LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
Data File : BF090945.D
Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(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-BF102616.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	2.315	16	20	27	rBV4	10776	56998	1.29%	0.094%
2	4.910	244	247	255	rBV	552586	844496	19.13%	1.392%
3	5.344	283	285	287	rBV	3207040	3256873	73.78%	5.367%
4	5.561	302	304	309	rBV	39398	61694	1.40%	0.102%
5	6.396	374	377	379	rBV	3036022	3285694	74.44%	5.414%
6	6.522	385	388	390	rBV	2621911	3694976	83.71%	6.088%
7	6.579	390	393	396	rVB2	55911	97143	2.20%	0.160%
8	6.750	405	408	410	rBV	695321	810998	18.37%	1.336%
9	6.899	419	421	424	rBV	2345489	2551633	57.81%	4.204%
10	7.013	428	431	435	rVB	54984	94221	2.13%	0.155%
11	7.310	455	457	460	rBV	1738066	2036807	46.14%	3.356%
12	7.356	460	461	464	rVB2	52670	63228	1.43%	0.104%
13	7.790	497	499	500	rBV2	39078	54292	1.23%	0.089%
14	8.030	518	520	525	rBV2	1305614	1474990	33.42%	2.430%
15	8.636	571	573	574	rBV	50418	50706	1.15%	0.084%
16	8.682	574	577	580	rVB2	32763	55950	1.27%	0.092%
17	8.750	580	583	585	rBV	67692	75681	1.71%	0.125%
18	8.842	590	591	594	rVB	65367	57003	1.29%	0.094%
19	9.116	612	615	617	rBV	4236342	4414022	100.00%	7.273%
20	9.196	620	622	627	rVV	84871	108950	2.47%	0.180%
21	9.448	642	644	647	rBV2	56927	92724	2.10%	0.153%
22	9.505	647	649	652	rBV2	718282	817565	18.52%	1.347%
23	9.642	659	661	664	rBV	704208	690822	15.65%	1.138%
24	9.722	667	668	671	rBV	63707	72205	1.64%	0.119%
25	9.779	671	673	675	rBV	844017	1166407	26.43%	1.922%
26	9.813	675	676	681	rVB	41072	58267	1.32%	0.096%
27	9.950	685	688	689	rBV2	37024	59790	1.35%	0.099%
28	10.099	699	701	704	rBV	69612	117771	2.67%	0.194%
29	10.191	707	709	710	rBV2	35530	51380	1.16%	0.085%
30	10.236	710	713	715	rVV2	169387	229947	5.21%	0.379%
31	10.305	716	719	720	rVB	82335	85608	1.94%	0.141%
32	10.339	720	722	725	rBV	84573	116876	2.65%	0.193%
33	10.442	728	731	734	rBV2	138903	234045	5.30%	0.386%
34	10.511	734	737	740	rVB3	54949	94621	2.14%	0.156%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
Data File : BF090945.D
Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(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-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.579	740	743	745	rBV2	1798360	2208368	50.03%	3.639%
36	10.693	751	753	757	rVB3	291774	517338	11.72%	0.852%
37	10.785	759	761	763	rBV3	29038	53218	1.21%	0.088%
38	10.888	767	770	772	rBV3	38251	91778	2.08%	0.151%
39	11.025	780	782	784	rBV2	104080	111466	2.53%	0.184%
40	11.071	784	786	788	rBV2	72331	73431	1.66%	0.121%
41	11.139	791	792	794	rBV	124933	165881	3.76%	0.273%
42	11.265	801	803	804	rBV	1310252	1125160	25.49%	1.854%
43	11.345	808	810	812	rVV	298828	346482	7.85%	0.571%
44	11.379	812	813	815	rVB2	70373	67430	1.53%	0.111%
45	11.425	815	817	821	rBV4	36627	86200	1.95%	0.142%
46	11.505	822	824	825	rBV	60388	53511	1.21%	0.088%
47	11.573	828	830	831	rVB2	85961	74941	1.70%	0.123%
48	11.768	845	847	848	rBV	103520	93720	2.12%	0.154%
49	11.791	848	849	852	rVB2	113928	137046	3.10%	0.226%
