LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087864.D
Acq On : 9 Jun 2016 20:50
Operator : UM/SJ
Sample : H3423-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3B(0.5-1.0)

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	1.884	24	26	70	rVB	1520386	3736335	100.00%	9.245%
2	5.404	332	334	336	rBV	595123	553375	14.81%	1.369%
3	6.445	423	425	427	rBV	708611	586450	15.70%	1.451%
4	6.582	434	437	439	rBV	725550	590719	15.81%	1.462%
5	6.822	456	458	460	rBV	706359	660128	17.67%	1.633%
6	6.970	469	471	473	rBV	404928	391912	10.49%	0.970%
7	7.382	504	507	509	rBB	370052	336316	9.00%	0.832%
8	8.102	568	570	575	rBV	779324	1427896	38.22%	3.533%
9	8.810	630	632	635	rBB	163152	178933	4.79%	0.443%
10	8.913	639	641	643	rVB	153940	119830	3.21%	0.297%
11	9.176	662	664	666	rBV	684842	521932	13.97%	1.291%
12	9.279	671	673	675	rVB	80374	68489	1.83%	0.169%
13	9.439	684	687	689	rBB	45010	57881	1.55%	0.143%
14	9.508	691	693	695	rBV	60623	82424	2.21%	0.204%
15	9.576	697	699	701	rVV	63465	72360	1.94%	0.179%
16	9.851	721	723	725	rBV	893602	889231	23.80%	2.200%
17	9.885	725	726	728	rVB	669397	491358	13.15%	1.216%
18	10.056	738	741	743	rBV	497502	408089	10.92%	1.010%
19	10.399	769	771	773	rVV	562119	473495	12.67%	1.172%
20	10.479	776	778	780	rVV2	50791	88018	2.36%	0.218%
21	10.525	780	782	783	rVV2	27340	50022	1.34%	0.124%
22	10.559	783	785	787	rVB	71411	85563	2.29%	0.212%
23	10.639	789	792	794	rBV2	333360	411589	11.02%	1.018%
24	10.948	815	819	820	rBV3	53880	92965	2.49%	0.230%
25	11.096	827	832	833	rBV2	45707	98501	2.64%	0.244%
26	11.131	833	835	838	rVB	152710	183006	4.90%	0.453%
27	11.188	838	840	841	rBV	34500	48311	1.29%	0.120%
28	11.222	841	843	846	rVB	140229	201467	5.39%	0.499%
29	11.336	850	853	854	rBV	651826	1134433	30.36%	2.807%
30	11.359	854	855	857	rVV	2769945	2244018	60.06%	5.553%
31	11.405	857	859	861	rVV	754184	664293	17.78%	1.644%
32	11.439	861	862	864	rVB	82993	64608	1.73%	0.160%
33	11.565	869	873	874	rBV2	264495	429835	11.50%	1.064%
34	11.634	876	879	880	rBV2	42299	53179	1.42%	0.132%

LSC Area Percent Report

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Data File : BF087864.D
Acq On : 9 Jun 2016 20:50
Operator : UM/SJ
Sample : H3423-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3B(0.5-1.0)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	11.656	880	881	884	rVB3	45033	47720	1.28%	0.118%
36	11.828	894	896	897	rBV	255543	258422	6.92%	0.639%
37	11.862	897	899	901	rVB	367167	375491	10.05%	0.929%
38	11.908	901	903	904	rBV	132643	131405	3.52%	0.325%
39	11.942	904	906	910	rVB2	505137	644892	17.26%	1.596%
40	12.148	921	924	926	rVB2	329312	457798	12.25%	1.133%
41	12.274	931	935	936	rBV	71456	74404	1.99%	0.184%
42	12.308	936	938	941	rVB	53849	99208	2.66%	0.245%
43	12.377	941	944	946	rBV	155266	181537	4.86%	0.449%
44	12.411	946	947	950	rVV2	64788	115748	3.10%	0.286%
45	12.457	950	951	956	rVB3	90571	126570	3.39%	0.313%
46	12.548	956	959	961	rBV	2524665	2928887	78.39%	7.247%
47	12.594	961	963	967	rVB3	58133	113324	3.03%	0.280%
48	12.685	967	971	975	rBV2	104730	199903	5.35%	0.495%
49	12.765	975	978	981	rBV	1700487	2903775	77.72%	7.185%
50	12.811	981	982	985	rVB2	111408	129311	3.46%	0.320%
51	12.879	986	988	989	rBV2	121459	150078	4.02%	0.371%
52	12.914	989	991	994	rVB2	434362	497497	13.32%	1.231%
53	12.982	994	997	1001	rBV3	159518	355753	9.52%	0.880%
54	13.097	1001	1007	1008	rVB2	229892	506171	13.55%	1.252%
55	13.131	1008	1010	1011	rBV2	25409	47921	1.28%	0.119%
56	13.154	1011	1012	1014	rVV	185425	212897	5.70%	0.527%
57	13.199	1014	1016	1019	rVV3	174503	322176	8.62%	0.797%
58	13.257	1019	1021	1022	rVV	45430	56917	1.52%	0.141%
59	13.291	1022	1024	1025	rVB	78741	92955	2.49%	0.230%
60	13.314	1025	1026	1028	rBV	125513	135473	3.63%	0.335%
61	13.394	1031	1033	1035	rBV3	41821	59832	1.60%	0.148%
62	13.497	1038	1042	1045	rBV4	66740	210848	5.64%	0.522%
63	13.588	1047	1050	1053	rVV	152944	251220	6.72%	0.622%
64	13.702	1058	1060	1062	rBV	210766	312507	8.36%	0.773%
65	13.737	1062	1063	1064	rVV	195976	157792	4.22%	0.390%
66	13.760	1064	1065	1067	rVV2	141183	178459	4.78%	0.442%
67	13.805	1067	1069	1072	rVB	170588	235192	6.29%	0.582%
68	13.874	1073	1075	1078	rBV	44952	57724	1.54%	0.143%
69	13.954	1078	1082	1084	rBV2	1495547	2502349	66.97%	6.192%
70	13.988	1084	1085	1087	rVB	1095315	812341	21.74%	2.010%
71	14.057	1089	1091	1093	rBV2	157593	222834	5.96%	0.551%

LSC Area Percent Report

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Data File : BF087864.D
Acq On : 9 Jun 2016 20:50
Operator : UM/SJ
Sample : H3423-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3B(0.5-1.0)

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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Peak separation: 5

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

72	14.091	1093	1094	1097	rBV3	33996	56809	1.52%	0.141%
73	14.148	1097	1099	1100	rBV2	44375	65639	1.76%	0.162%
74	14.182	1100	1102	1103	rVB2	89627	111766	2.99%	0.277%
75	14.217	1103	1105	1108	rVB	38463	60667	1.62%	0.150%
76	14.274	1108	1110	1112	rBV3	55422	86935	2.33%	0.215%
77	14.342	1112	1116	1117	rBV	185602	220577	5.90%	0.546%
78	14.377	1117	1119	1121	rVB2	109372	102248	2.74%	0.253%
79	14.434	1121	1124	1125	rBV	106025	129269	3.46%	0.320%
80	14.480	1125	1128	1130	rVB4	81597	187926	5.03%	0.465%
81	14.537	1130	1133	1136	rVB3	67201	120291	3.22%	0.298%
82	14.640	1139	1142	1143	rBV	71558	93769	2.51%	0.232%
83	14.720	1147	1149	1151	rBV2	30460	66366	1.78%	0.164%
84	14.811	1154	1157	1161	rBV3	59077	143646	3.84%	0.355%
85	14.880	1161	1163	1164	rBV	43377	50614	1.35%	0.125%
86	14.971	1168	1171	1175	rBV	775040	1598451	42.78%	3.955%
87	15.063	1177	1179	1181	rVB	149745	182156	4.88%	0.451%
88	15.165	1185	1188	1190	rBV2	49823	127987	3.43%	0.317%
89	15.245	1193	1195	1198	rVB	362376	543995	14.56%	1.346%
90	15.314	1198	1201	1203	rBV	541876	770167	20.61%	1.906%
91	15.371	1203	1206	1207	rBV	365380	504338	13.50%	1.248%
92	15.817	1243	1245	1247	rVV	30514	51225	1.37%	0.127%
93	15.885	1249	1251	1256	rVB	45150	79468	2.13%	0.197%
94	16.571	1307	1311	1314	rBV3	40355	113565	3.04%	0.281%
95	16.731	1321	1325	1329	rVB2	241376	475888	12.74%	1.178%
96	16.891	1336	1339	1341	rBV	52136	95952	2.57%	0.237%
97	16.937	1341	1343	1346	rBV	34903	76653	2.05%	0.190%
98	17.131	1356	1360	1367	rBV	198347	442490	11.84%	1.095%
99	17.348	1376	1379	1382	rBV	55622	99171	2.65%	0.245%
100	19.372	1552	1556	1560	rBV	29233	91429	2.45%	0.226%

