LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2(0-2)

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-BF061715.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	5.498	208	211	216	rBV	44552	46936	4.14%	0.318%
2	5.899	244	246	248	rBV	160560	213843	18.85%	1.449%
3	6.893	331	333	335	rBV	193559	219749	19.37%	1.489%
4	7.053	345	347	349	rBV	280097	243395	21.45%	1.650%
5	7.281	365	367	370	rVB	198040	203557	17.94%	1.380%
6	7.441	379	381	384	rVB	216920	185632	16.36%	1.258%
7	7.842	413	416	418	rBV	171995	140333	12.37%	0.951%
8	8.573	478	480	485	rBV	300353	289224	25.49%	1.960%
9	9.647	572	574	577	rBV	279865	274081	24.16%	1.858%
10	10.036	606	608	610	rVB	23557	25234	2.22%	0.171%
11	10.345	633	635	637	rBV2	345978	324028	28.56%	2.196%
12	10.379	637	638	640	rVB	84036	64311	5.67%	0.436%
13	10.550	651	653	655	rBV	29764	25469	2.24%	0.173%
14	10.905	682	684	686	rVB	34257	44360	3.91%	0.301%
15	10.985	686	691	693	rBV2	7721	14800	1.30%	0.100%
16	11.053	693	697	699	rVB2	8053	12763	1.12%	0.087%
17	11.145	703	705	707	rBV	145769	169886	14.97%	1.151%
18	11.453	728	732	734	rBV2	7539	12529	1.10%	0.085%
19	11.659	748	750	752	rVB	20777	17430	1.54%	0.118%
20	11.716	752	755	757	rBV3	9775	20898	1.84%	0.142%
21	11.751	757	758	760	rVB	13777	18628	1.64%	0.126%
22	11.865	765	768	769	rBV	408705	392785	34.62%	2.662%
23	11.888	769	770	772	rVB	690195	538014	47.42%	3.647%
24	11.945	772	775	777	rBV	158885	150588	13.27%	1.021%
25	12.093	786	788	790	rBV	52264	52472	4.62%	0.356%
26	12.391	812	814	816	rBV	39051	54260	4.78%	0.368%
27	12.425	816	817	819	rVB	79948	62802	5.54%	0.426%
28	12.482	819	822	823	rBV	22311	30266	2.67%	0.205%
29	12.528	823	826	829	rVB	84611	154847	13.65%	1.050%
30	12.711	840	842	844	rBV3	41609	53419	4.71%	0.362%
31	12.745	844	845	847	rVB	31320	24719	2.18%	0.168%
32	13.008	866	868	870	rBV2	21251	34058	3.00%	0.231%
33	13.053	870	872	874	rVV2	14018	27298	2.41%	0.185%
34	13.099	874	876	879	rVV	41823	41627	3.67%	0.282%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2(0-2)

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-BF061715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.191	882	884	886	rBV	1121503	1012248	89.22%	6.861%
36	13.259	889	890	892	rVB	19859	15939	1.40%	0.108%
37	13.328	894	896	897	rBV2	8974	11446	1.01%	0.078%
38	13.362	897	899	903	rVB2	25935	50252	4.43%	0.341%
39	13.454	903	907	910	rBV	793257	1083890	95.54%	7.346%
40	13.511	910	912	915	rVB2	33710	37921	3.34%	0.257%
41	13.614	917	921	922	rBV2	349076	400013	35.26%	2.711%
42	13.636	922	923	925	rVB	59387	55679	4.91%	0.377%
43	13.705	926	929	931	rBV2	45920	92820	8.18%	0.629%
44	13.842	934	941	943	rBV	136685	242317	21.36%	1.642%
45	13.876	943	944	946	rVV	17804	26982	2.38%	0.183%
46	13.922	946	948	950	rVV	106563	120619	10.63%	0.818%
47	13.968	950	952	954	rVV	75116	107902	9.51%	0.731%
48	14.002	954	955	957	rVV	56952	46932	4.14%	0.318%
49	14.036	957	958	960	rVB	17459	17096	1.51%	0.116%
50	14.082	960	962	964	rVB	32391	38893	3.43%	0.264%
51	14.128	964	966	968	rBV2	34805	52130	4.59%	0.353%
52	14.345	980	985	986	rBV3	19386	58042	5.12%	0.393%
53	14.471	991	996	1000	rBV	74970	154068	13.58%	1.044%
54	14.619	1006	1009	1011	rBV2	83835	133301	11.75%	0.903%
55	14.654	1011	1012	1014	rVV	81800	88596	7.81%	0.600%
56	14.688	1014	1015	1018	rVV2	70275	120071	10.58%	0.814%
57	14.734	1018	1019	1024	rVB	66902	108398	9.55%	0.735%
58	14.837	1026	1028	1032	rVB	21754	29119	2.57%	0.197%
59	14.939	1034	1037	1039	rVV2	644758	1134543	100.00%	7.690%
60	14.985	1039	1041	1043	rVV	436771	518314	45.68%	3.513%
61	15.088	1047	1050	1053	rBV	89227	132001	11.63%	0.895%
62	15.202	1058	1060	1061	rVV2	35890	45918	4.05%	0.311%
63	15.248	1061	1064	1067	rVV2	47401	84184	7.42%	0.571%
64	15.385	1073	1076	1078	rBV3	24367	39530	3.48%	0.268%
65	15.431	1078	1080	1081	rVV	22171	33111	2.92%	0.224%
66	15.477	1081	1084	1086	rVV	74653	122480	10.80%	0.830%
67	15.522	1086	1088	1091	rVV2	45386	60346	5.32%	0.409%
68	15.602	1093	1095	1097	rVV2	36177	68116	6.00%	0.462%
69	15.648	1097	1099	1101	rVV	45814	82570	7.28%	0.560%
70	15.682	1101	1102	1105	rVV2	62493	67227	5.93%	0.456%
71	15.751	1105	1108	1111	rVB4	28908	73308	6.46%	0.497%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2(0-2)

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-BF061715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.899	1119	1121	1124	rBV2	30306	68330	6.02%	0.463%
73	16.151	1139	1143	1146	rBV4	43321	123613	10.90%	0.838%
74	16.357	1158	1161	1168	rBV	427327	1027418	90.56%	6.964%
75	16.460	1168	1170	1171	rBV	15585	22559	1.99%	0.153%
76	16.494	1171	1173	1175	rVB	75943	91075	8.03%	0.617%
77	16.608	1181	1183	1184	rBV2	19419	27936	2.46%	0.189%
78	16.688	1187	1190	1191	rVV2	29798	57750	5.09%	0.391%
79	16.745	1191	1195	1199	rVB	217839	413662	36.46%	2.804%
80	16.814	1199	1201	1206	rBV	317168	489914	43.18%	3.321%
81	16.894	1206	1208	1210	rVV	281018	429989	37.90%	2.914%
82	16.940	1210	1212	1217	rVB	101520	165225	14.56%	1.120%
83	17.351	1246	1248	1254	rVB5	23797	57552	5.07%	0.390%
84	17.603	1268	1270	1275	rVB2	25504	52410	4.62%	0.355%
85	18.185	1319	1321	1324	rBV4	13145	31188	2.75%	0.211%
86	18.517	1346	1350	1351	rBV2	27269	69603	6.13%	0.472%
87	18.665	1361	1363	1366	rBV2	10808	20291	1.79%	0.138%
88	18.734	1366	1369	1376	rVB2	147713	363939	32.08%	2.467%
89	18.963	1386	1389	1393	rBV2	25844	53779	4.74%	0.365%
90	19.043	1393	1396	1398	rBV	21022	46291	4.08%	0.314%
91	19.294	1414	1418	1429	rVB	123616	336477	29.66%	2.281%
92	19.580	1440	1443	1447	rVB	26722	54592	4.81%	0.370%

Sum of corrected areas: 14754156

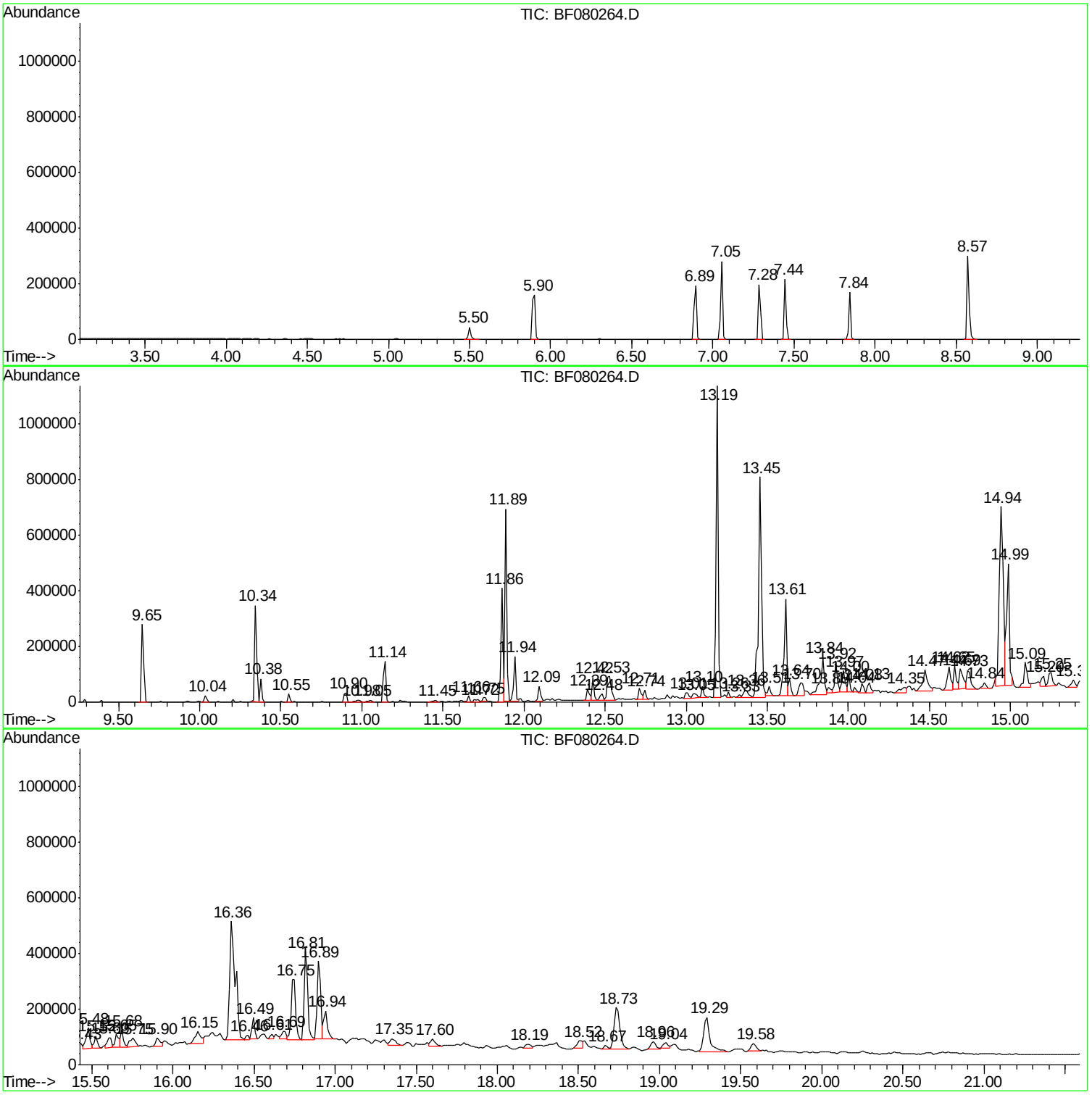
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

