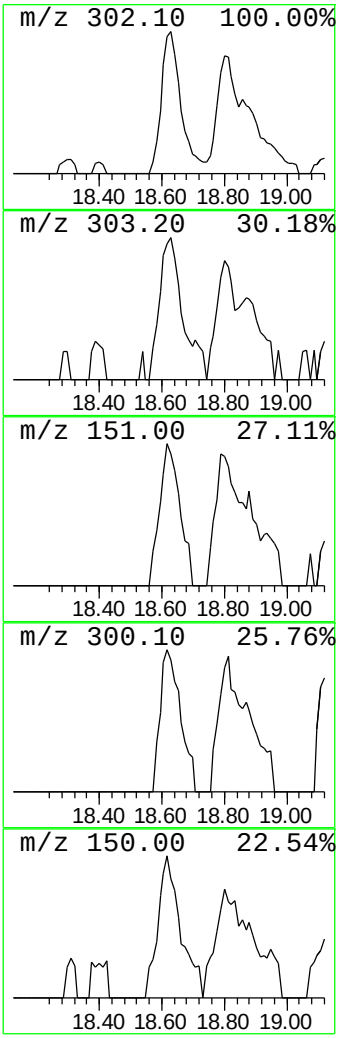
Peak Number 20 Indeno[1,2,3-fg]naphthacene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.67 ng	58822	Perylene-d12	15.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	87
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	87
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	72
4	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	64
5	Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	64





Tentatively Identified Compound (LSC) summary

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Data File : BF088333.D
Acq On : 24 Jun 2016 15:58
Operator : UM/SJ
Sample : H3622-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

					Internal Standard			
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2-Pentanone, 4-hy...	4.72	7.1	ng	151880	1	6.58	426806	20.0
unknown6.35	6.35	94.7	ng	2020430	1	6.58	426806	20.0
4H-Cyclopenta[def...	11.70	5.4	ng	244237	4	11.10	903009	20.0
Phenanthrene, 2,5...	12.14	4.5	ng	203567	4	11.10	903009	20.0
Phenanthrene, 2,7...	12.17	3.7	ng	166565	4	11.10	903009	20.0
9,10-Dimethylanth...	12.23	3.1	ng	141038	4	11.10	903009	20.0
11H-Benzo[b]fluorene	12.74	2.4	ng	213392	5	13.73	1786360	20.0
Pyrene, 1-methyl-	12.86	4.3	ng	382206	5	13.73	1786360	20.0
Pyrene, 1,3-dimet...	13.26	2.9	ng	258294	5	13.73	1786360	20.0
Anthra(1,2-b)thio...	13.47	3.1	ng	278380	5	13.73	1786360	20.0
Benz[a]anthracene...	14.10	2.9	ng	254211	5	13.73	1786360	20.0
5,12-Naphthacened...	14.43	5.8	ng	128365	6	15.07	440608	20.0
Benzo[c]phenanthr...	14.51	3.9	ng	86903	6	15.07	440608	20.0
Anthracene, 9-phe...	14.58	2.3	ng	50868	6	15.07	440608	20.0
Indeno[1,2,3-fg]n...	18.62	2.7	ng	58822	6	15.07	440608	20.0