Sum of corrected areas: 40413749

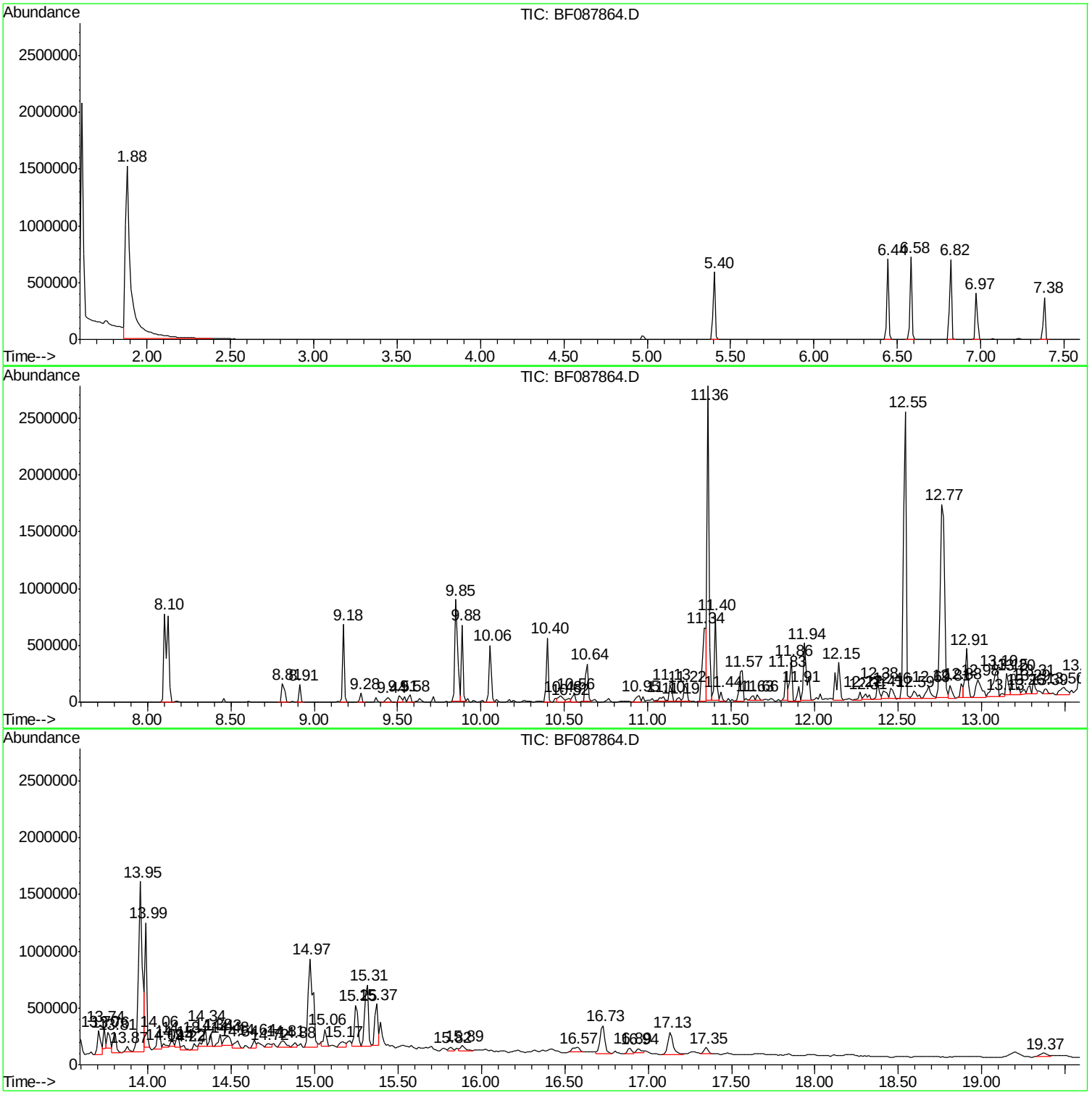
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087864.D
Acq On : 9 Jun 2016 20:50
Operator : UM/SJ
Sample : H3423-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3B(0.5-1.0)

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

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087864.D
Acq On : 9 Jun 2016 20:50
Operator : UM/SJ
Sample : H3423-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3B(0.5-1.0)

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

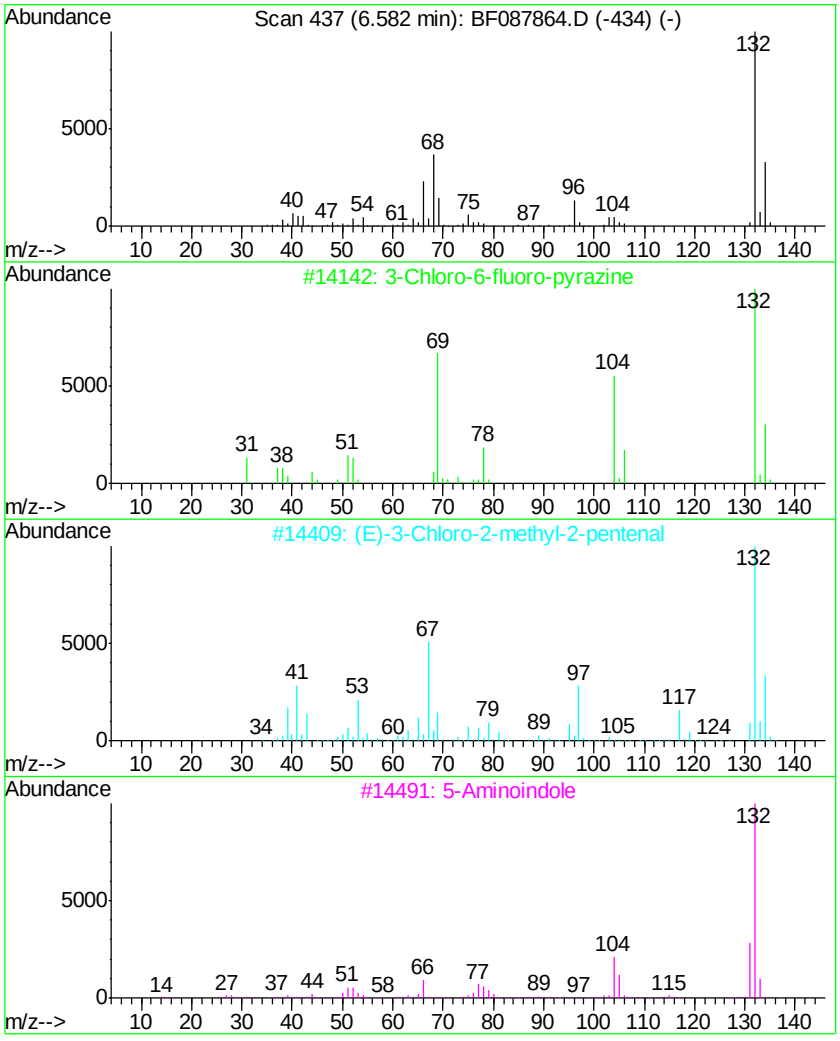
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

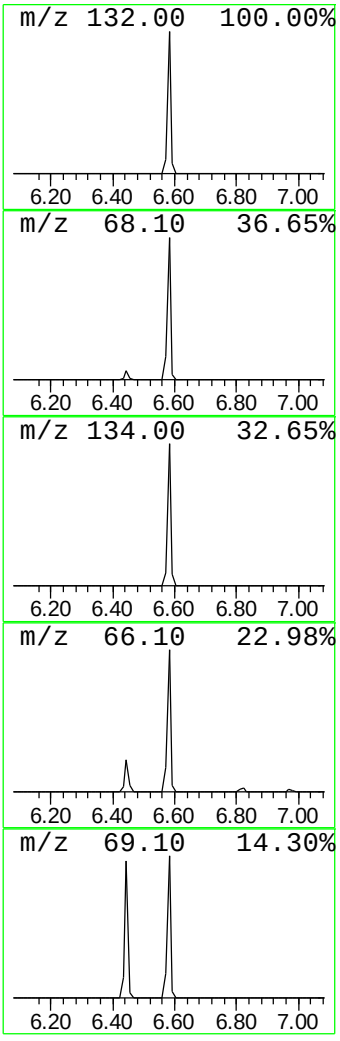
****

Peak Number 2 unknown6.58 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	17.90 ng	590719	1,4-Dichlorobenzene-d4	6.82

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	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087864.D
Acq On : 9 Jun 2016 20:50
Operator : UM/SJ
Sample : H3423-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3B(0.5-1.0)

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

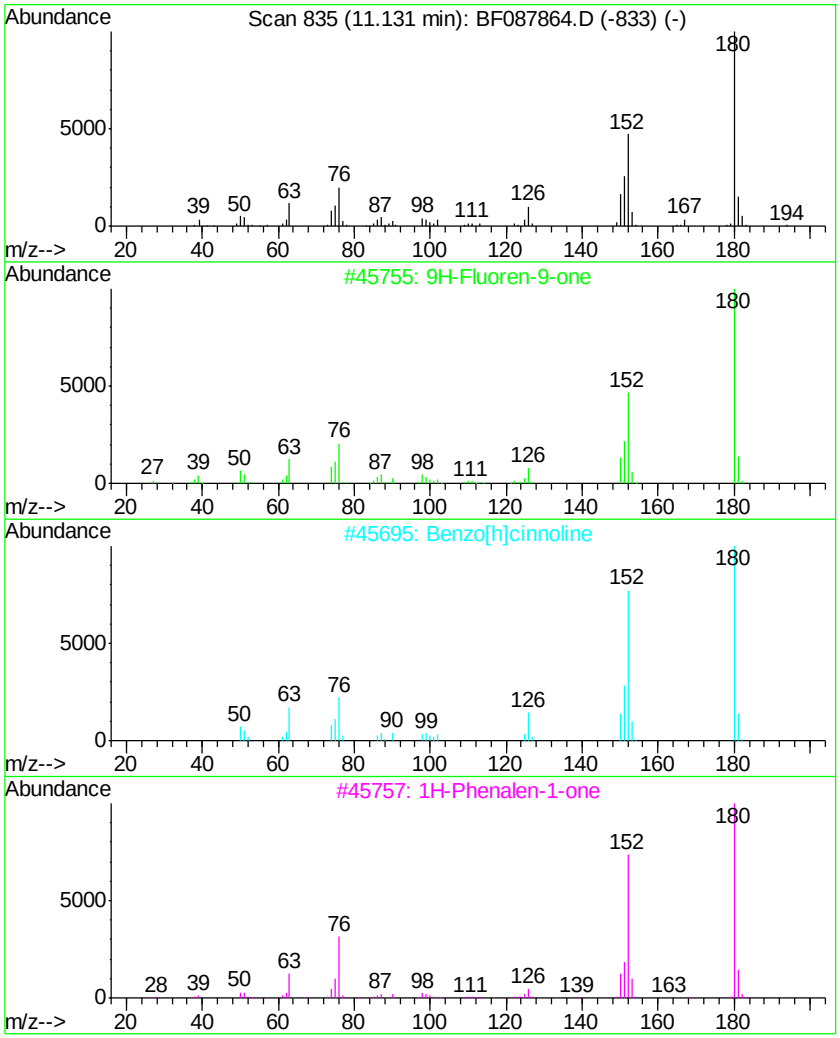
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