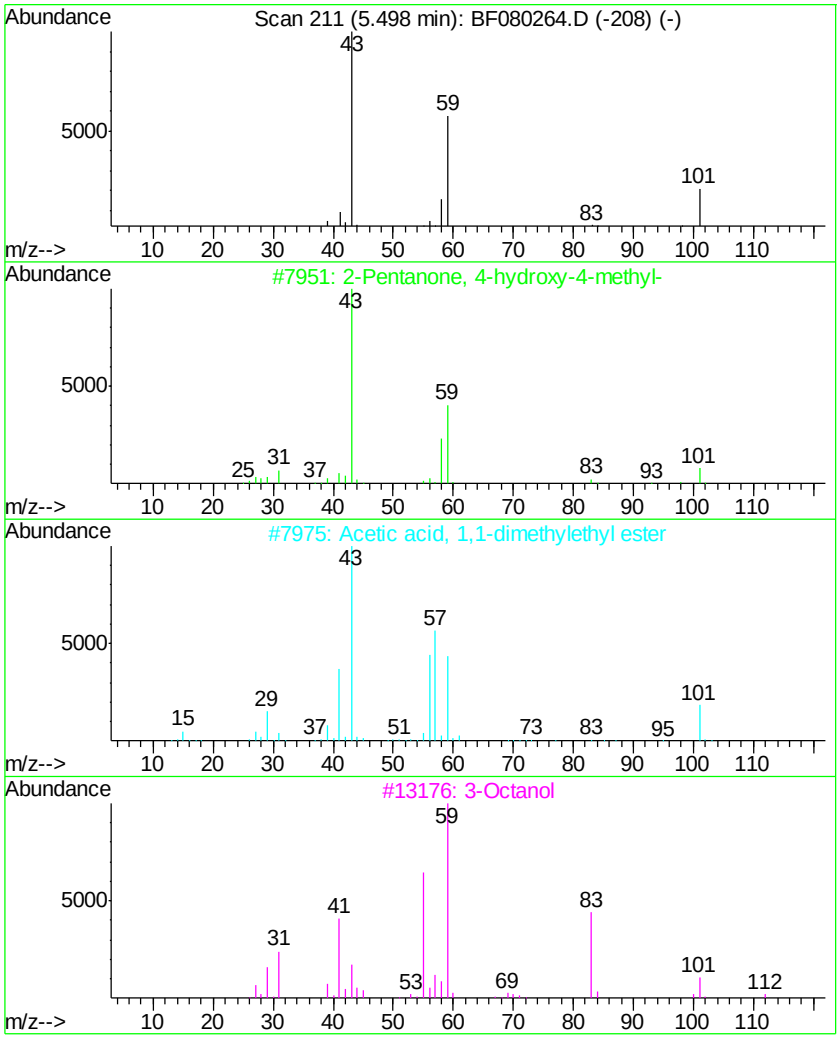
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

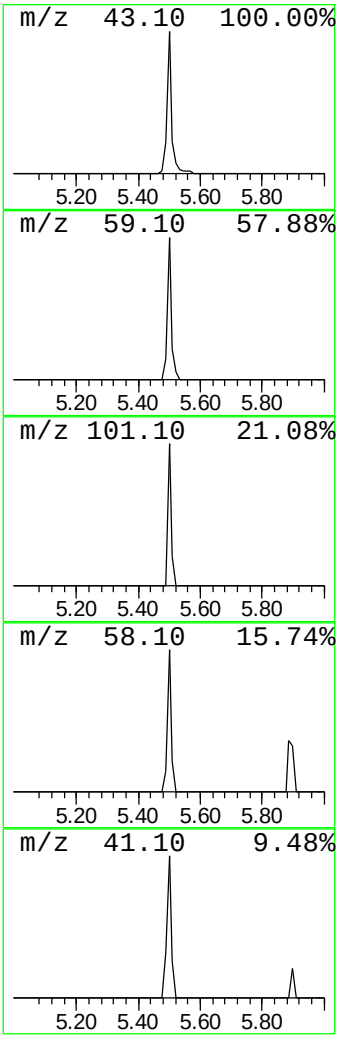
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.50	4.61 ng	46936	1,4-Dichlorobenzene-d4	7.28

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, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
3	3-Octanol	130	C8H18O	000589-98-0	9
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

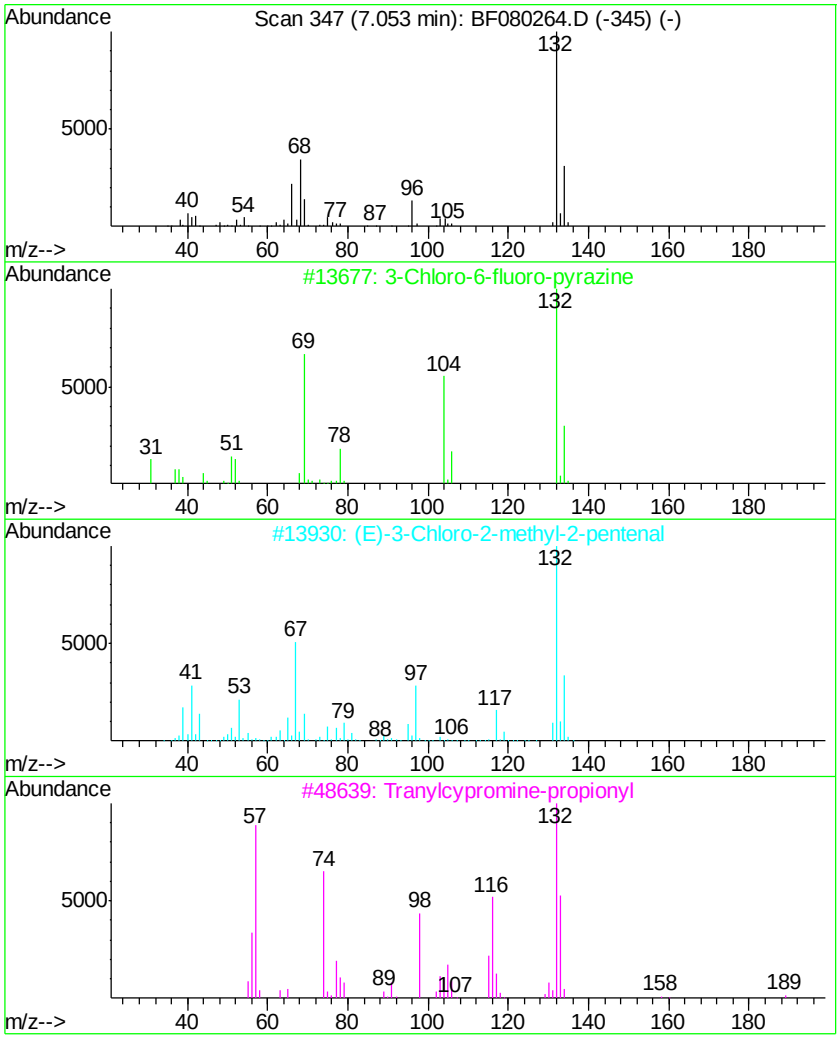
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

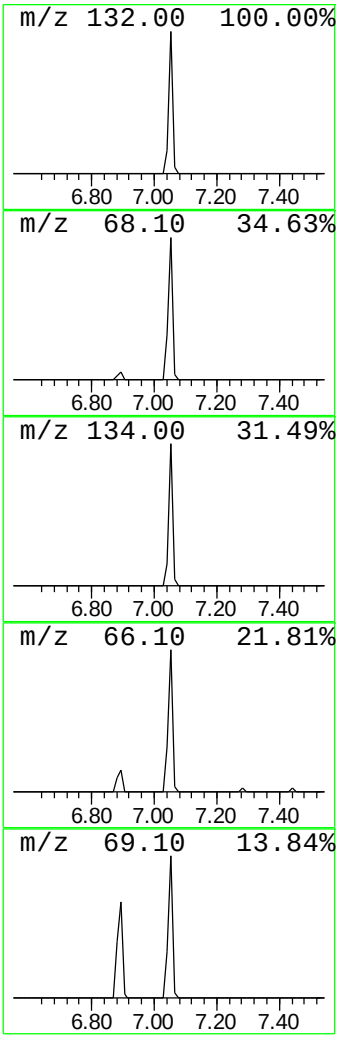
****

Peak Number 2 unknown7.05 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	23.91 ng	243395	1,4-Dichlorobenzene-d4	7.28

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	10
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





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Data File : BF080264.D
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Operator : TP/IZ
Sample : G2831-03 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SP-2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

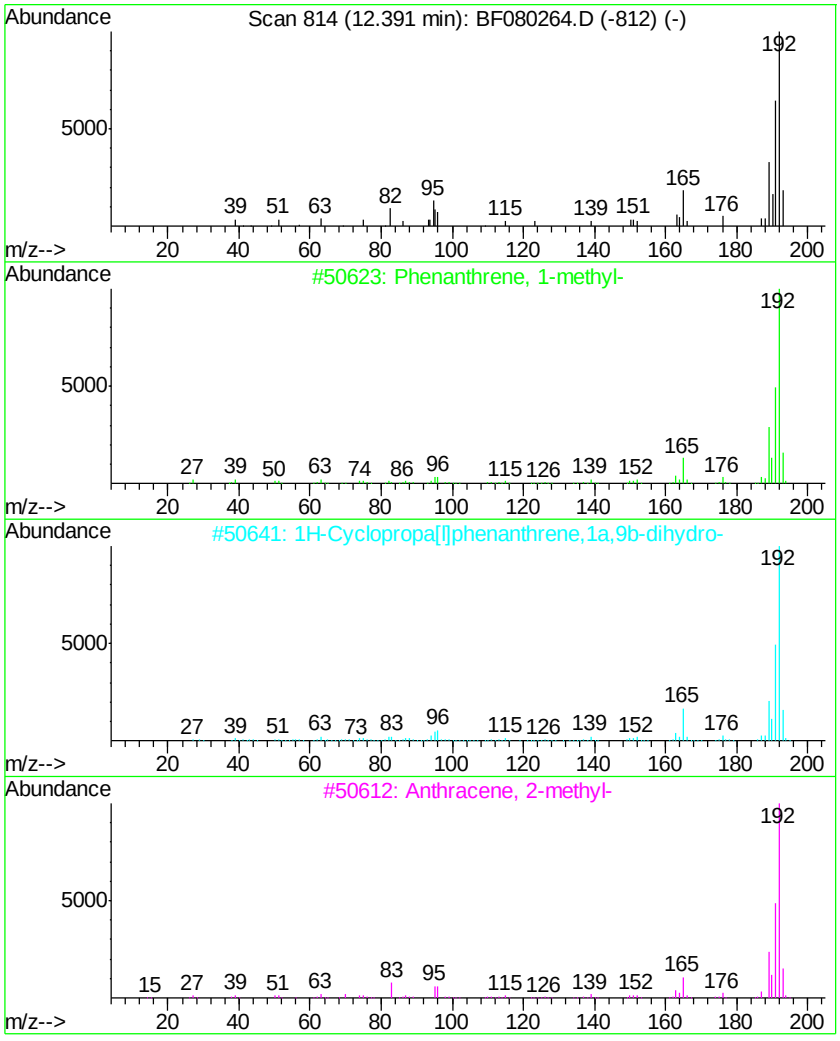
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