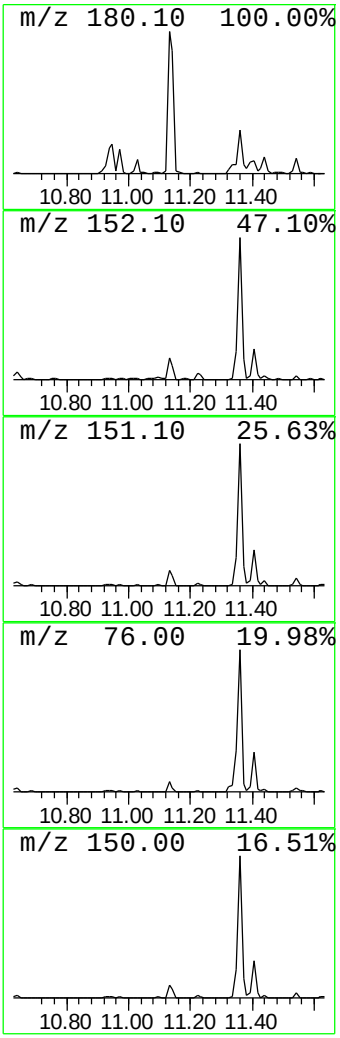
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	3.23 ng	183006	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	86
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	58
5	2-Benzothiophen-4(5H)-one, 6,7-d...	180	C10H12OS	1000338-11-9	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087864.D
Acq On : 9 Jun 2016 20:50
Operator : UM/SJ
Sample : H3423-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3B(0.5-1.0)

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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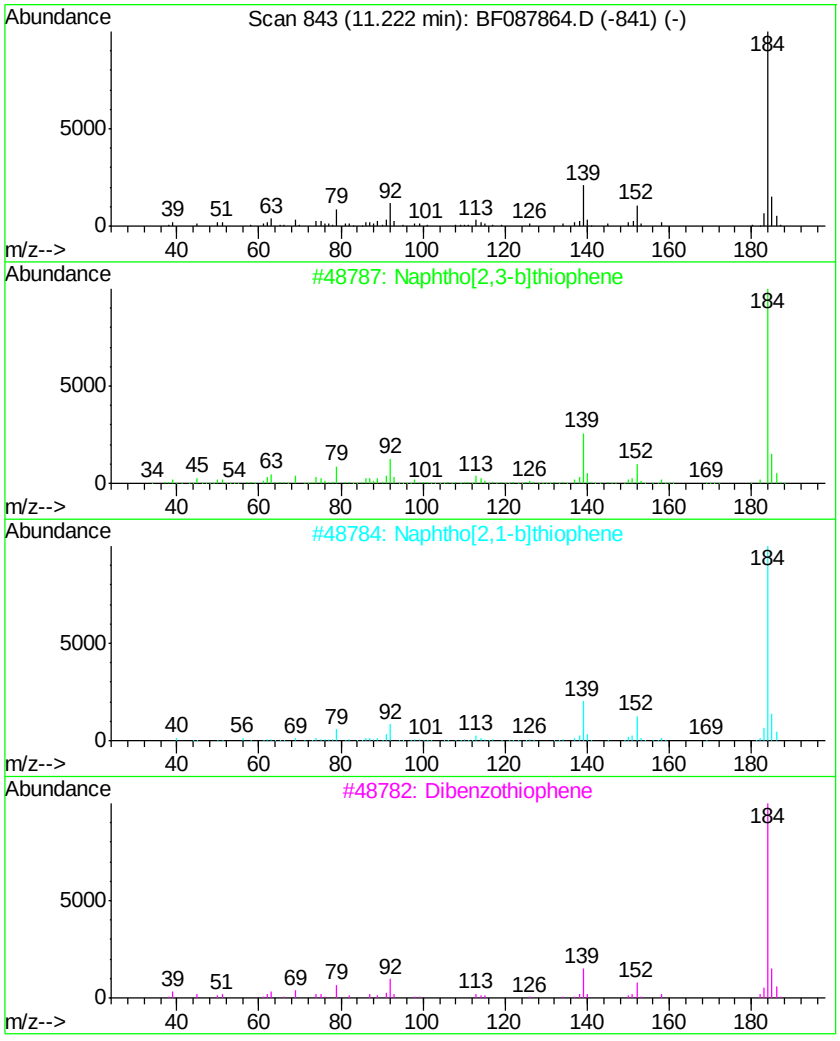
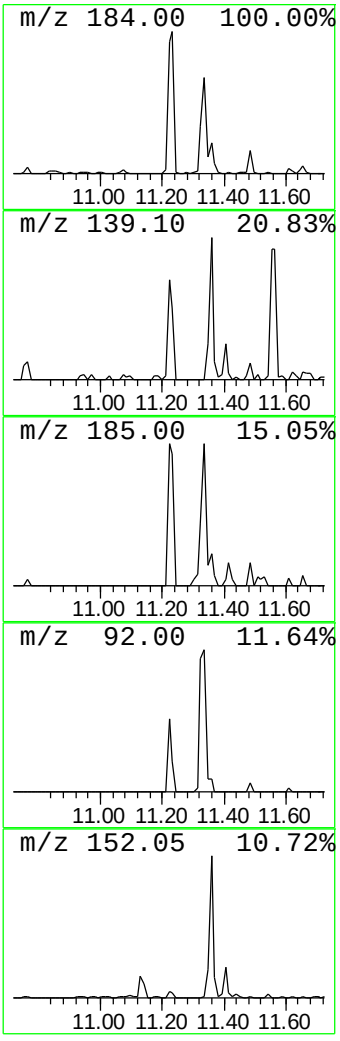
Peak Number 5 Naphtho[2,3-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	3.55 ng	201467	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
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Acq On : 9 Jun 2016 20:50
Operator : UM/SJ
Sample : H3423-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3B(0.5-1.0)

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

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

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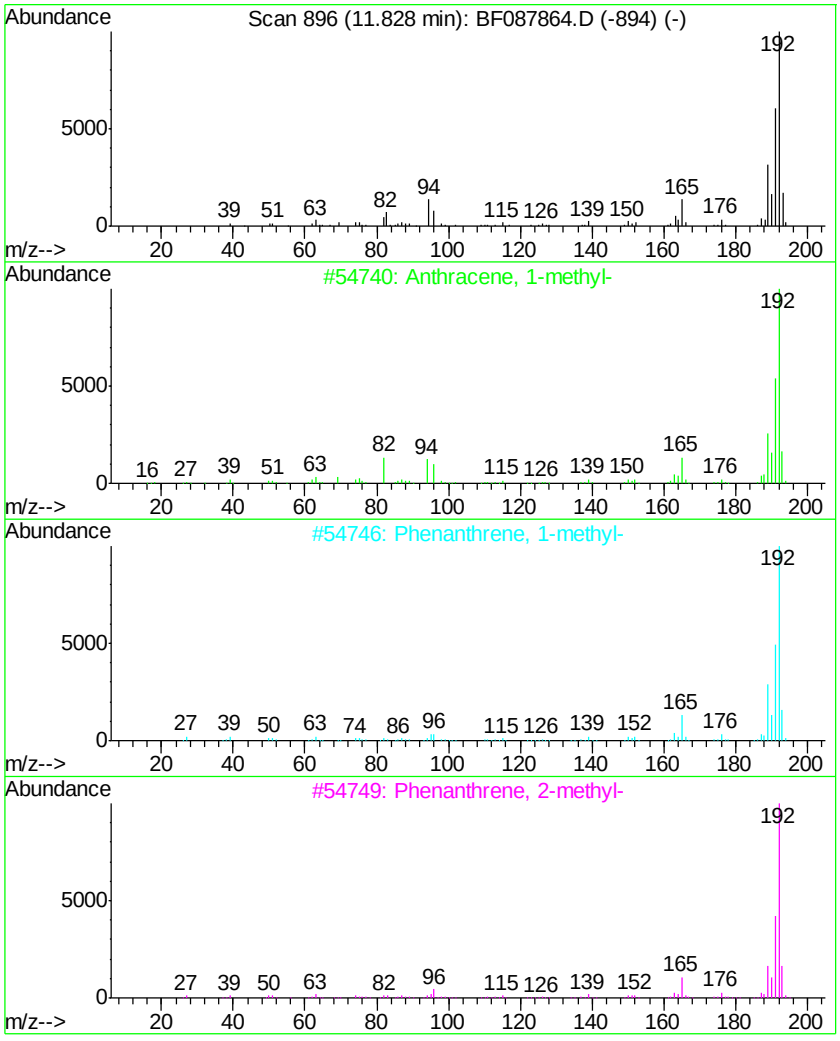
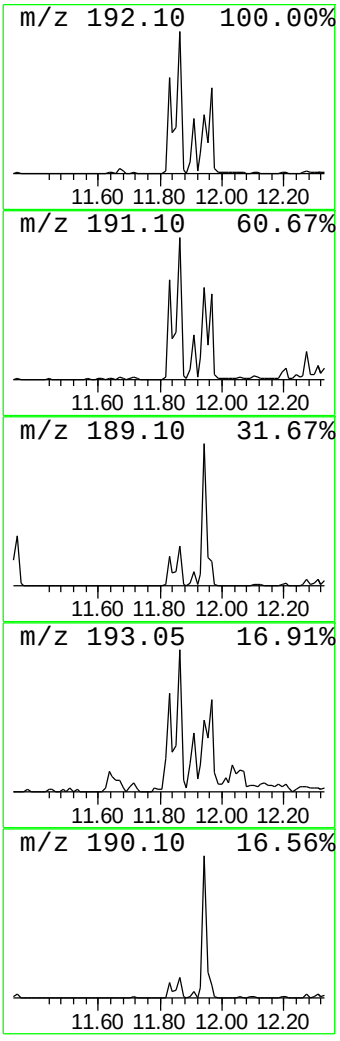
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	4.56 ng	258422	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087864.D
Acq On : 9 Jun 2016 20:50
Operator : UM/SJ
Sample : H3423-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3B(0.5-1.0)

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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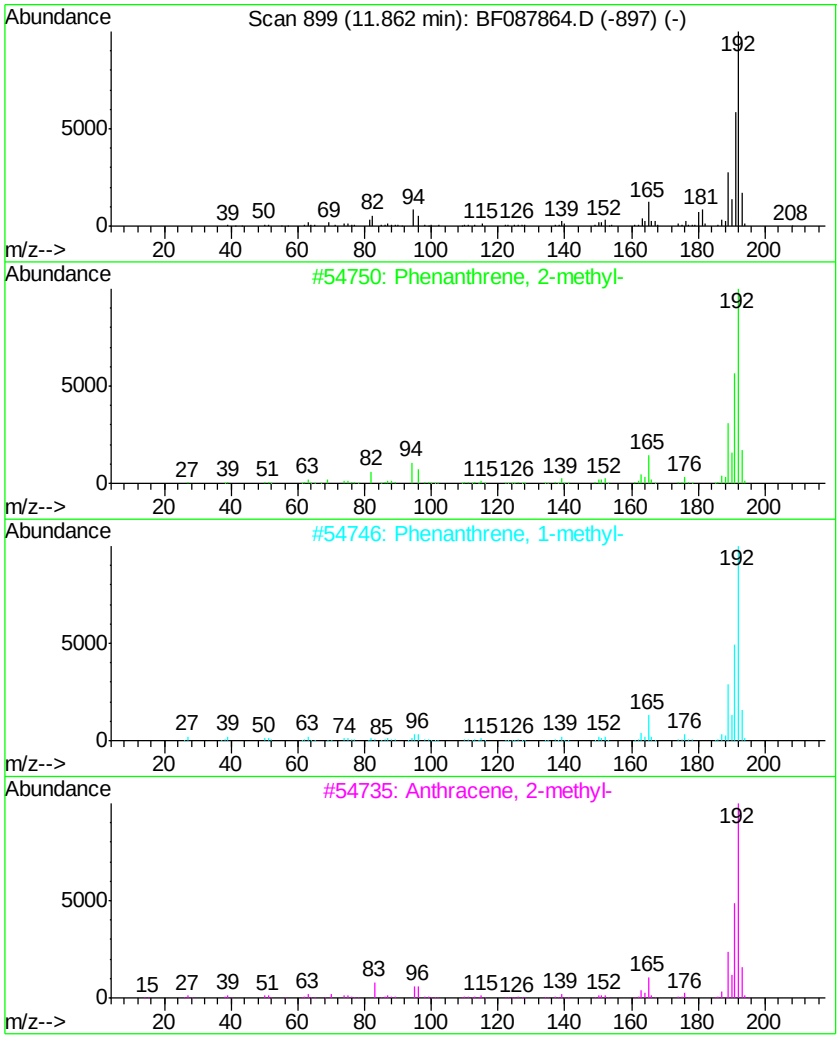
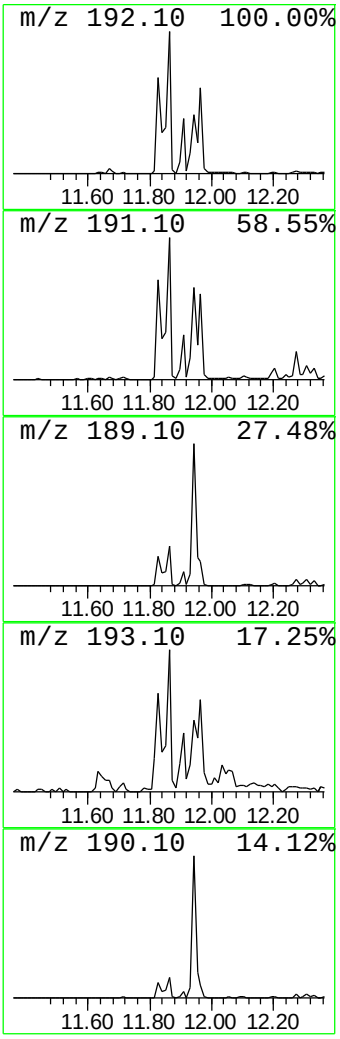
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.62 ng	375491	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Operator : UM/SJ
Sample : H3423-04 5X
Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

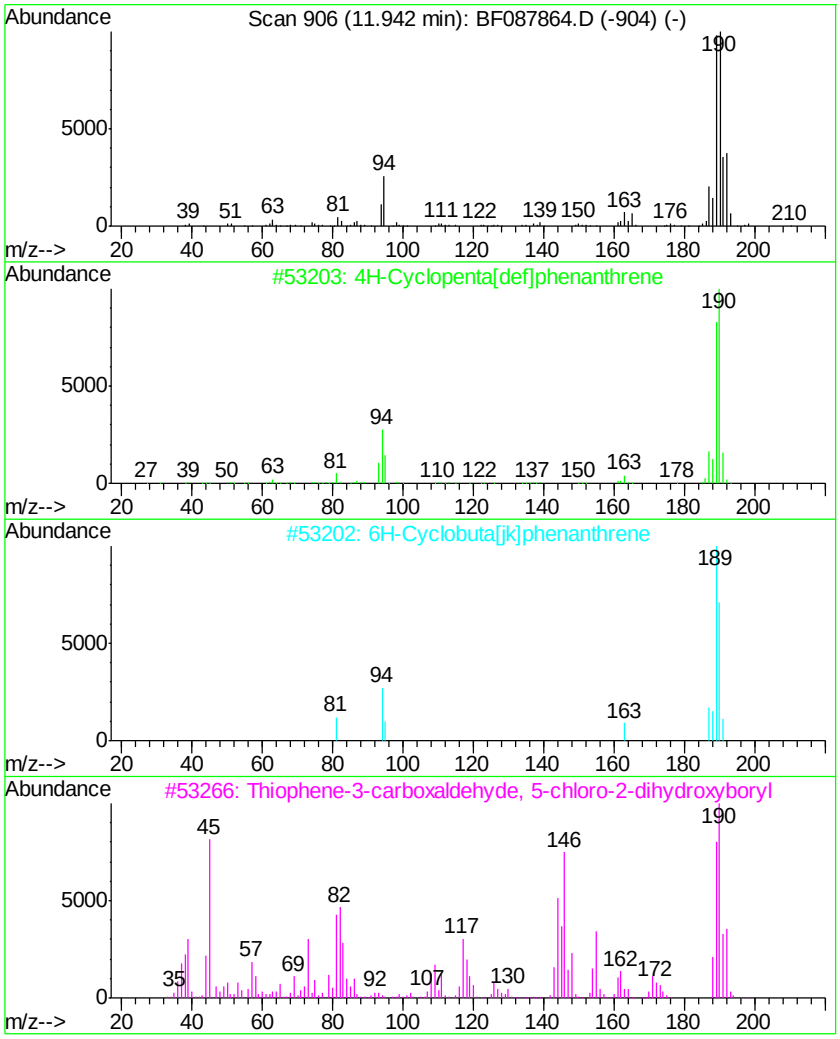
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

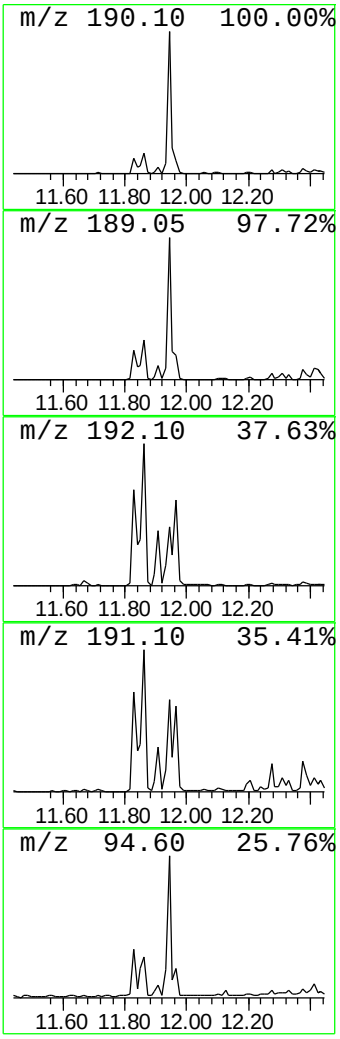
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	11.37 ng	644892	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

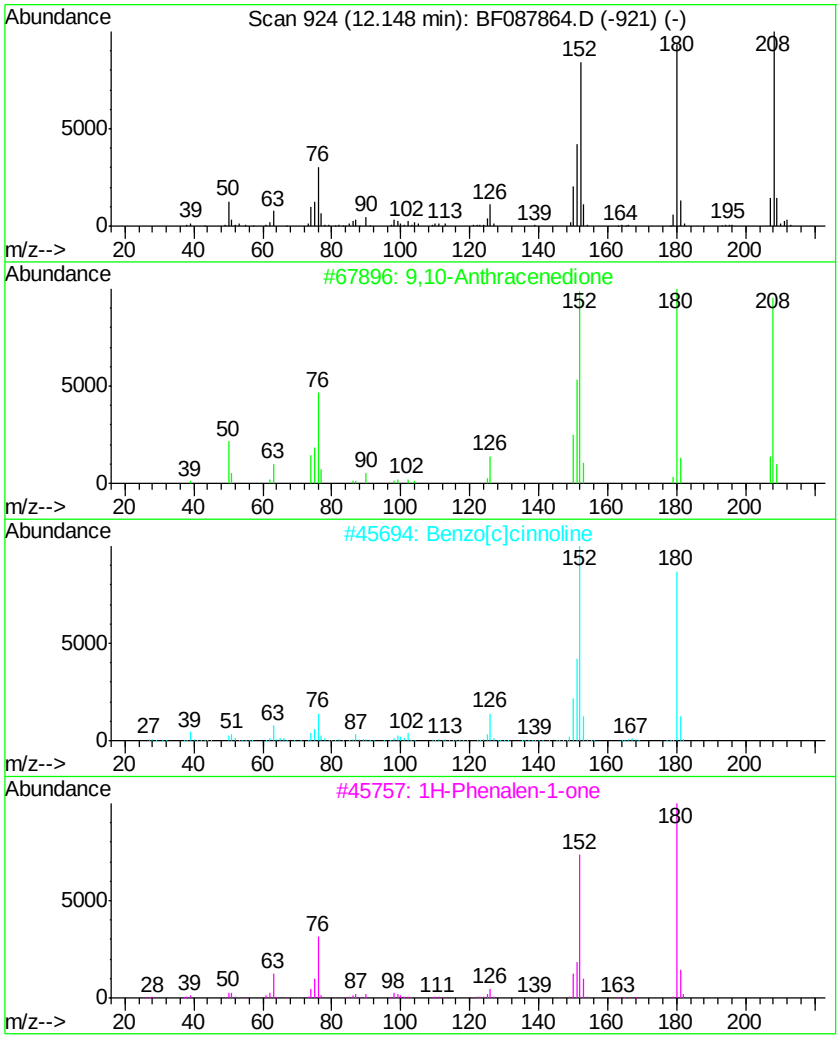
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