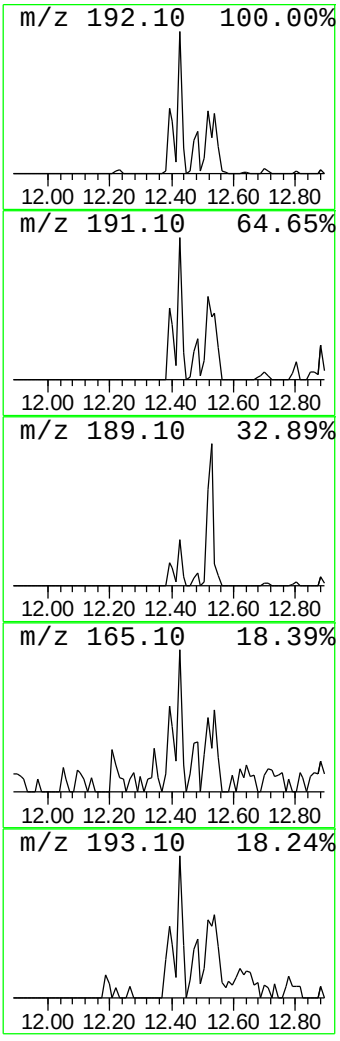
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.76 ng	54260	Phenanthrene-d10	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

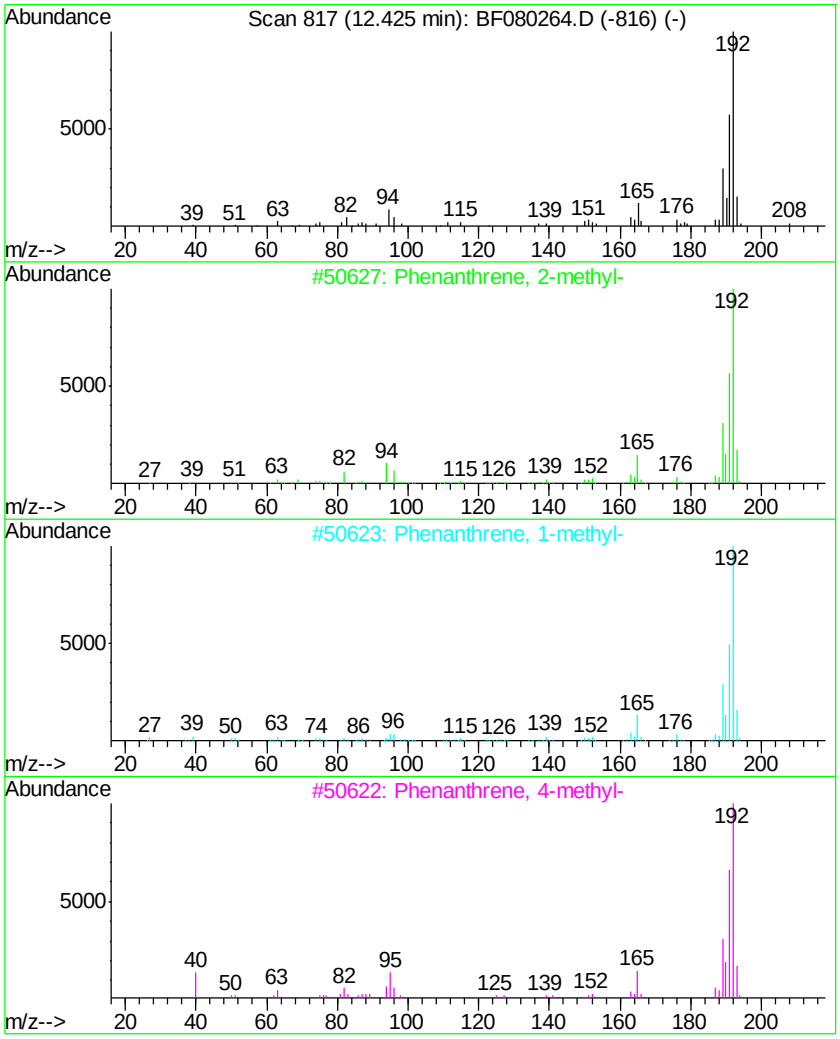
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

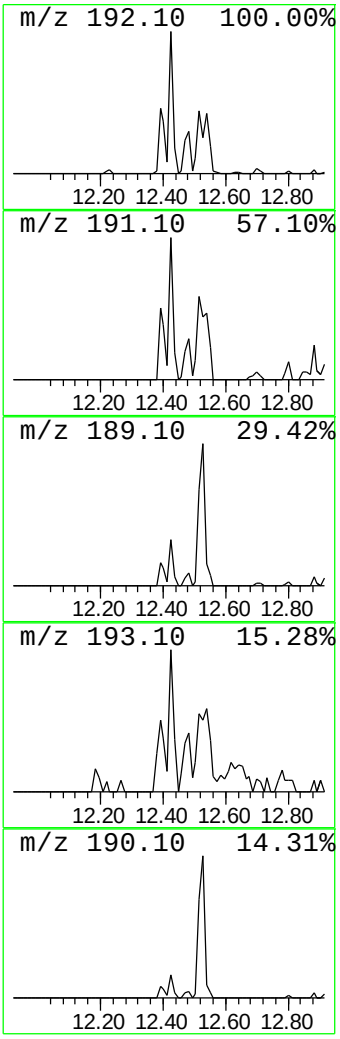
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.20 ng	62802	Phenanthrene-d10	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

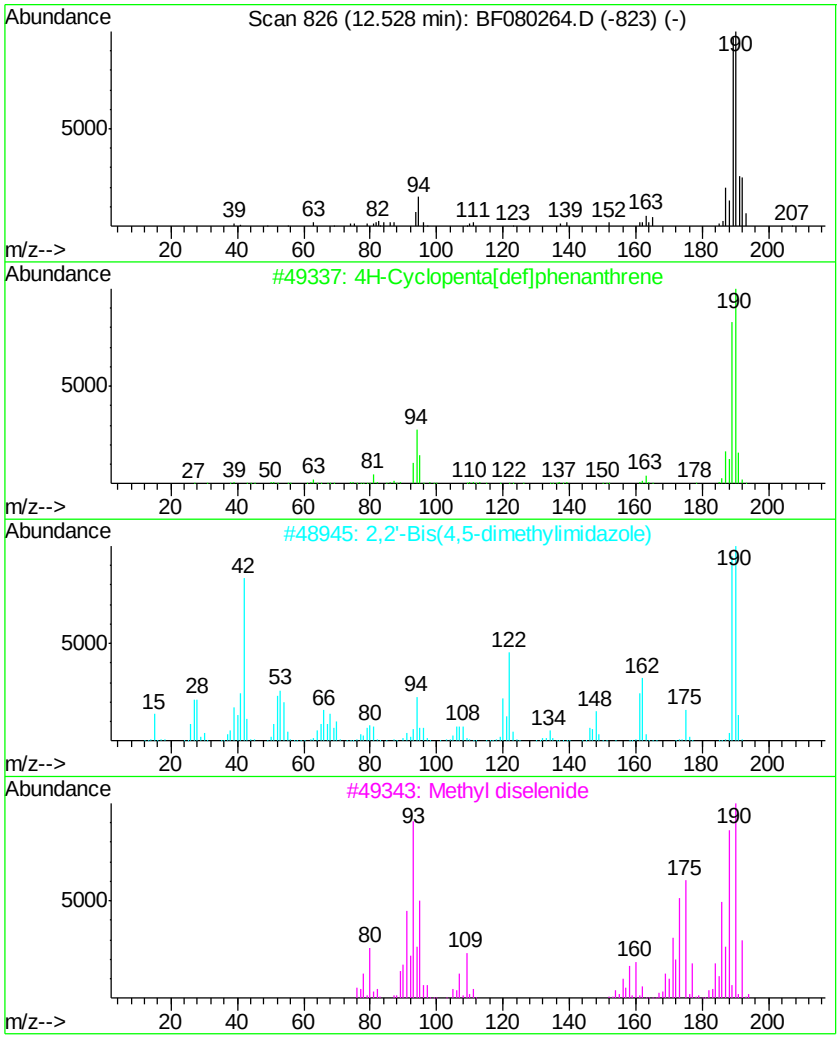
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

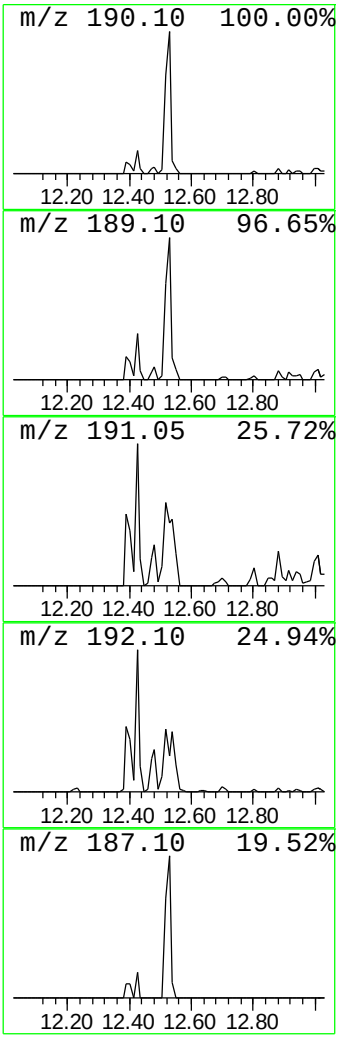
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	7.88 ng	154847	Phenanthrene-d10	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
3	Methyl diselenide	190	C2H6Se2	007101-31-7	27
4	4-Cyano-4-hydroxy-3-methyl-2-phe...	216	C13H16N2O	1000216-11-7	22
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