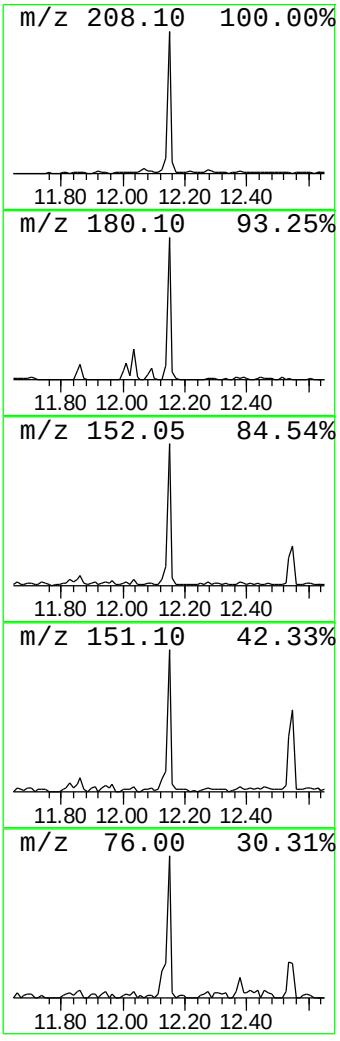
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	8.07 ng	457798	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60





Library Search Compound Report

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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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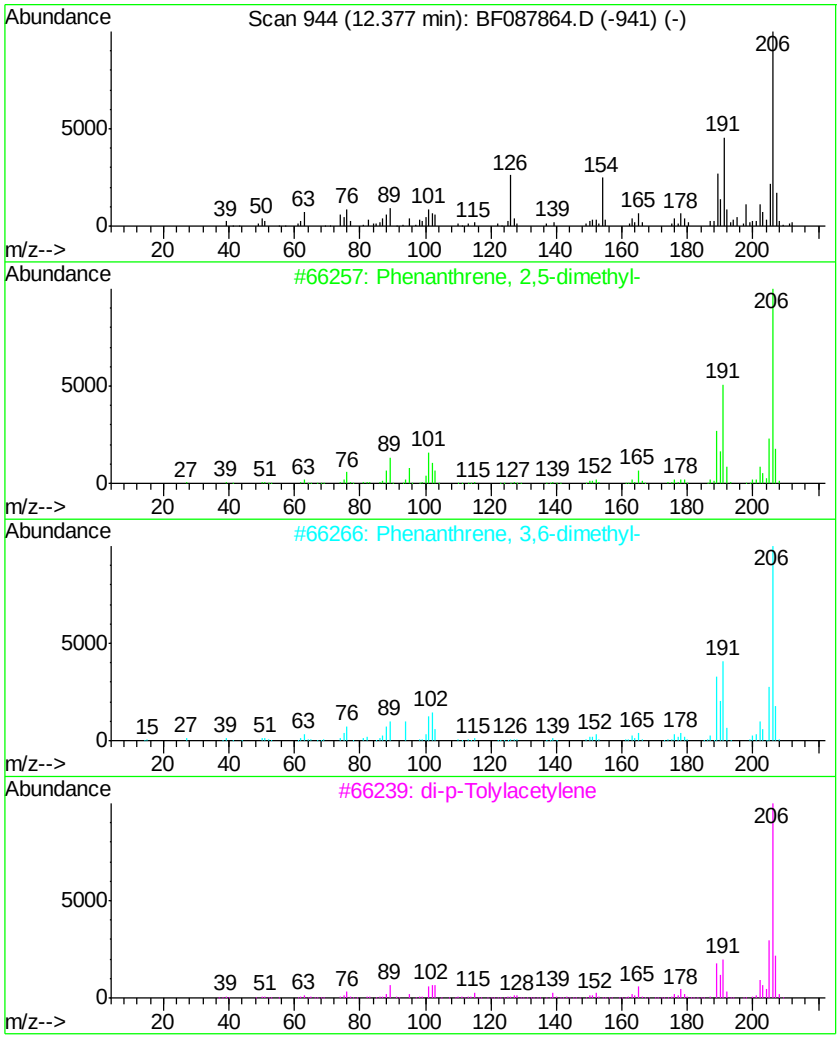
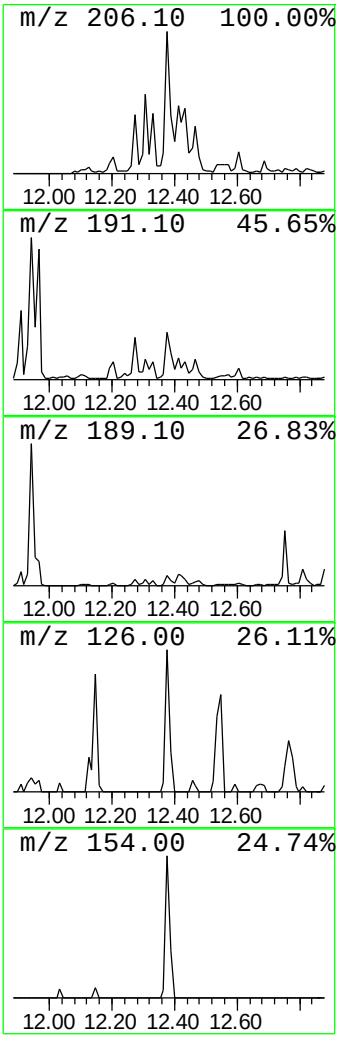
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	3.20 ng	181537	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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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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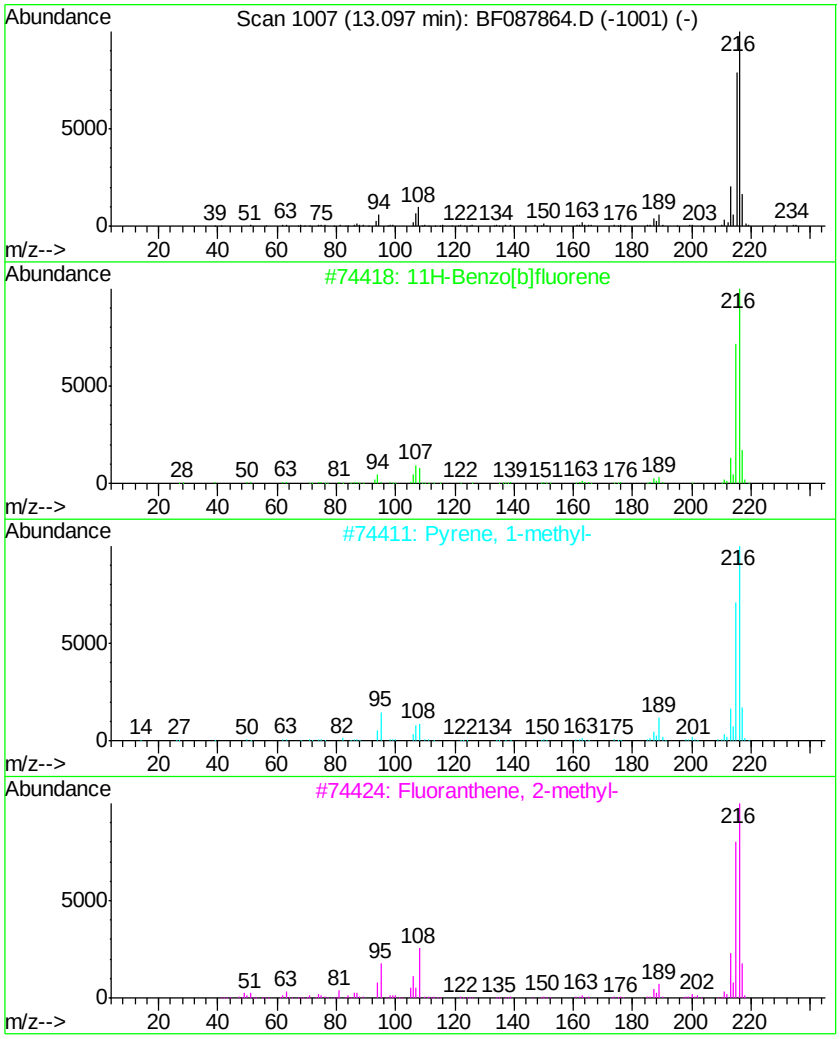
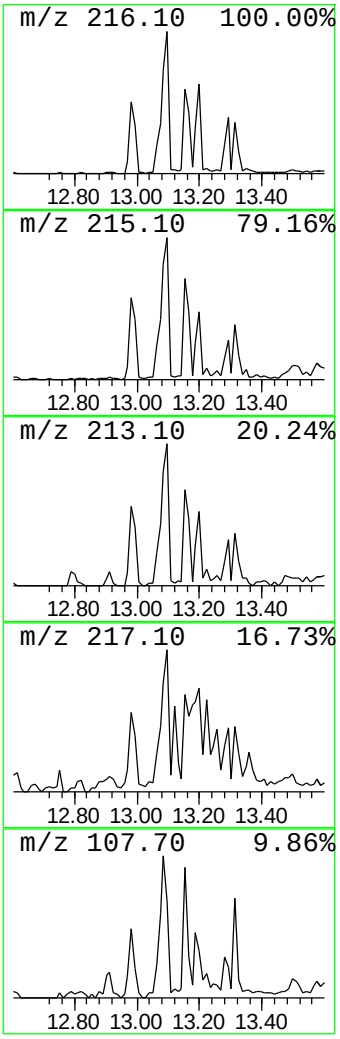
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	4.05 ng	506171	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	74





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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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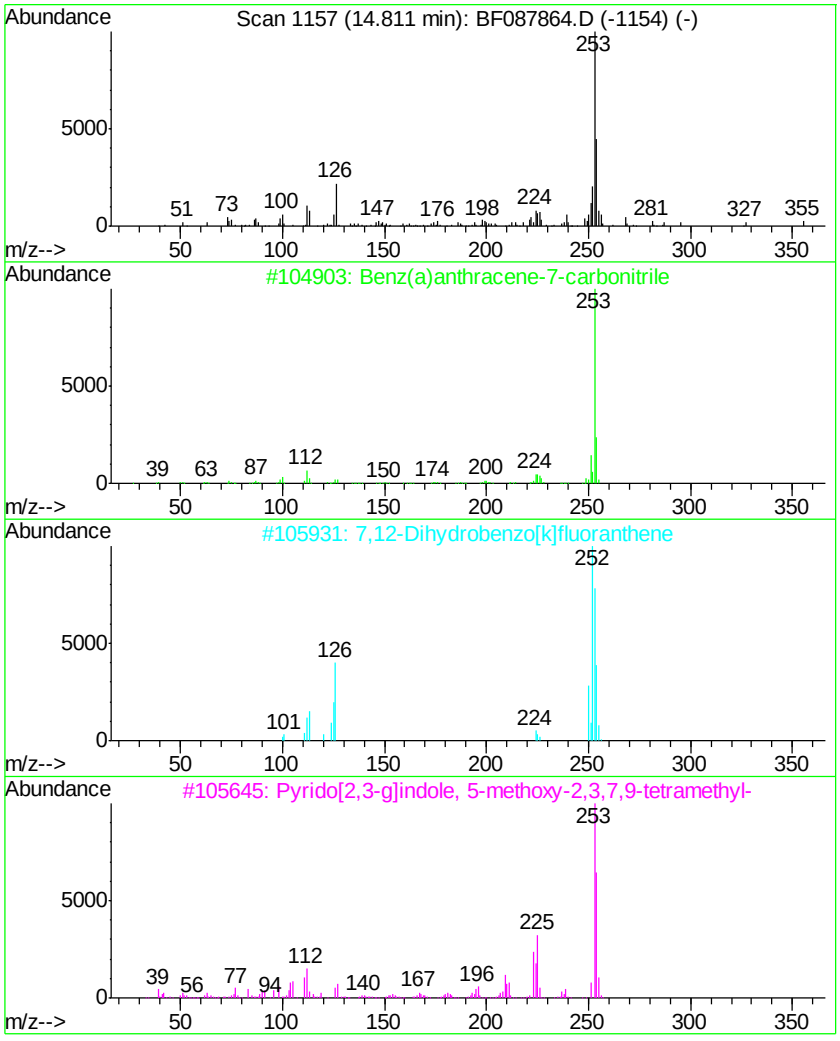
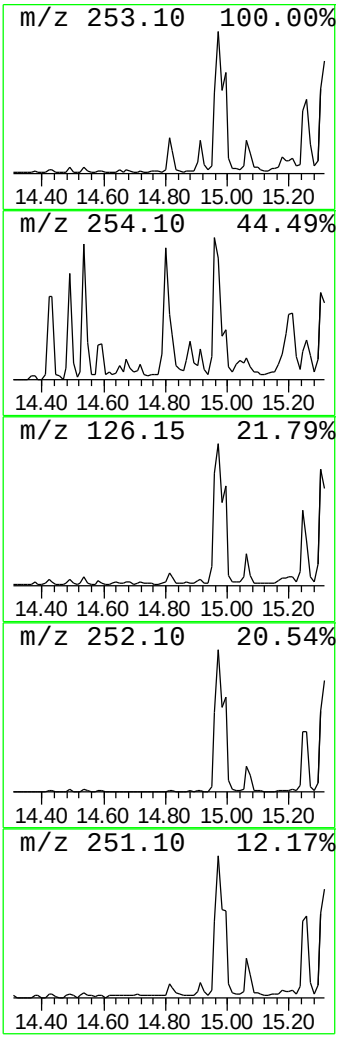
Peak Number 12 Benz(a)anthracene-7-carboni... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	5.70 ng	143646	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	53
3	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	52
4	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	47
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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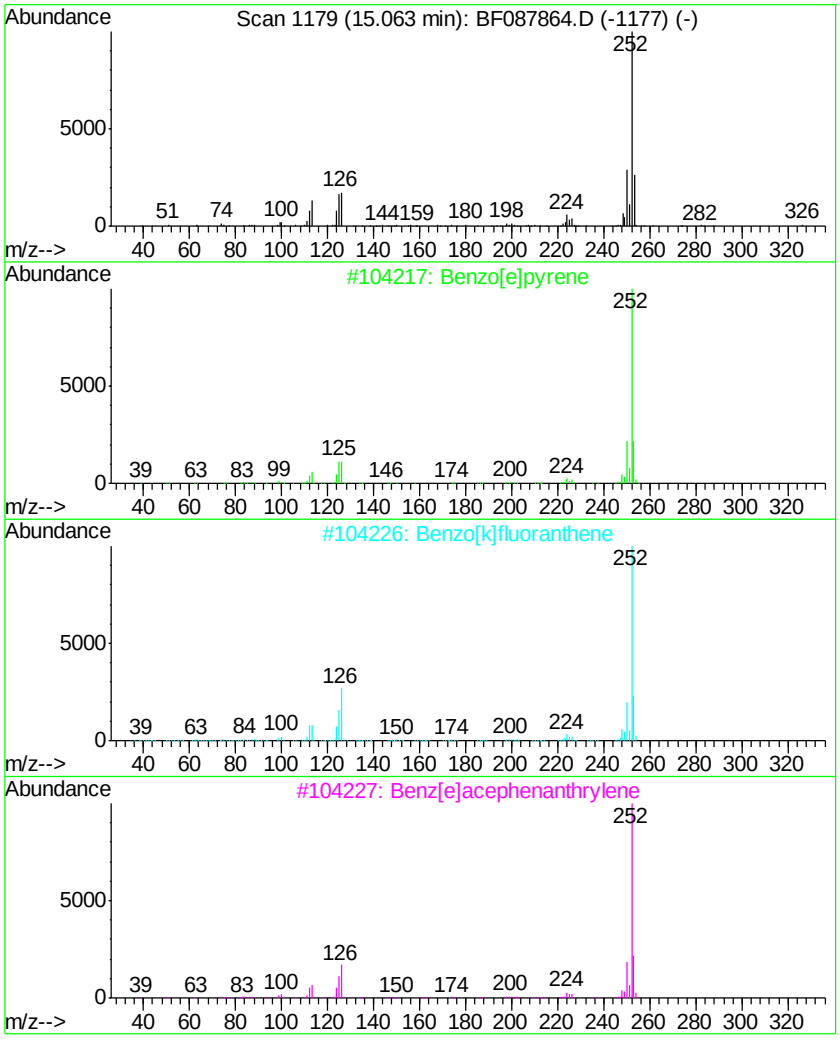
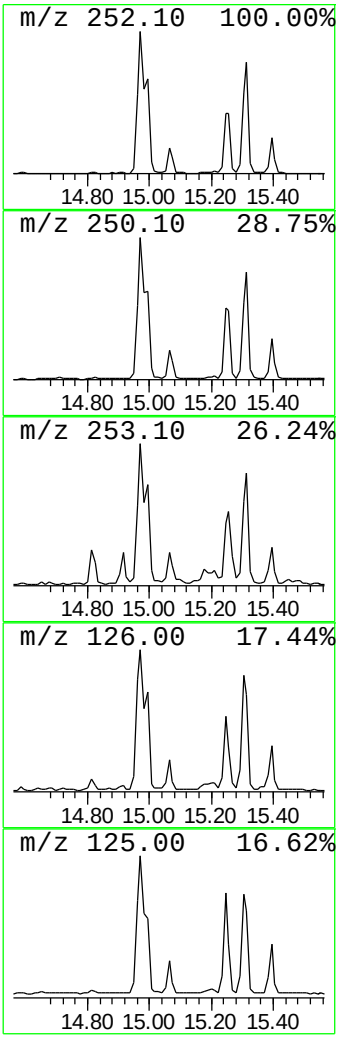
Peak Number 13 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	7.22 ng	182156	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Perylene	252	C20H12	000198-55-0	90





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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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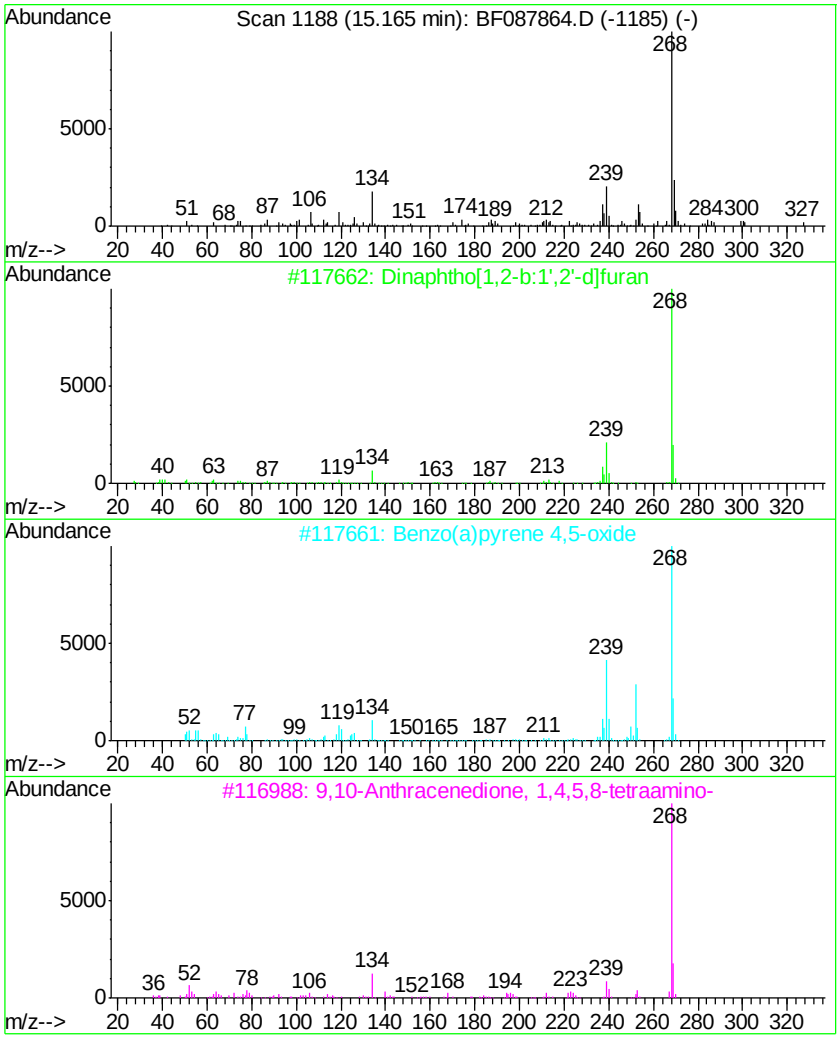
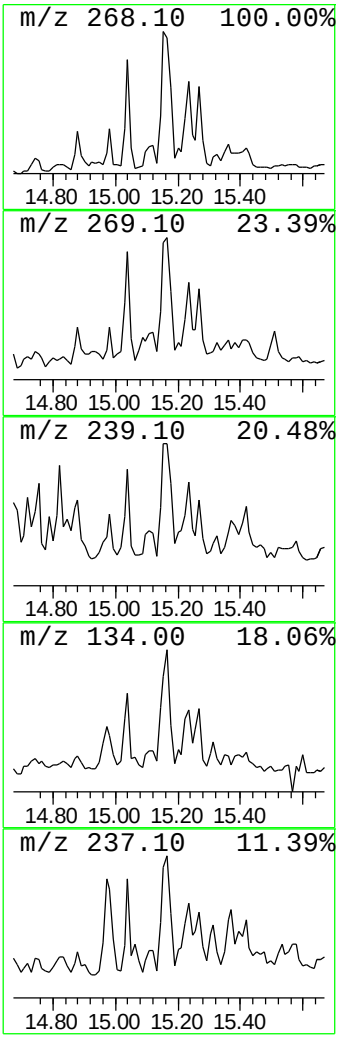
Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	5.08 ng	127987	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
3	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	64
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59