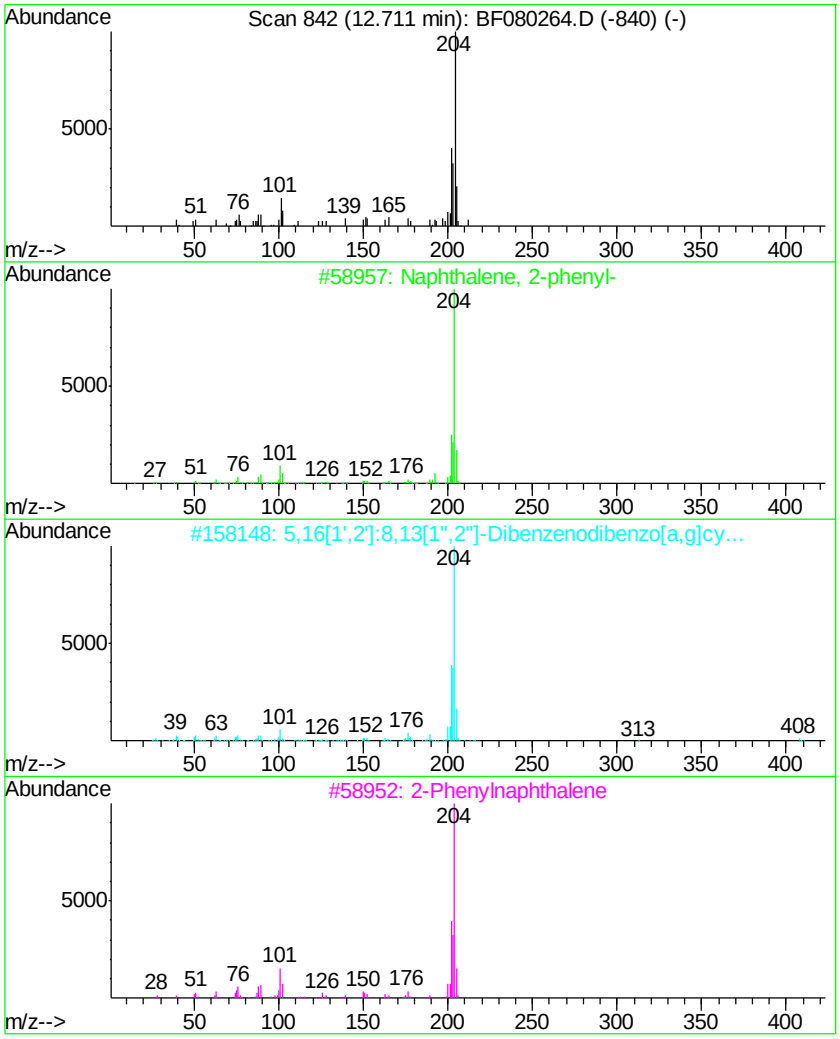
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

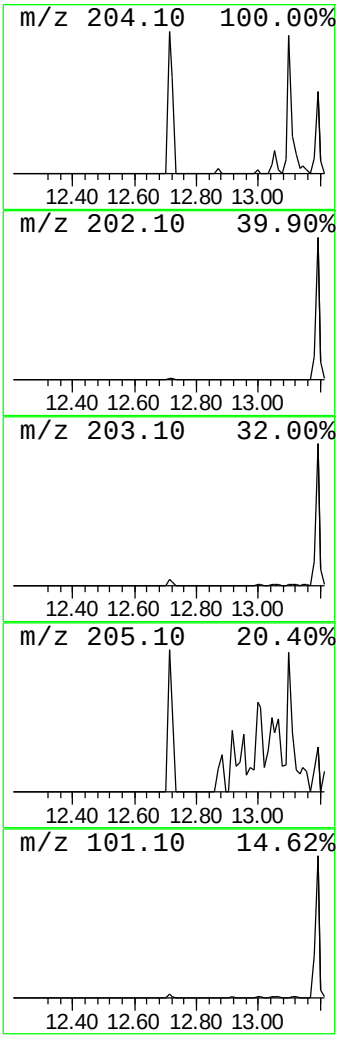
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	2.72 ng	53419	Phenanthrene-d10	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	68





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Operator : TP/IZ
Sample : G2831-03 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SP-2(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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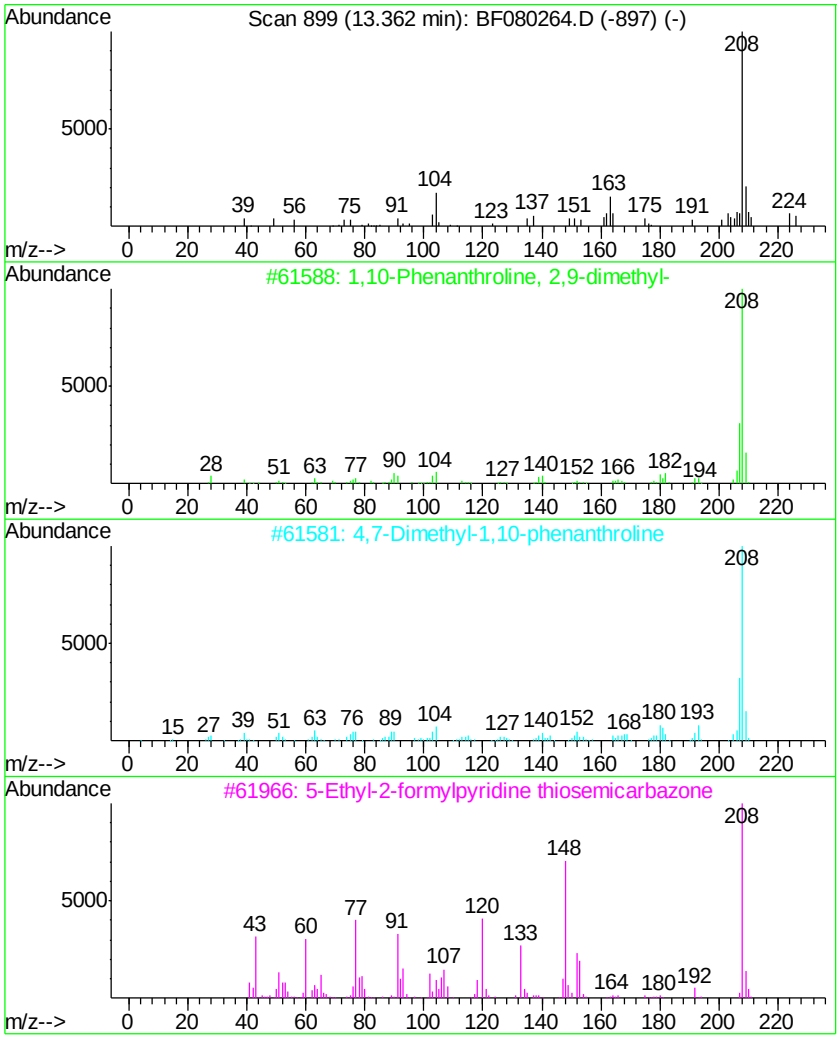
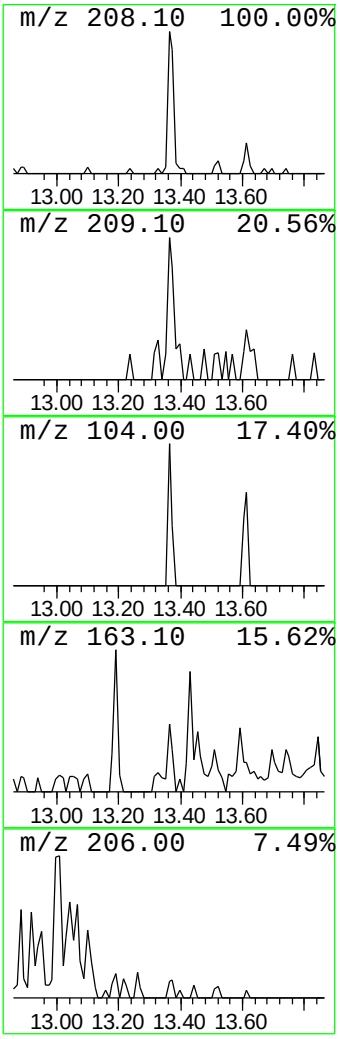
Peak Number 8 1,10-Phenanthroline, 2,9-di... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	2.56 ng	50252	Phenanthrene-d10	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	59
2	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	59
3	5-Ethyl-2-formylpyridine thiosem...	208	C9H12N4S	031181-48-3	53
4	Pyrene, 1,2,3,6,7,8-hexahydro-	208	C16H16	001732-13-4	53
5	Benzeneacetonitrile, 4-amino-.al...	208	C14H12N2	004760-58-1	53