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

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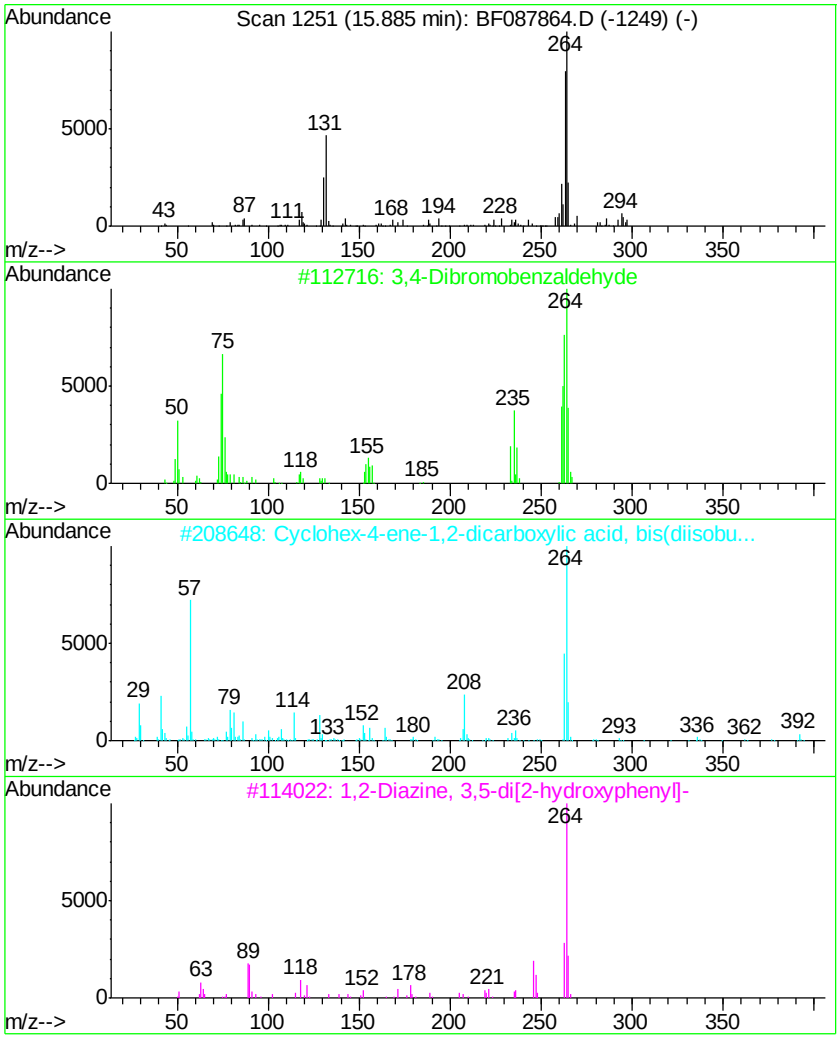
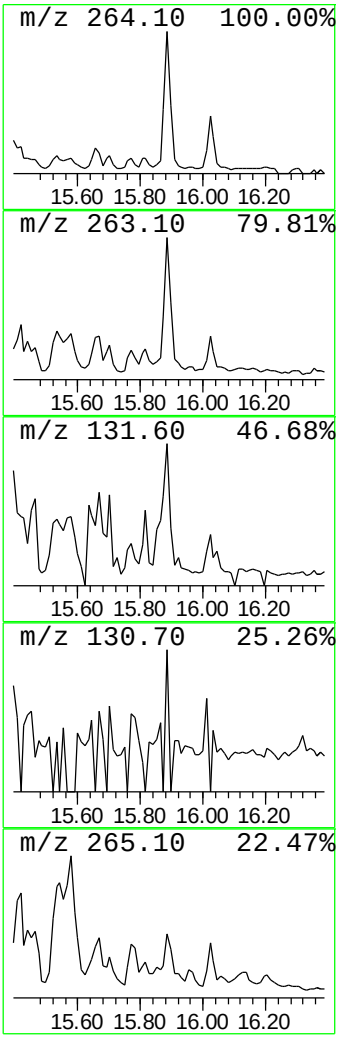
Peak Number 16 3,4-Dibromobenzaldehyde Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	3.15 ng	79468	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2	Cyclohex-4-ene-1,2-dicarboxylic ...	392	C24H44N2O2	1000187-42-7	32
3	1,2-Diazine, 3,5-di[2-hydroxyphe...	264	C16H12N2O2	122763-54-6	25
4	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	23
5	2,5-Bis(4-hydroxyphenyl)pyrimidine	264	C16H12N2O2	159488-83-2	22





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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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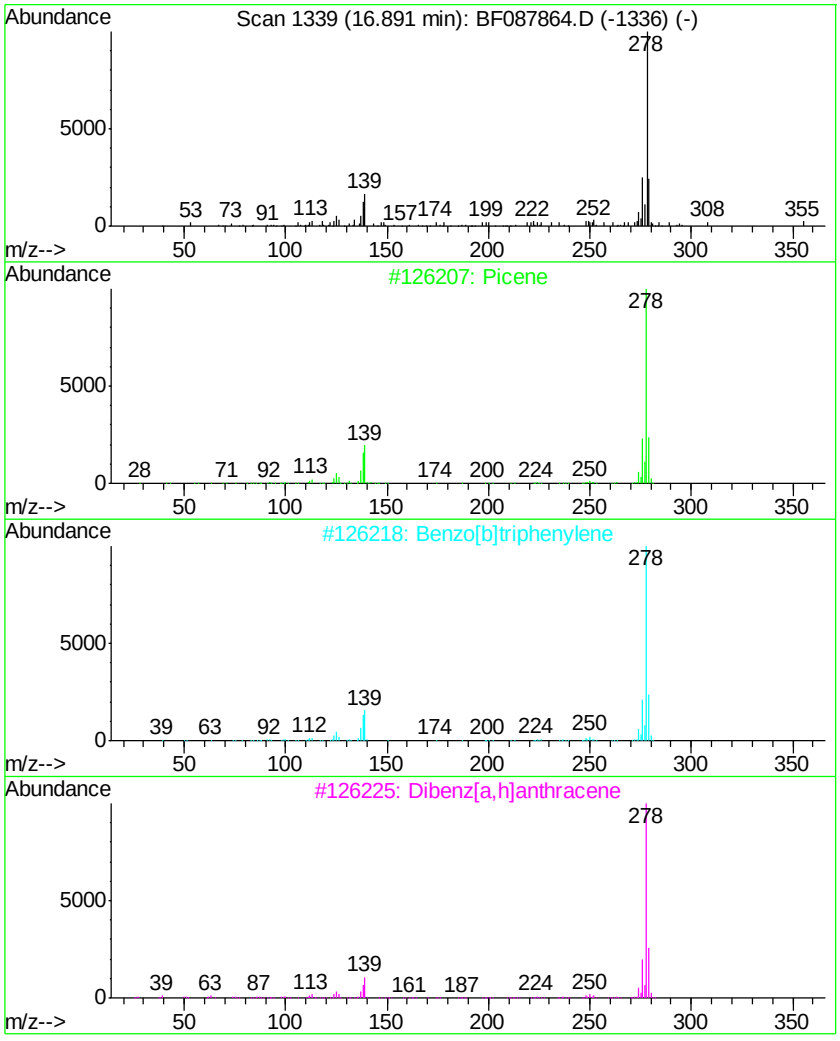
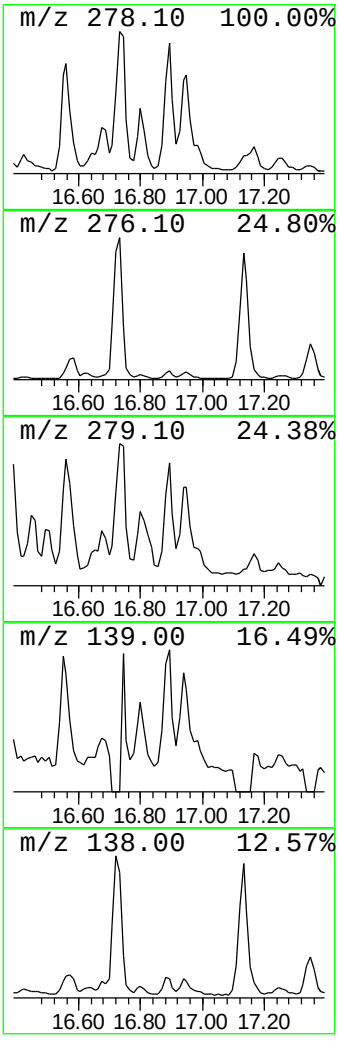
Peak Number 18 Picene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	3.81 ng	95952	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4	Pentaphene	278	C22H14	000222-93-5	90
5	Pentacene	278	C22H14	000135-48-8	89