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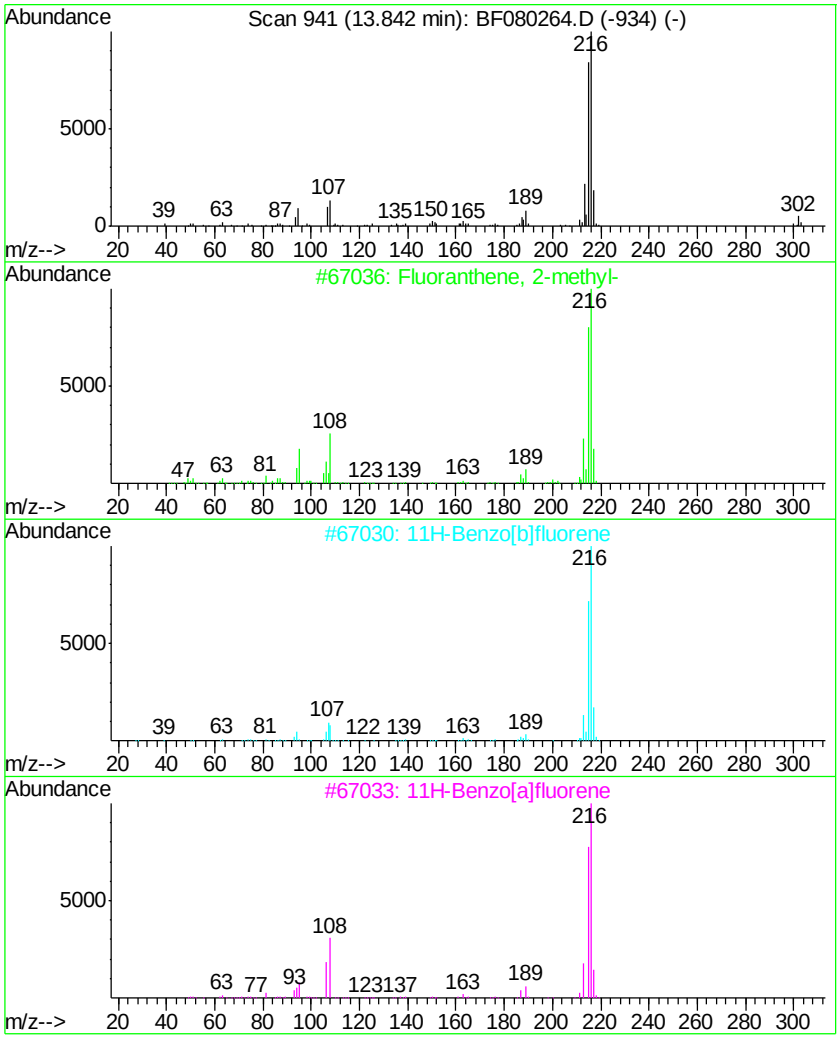
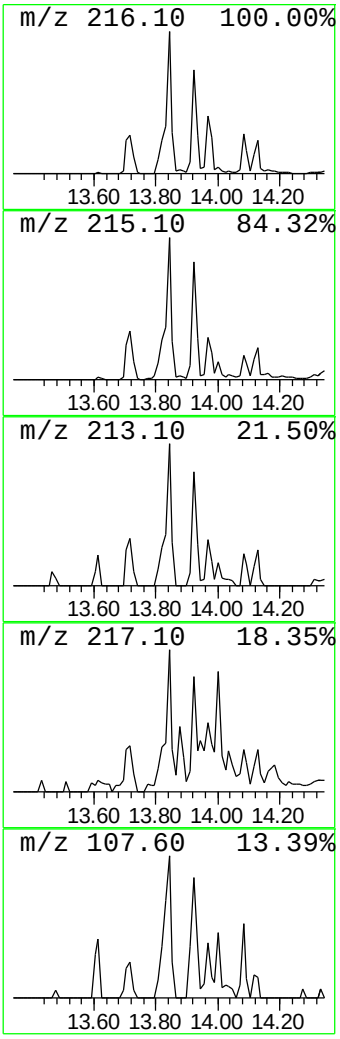
Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	4.27 ng	242317	Chrysene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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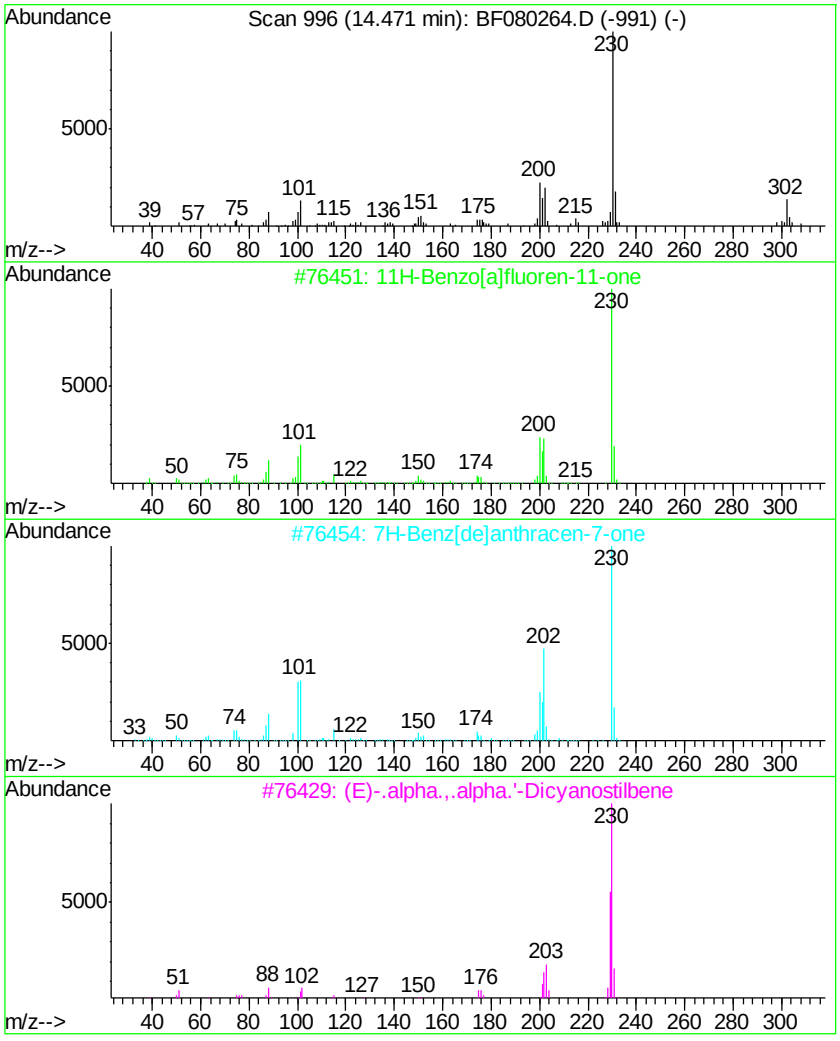
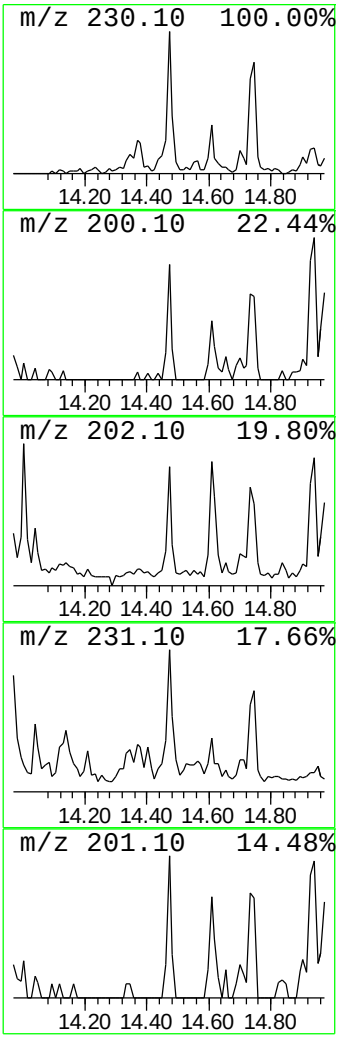
Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	2.72 ng	154068	Chrysene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
3	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	64
4	o-Terphenyl	230	C18H14	000084-15-1	50
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50





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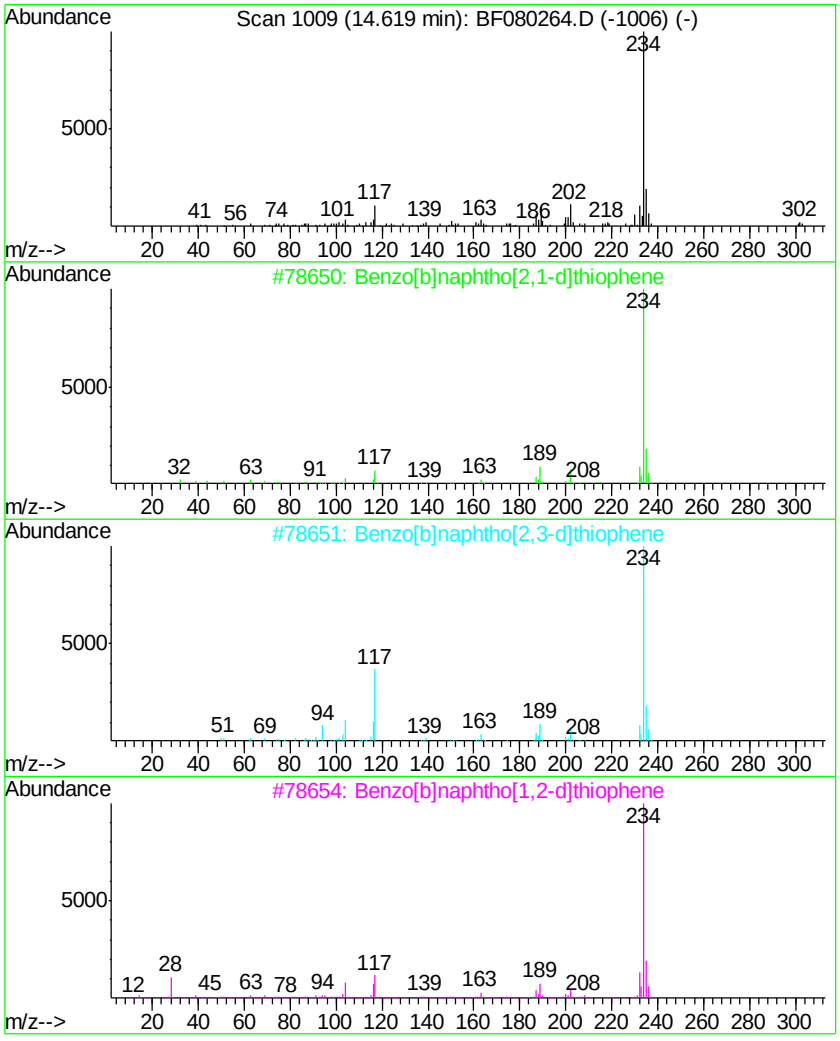
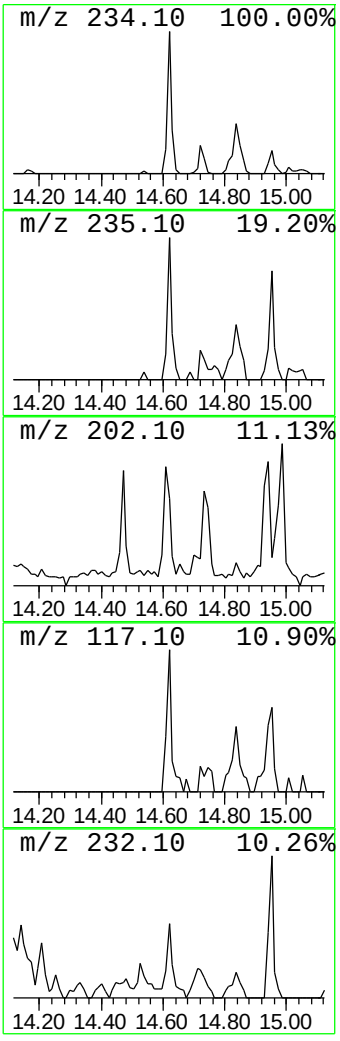
Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	2.35 ng	133301	Chrysene-d12	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
4	2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	59
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	59





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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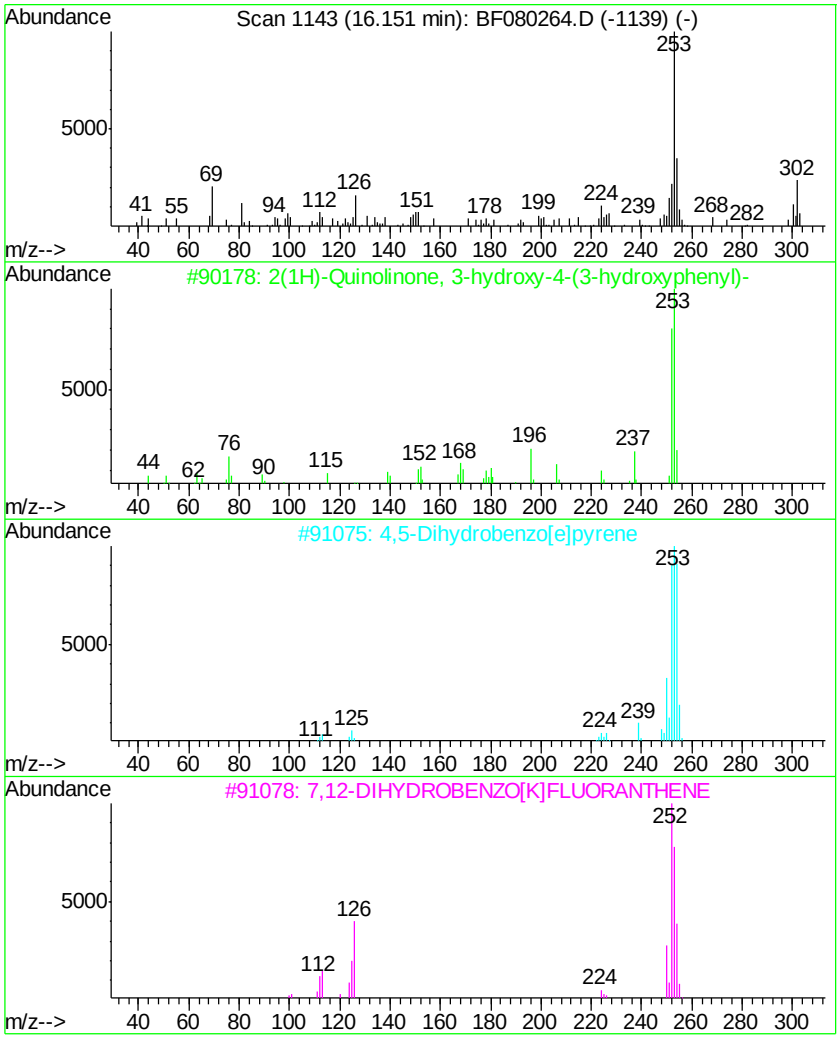
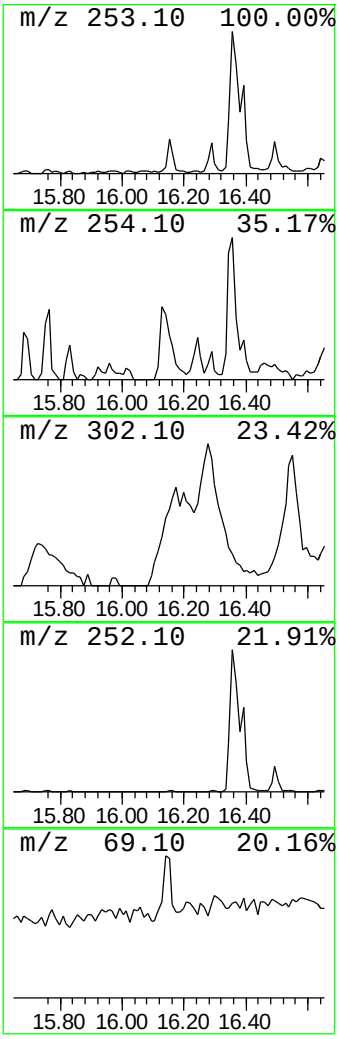
Peak Number 12 unknown16.15 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	5.75 ng	123613	Perylene-d12	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, 3-hydroxy-4-(...	253	C15H11NO3	014484-44-7	43
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	43
3	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	37
4	Propanephosphonic acid, bis(trim...	268	C9H25O3PSi2	1000193-07-4	33
5	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	28





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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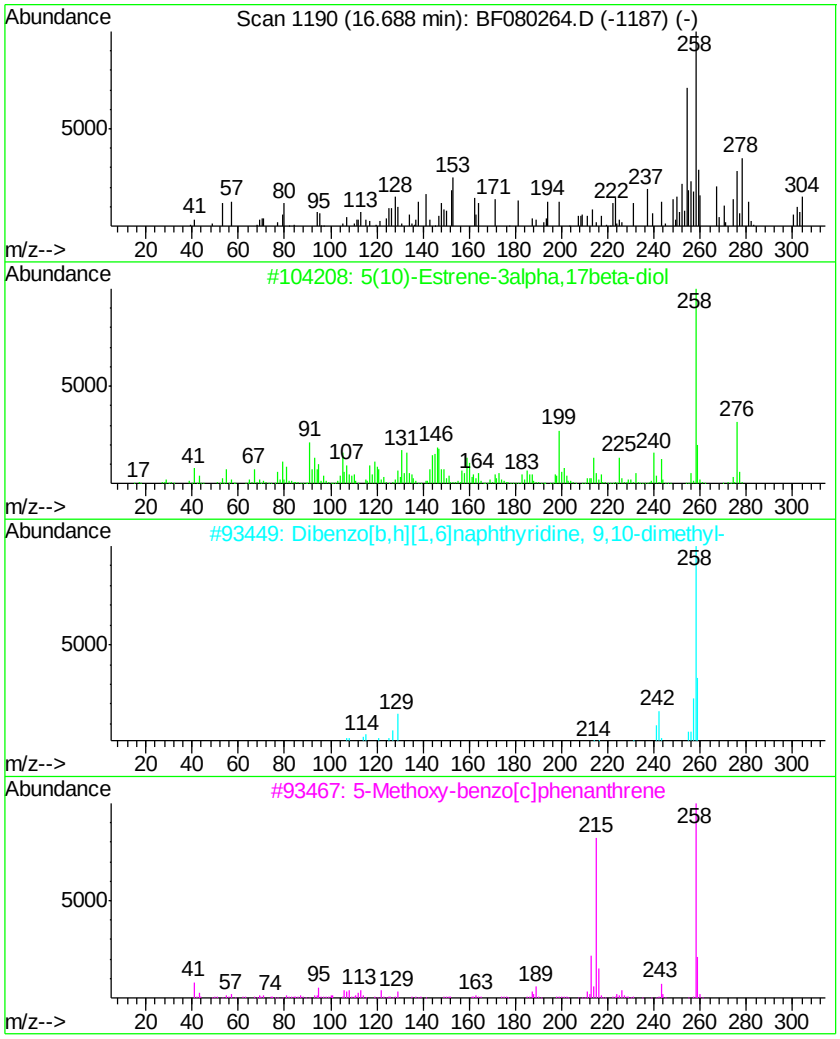
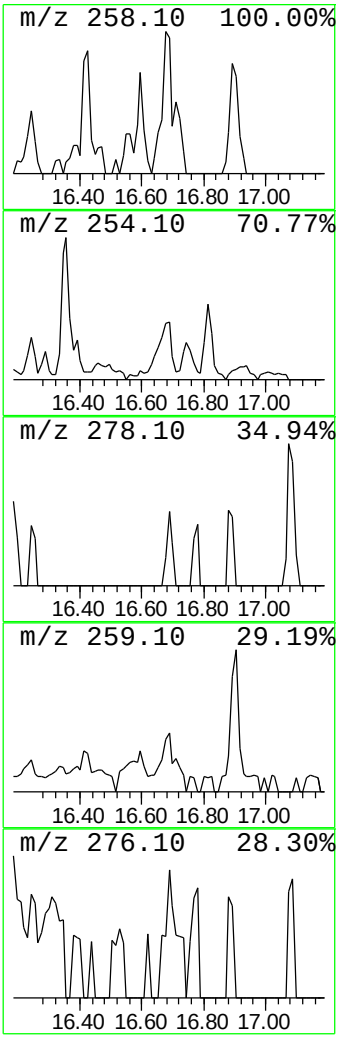
Peak Number 14 unknown16.69 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	2.69 ng	57750	Perylene-d12	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5(10)-Estrene-3alpha,17beta-diol	276	C18H28O2	013864-49-8	27
2	Dibenzo[b,h][1,6]naphthyridine, ...	258	C18H14N2	004240-85-1	18
3	5-Methoxy-benzo[c]phenanthrene	258	C19H14O	004235-03-4	14
4	Benz[3,4]anthra[1,2-b]oxirene, 1...	258	C19H14O	001155-38-0	14
5	1-Propanol, 3,3'-diselenobis-	278	C6H14O2Se2	023243-47-2	11





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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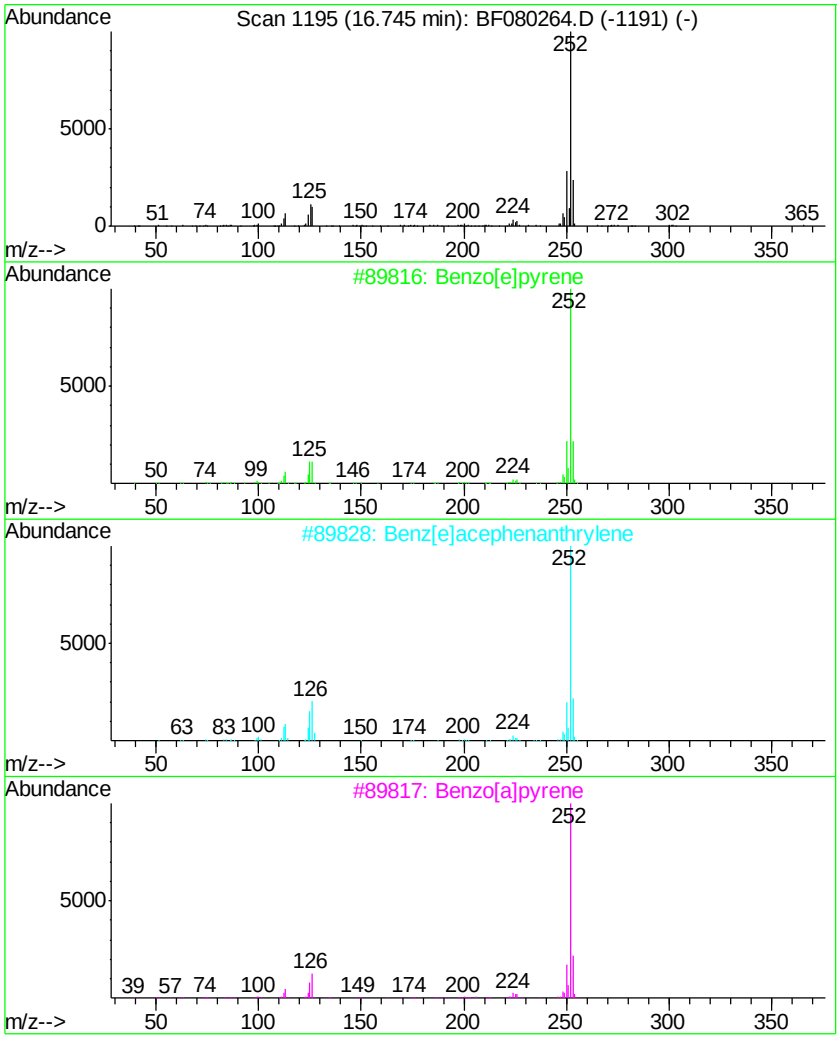
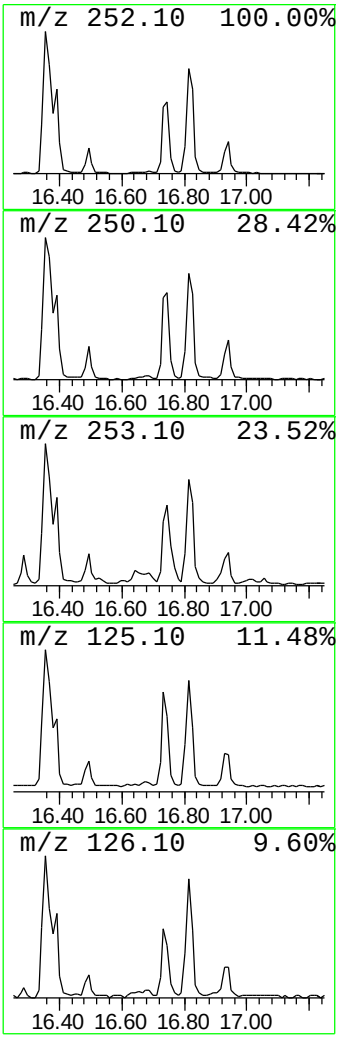
Peak Number 15 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	19.24 ng	413662	Perylene-d12	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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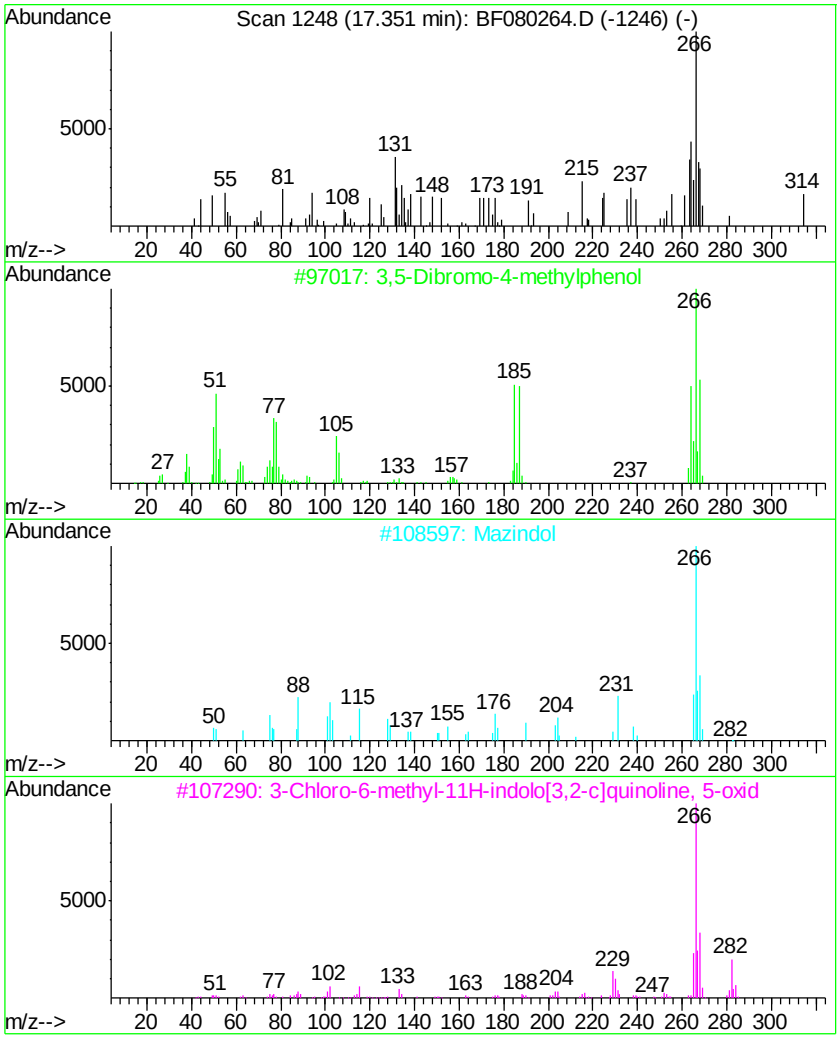
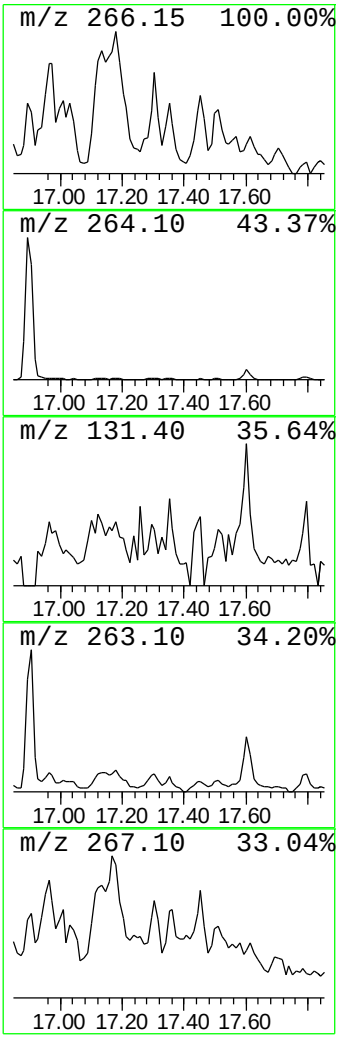
Peak Number 16 unknown17.35 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	2.68 ng	57552	Perylene-d12	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dibromo-4-methylphenol	264	C7H6Br2O	013979-81-2	46
2	Mazindol	284	C16H13ClN2O	022232-71-9	43
3	3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	43
4	Perylene, 1,2,3,3a,4,5,6,7,8,9,9...	266	C20H26	007594-86-7	38
5	5-(p-Dimethylaminocinnamoyl)-2-m...	266	C17H18N2O	004625-19-8	38