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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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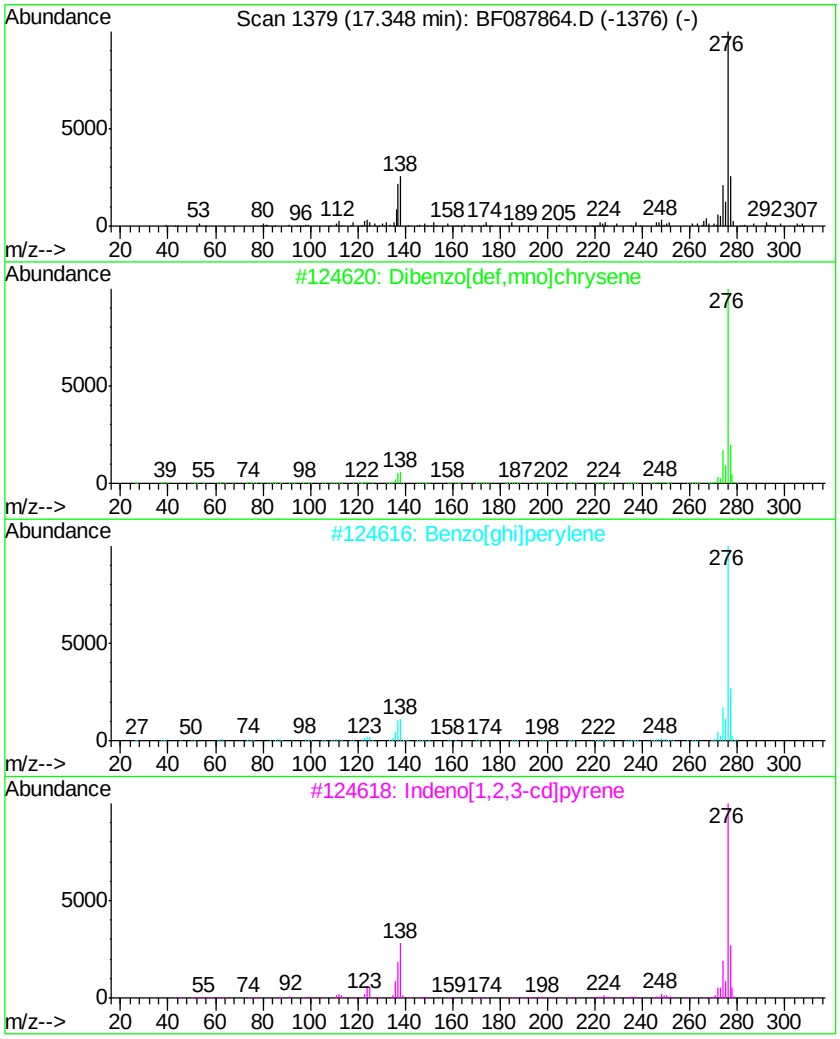
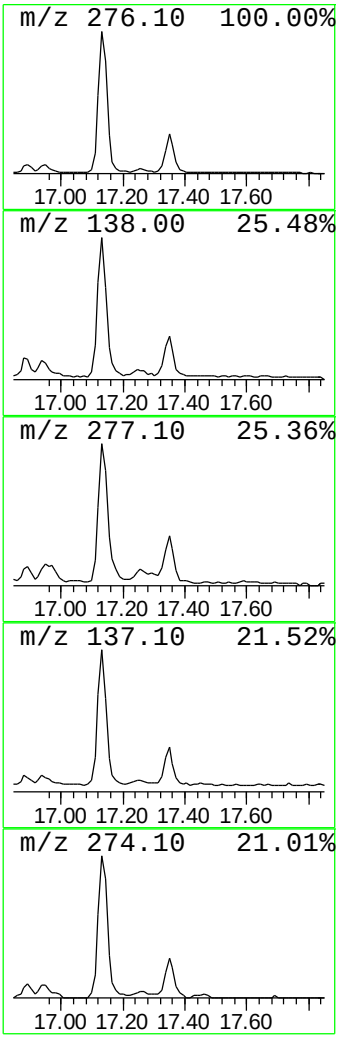
Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	3.93 ng	99171	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	49
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





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

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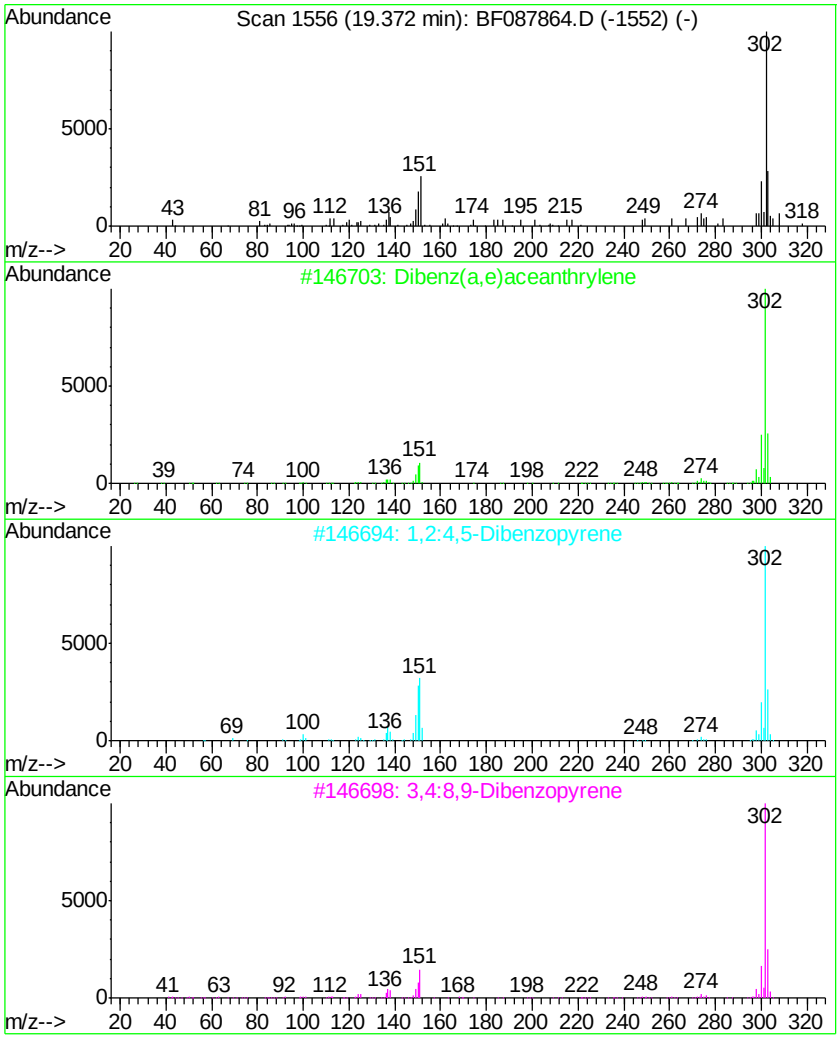
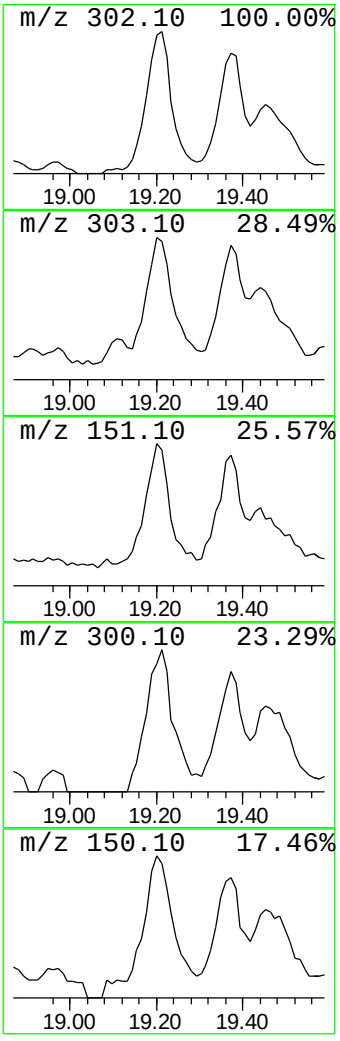
Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	3.63 ng	91429	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
4	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	92
5	Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	62





Tentatively Identified Compound (LSC) summary

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Sample : H3423-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3B(0.5-1.0)

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.58	6.58	17.9	ng	590719	1	6.82	660128	20.0
9H-Fluoren-9-one	11.13	3.2	ng	183006	4	11.34	1134430	20.0
Naphtho[2,3-b]thi...	11.22	3.5	ng	201467	4	11.34	1134430	20.0
Anthracene, 1-met...	11.83	4.6	ng	258422	4	11.34	1134430	20.0
Phenanthrene, 2-m...	11.86	6.6	ng	375491	4	11.34	1134430	20.0
4H-Cyclopenta[def...	11.94	11.4	ng	644892	4	11.34	1134430	20.0
9,10-Anthracenedione	12.15	8.1	ng	457798	4	11.34	1134430	20.0
Phenanthrene, 2,5...	12.38	3.2	ng	181537	4	11.34	1134430	20.0
11H-Benzo[b]fluorene	13.10	4.0	ng	506171	5	13.97	2502350	20.0
Benz(a)anthracene...	14.81	5.7	ng	143646	6	15.37	504338	20.0
Benzo[e]pyrene	15.06	7.2	ng	182156	6	15.37	504338	20.0
Dinaphtho[1,2-b:1...	15.17	5.1	ng	127987	6	15.37	504338	20.0
3,4-Dibromobenzal...	15.89	3.1	ng	79468	6	15.37	504338	20.0
Picene	16.89	3.8	ng	95952	6	15.37	504338	20.0
Dibenzo[def,mno]c...	17.35	3.9	ng	99171	6	15.37	504338	20.0
Dibenz(a,e)aceant...	19.37	3.6	ng	91429	6	15.37	504338	20.0