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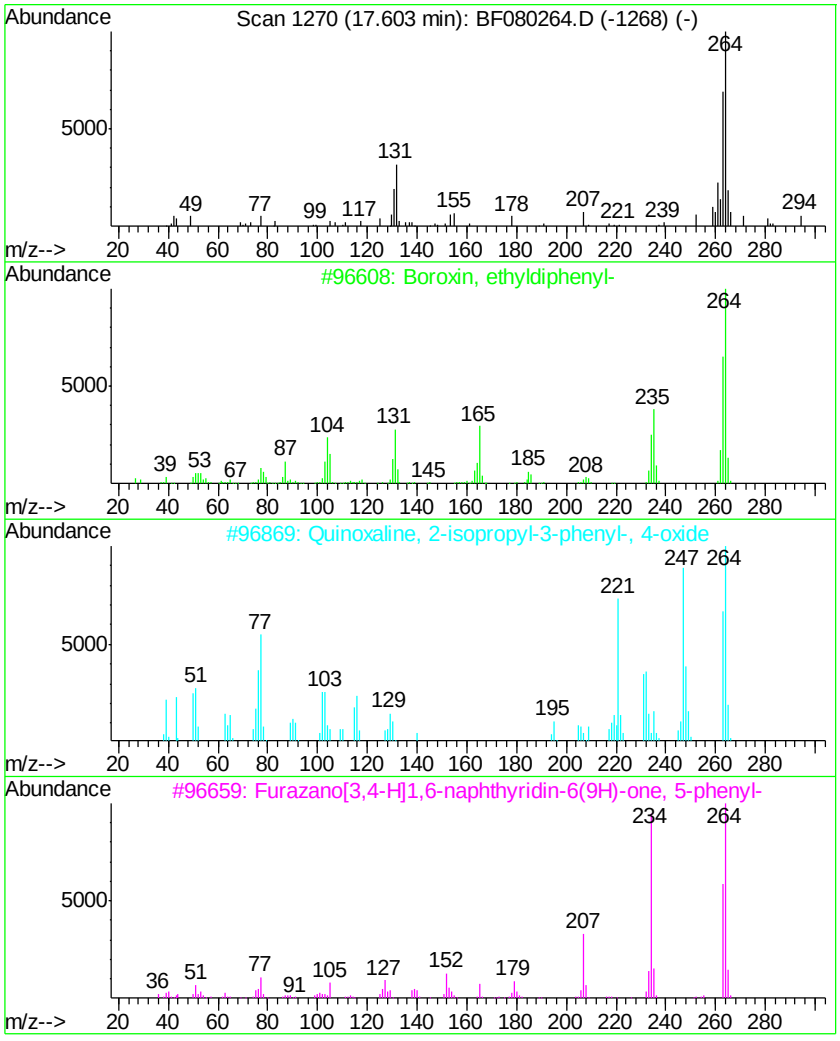
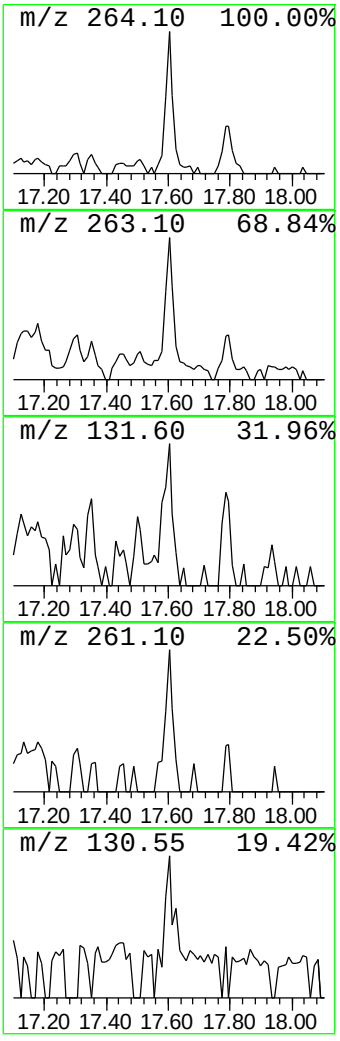
Peak Number 17 Boroxin, ethyldiphenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	2.44 ng	52410	Perylene-d12	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	50
2	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	47
3	Furazano[3,4-H]1,6-naphthyridin-...	264	C14H8N4O2	296245-19-7	47
4	Ethene, tribromo-	262	C2HBr3	000598-16-3	38
5	Diphenyl methyl phosphate	264	C13H13O4P	000115-89-9	38





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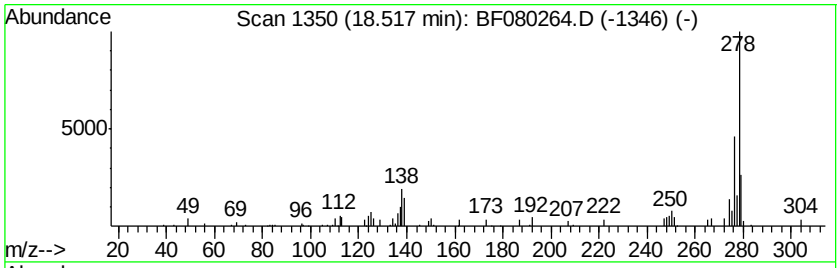
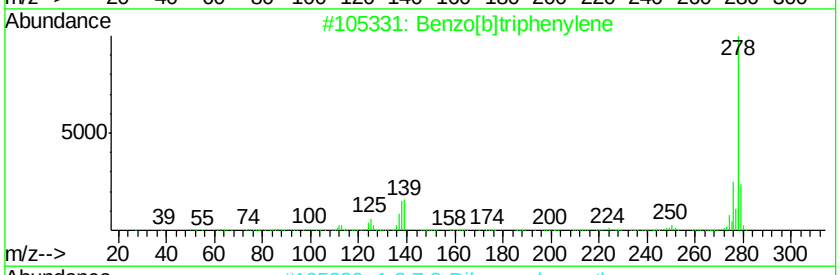
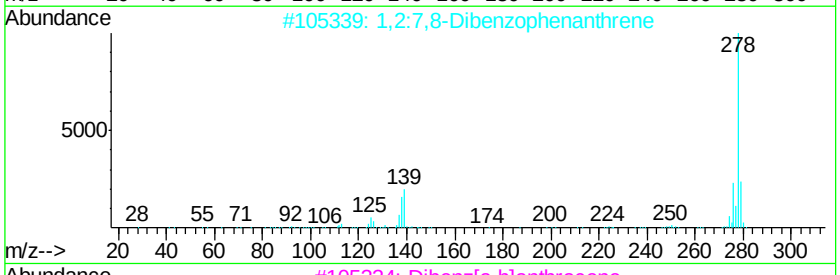
Peak Number 18 Benzo[b]triphenylene Concentration Rank 9

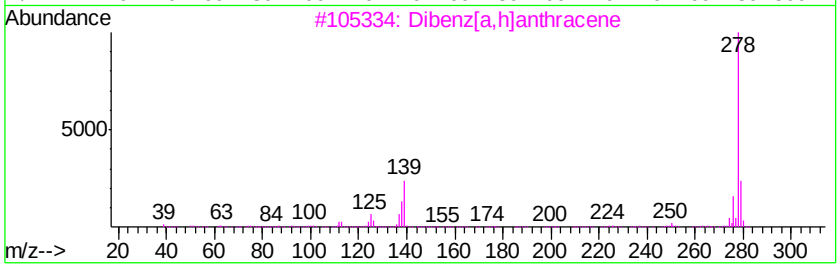
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	3.24 ng	69603	Perylene-d12	16.89

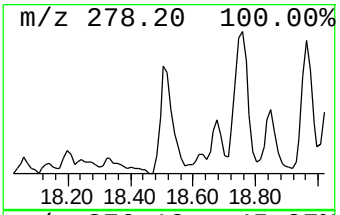
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	83
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	64
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	58
4	Benzo[b]chrysene	278	C22H14	000214-17-5	58
5	Pentaphene	278	C22H14	000222-93-5	53

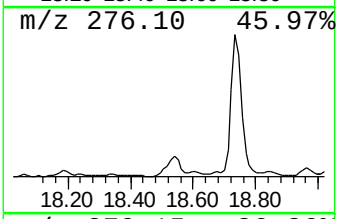


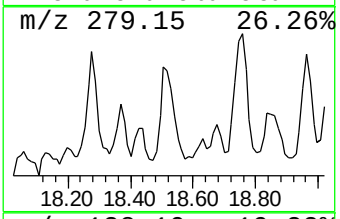


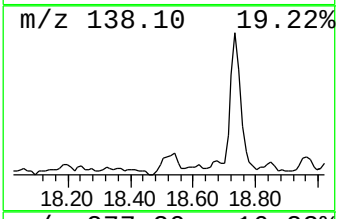


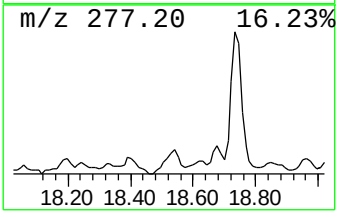












Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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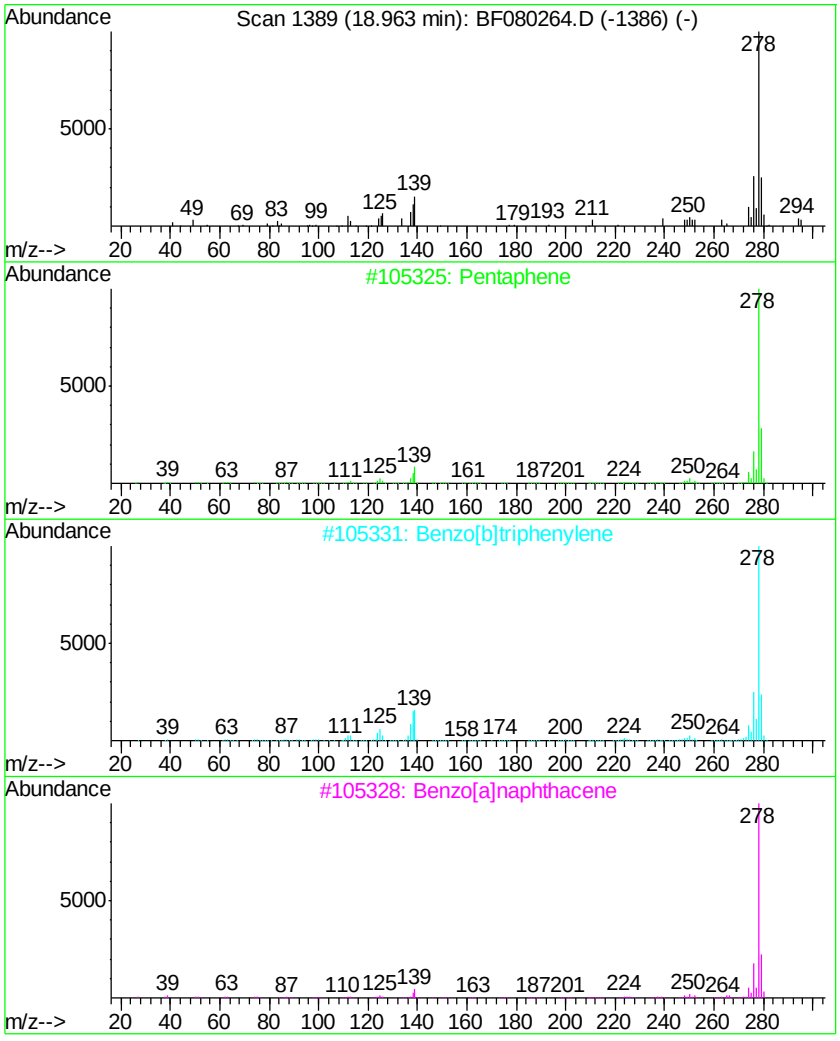
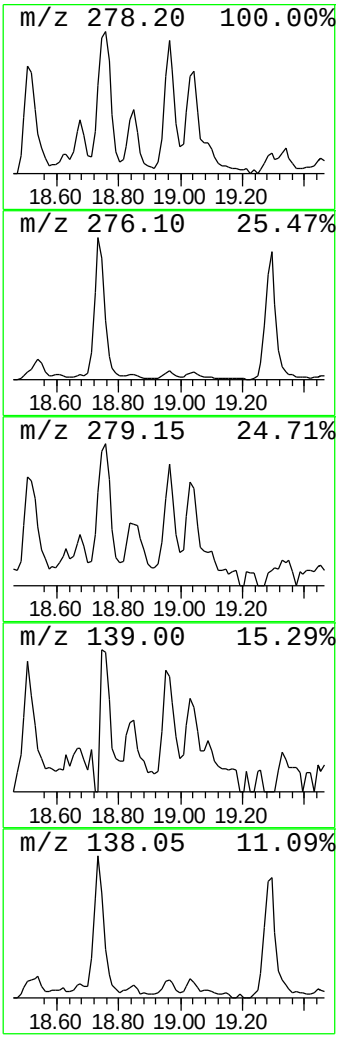
Peak Number 19 Pentaphene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	2.50 ng	53779	Perylene-d12	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	93
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	81
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	81
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	76





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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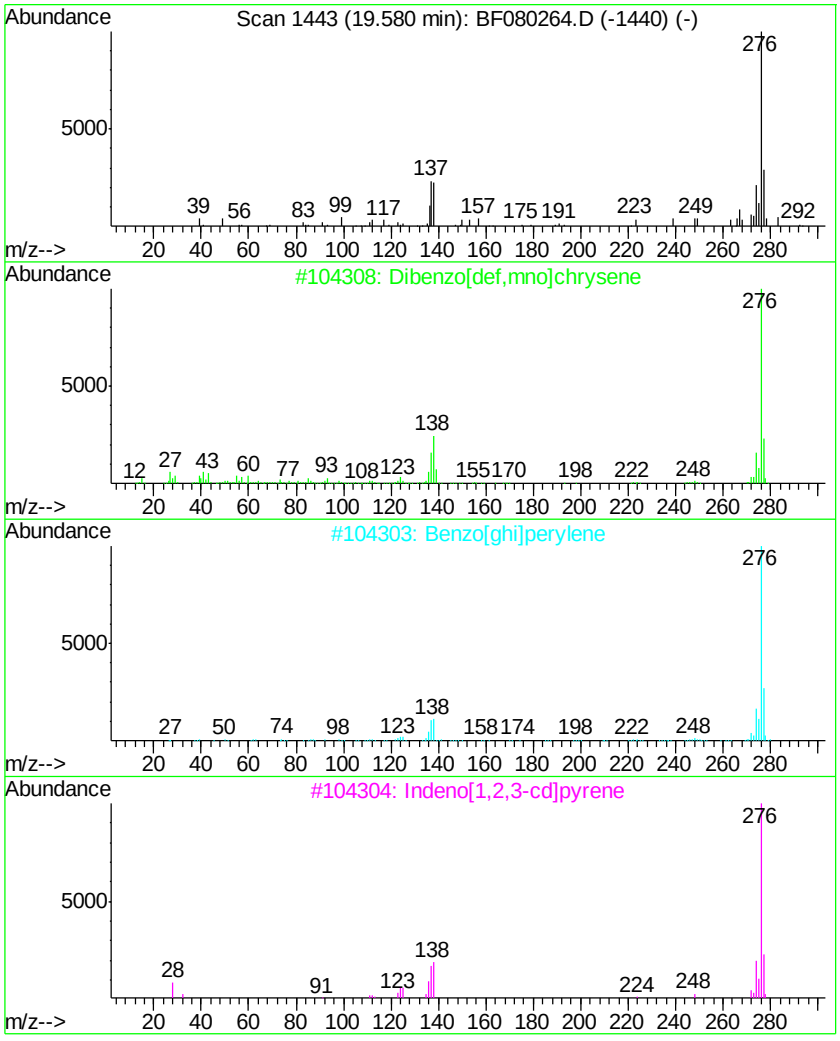
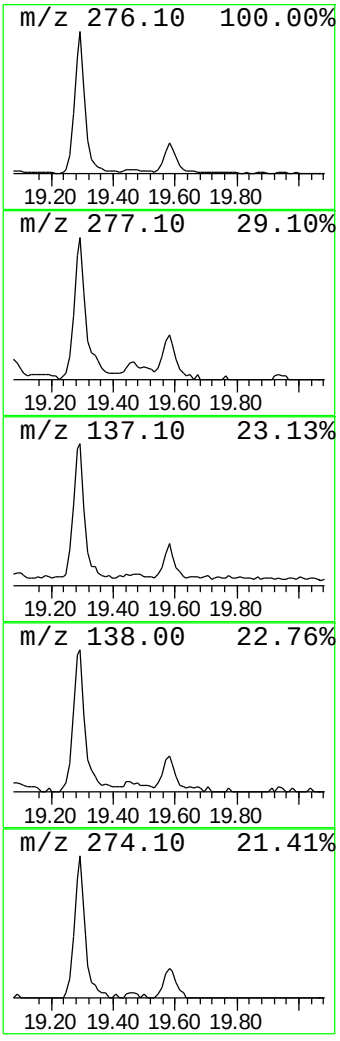
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	2.54 ng	54592	Perylene-d12	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5	2-Dodecyl-p-cresol	276	C19H32O	025912-91-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080264.D
Acq On : 1 Jul 2015 8:22
Operator : TP/IZ
Sample : G2831-03 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.50	4.6	ng	46936	1	7.28	203557	20.0
unknown7.05	7.05	23.9	ng	243395	1	7.28	203557	20.0
Phenanthrene, 1-m...	12.39	2.8	ng	54260	4	11.86	392785	20.0
Phenanthrene, 2-m...	12.42	3.2	ng	62802	4	11.86	392785	20.0
4H-Cyclopenta[def...	12.53	7.9	ng	154847	4	11.86	392785	20.0
Naphthalene, 2-ph...	12.71	2.7	ng	53419	4	11.86	392785	20.0
1,10-Phenanthroli...	13.36	2.6	ng	50252	4	11.86	392785	20.0
Fluoranthene, 2-m...	13.84	4.3	ng	242317	5	14.95	1134540	20.0
11H-Benzo[a]fluor...	14.47	2.7	ng	154068	5	14.95	1134540	20.0
Benzo[b]naphtho[2...	14.62	2.4	ng	133301	5	14.95	1134540	20.0
unknown16.15	16.15	5.8	ng	123613	6	16.89	429989	20.0
unknown16.69	16.69	2.7	ng	57750	6	16.89	429989	20.0
Benzo[e]pyrene	16.75	19.2	ng	413662	6	16.89	429989	20.0
unknown17.35	17.35	2.7	ng	57552	6	16.89	429989	20.0
Boroxin, ethyldip...	17.60	2.4	ng	52410	6	16.89	429989	20.0
Benzo[b]triphenylene	18.52	3.2	ng	69603	6	16.89	429989	20.0
Pentaphene	18.96	2.5	ng	53779	6	16.89	429989	20.0
Dibenzo[def,mno]c...	19.58	2.5	ng	54592	6	16.89	429989	20.0