50	11.848	852	854	855	rBV	98645	161731	3.66%	0.266%
51	11.882	855	857	861	rVB	192729	333279	7.55%	0.549%
52	11.996	861	867	870	rBV6	70457	242966	5.50%	0.400%
53	12.088	874	875	878	rVB3	91970	101685	2.30%	0.168%
54	12.248	887	889	892	rVB4	94788	156215	3.54%	0.257%
55	12.316	893	895	897	rVV	248024	274037	6.21%	0.452%
56	12.351	897	898	901	rVV3	127261	217295	4.92%	0.358%
57	12.396	901	902	905	rVV	188301	260549	5.90%	0.429%
58	12.476	907	909	911	rBV	1193009	1168910	26.48%	1.926%
59	12.522	911	913	916	rVV3	96404	230945	5.23%	0.381%
60	12.568	916	917	919	rVV	219823	243809	5.52%	0.402%
61	12.625	919	922	923	rVV3	91667	198861	4.51%	0.328%
62	12.705	926	929	931	rVV	1781898	1842591	41.74%	3.036%
63	12.762	933	934	936	rVV	147121	167329	3.79%	0.276%
64	12.854	940	942	945	rVV	3492964	3295523	74.66%	5.430%
65	12.922	946	948	952	rVV4	282063	507596	11.50%	0.836%
66	13.014	954	956	960	rVV2	286541	711075	16.11%	1.172%
67	13.105	962	964	965	rVV2	120436	185206	4.20%	0.305%
68	13.139	965	967	969	rVV	455695	521844	11.82%	0.860%
69	13.231	971	975	976	rVV	493679	677642	15.35%	1.117%
70	13.265	976	978	980	rVV	342805	499625	11.32%	0.823%
71	13.299	980	981	983	rVV2	88004	99692	2.26%	0.164%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
Data File : BF090945.D
Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(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-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.345	983	985	987	rVV3	105619	170327	3.86%	0.281%
73	13.402	988	990	991	rVV	114641	129224	2.93%	0.213%
74	13.437	991	993	996	rVV3	103697	215424	4.88%	0.355%
75	13.482	996	997	998	rVV	136411	102351	2.32%	0.169%
76	13.539	998	1002	1006	rVV2	218906	386904	8.77%	0.638%
77	13.642	1009	1011	1015	rBV4	206882	551229	12.49%	0.908%
78	13.757	1019	1021	1023	rBV	253677	273317	6.19%	0.450%
79	13.894	1030	1033	1040	rBV2	1206409	2994673	67.84%	4.935%
80	14.008	1040	1043	1044	rBV2	104727	186886	4.23%	0.308%
81	14.042	1044	1046	1047	rBV2	75496	120720	2.73%	0.199%
82	14.214	1060	1061	1063	rVB2	117154	136733	3.10%	0.225%
83	14.294	1065	1068	1069	rBV	348826	422312	9.57%	0.696%
84	14.328	1069	1071	1072	rVB	158443	205014	4.64%	0.338%
85	14.385	1072	1076	1077	rBV4	231621	456920	10.35%	0.753%
86	14.488	1083	1085	1088	rVB3	165523	254342	5.76%	0.419%
87	14.671	1099	1101	1102	rBV2	106727	141787	3.21%	0.234%
88	14.694	1102	1103	1105	rVB2	137591	176046	3.99%	0.290%
89	14.922	1120	1123	1129	rBV	1102060	2477858	56.14%	4.083%
90	15.014	1129	1131	1133	rVV	350474	370195	8.39%	0.610%
91	15.197	1144	1147	1149	rVB	791058	1028286	23.30%	1.694%
92	15.254	1149	1152	1154	rBV	1299349	1631789	36.97%	2.689%
93	15.311	1154	1157	1158	rBV	623770	771157	17.47%	1.271%
94	15.825	1200	1202	1206	rVB4	119525	230838	5.23%	0.380%
95	16.648	1270	1274	1278	rVB	499095	952730	21.58%	1.570%
96	16.808	1285	1288	1290	rBV	95537	192589	4.36%	0.317%
97	16.854	1290	1292	1295	rVV2	89577	170400	3.86%	0.281%
98	17.048	1305	1309	1317	rVB	472309	989530	22.42%	1.631%
99	17.265	1325	1328	1335	rVB2	76844	227339	5.15%	0.375%
100	19.083	1483	1487	1495	rVB2	101832	382489	8.67%	0.630%

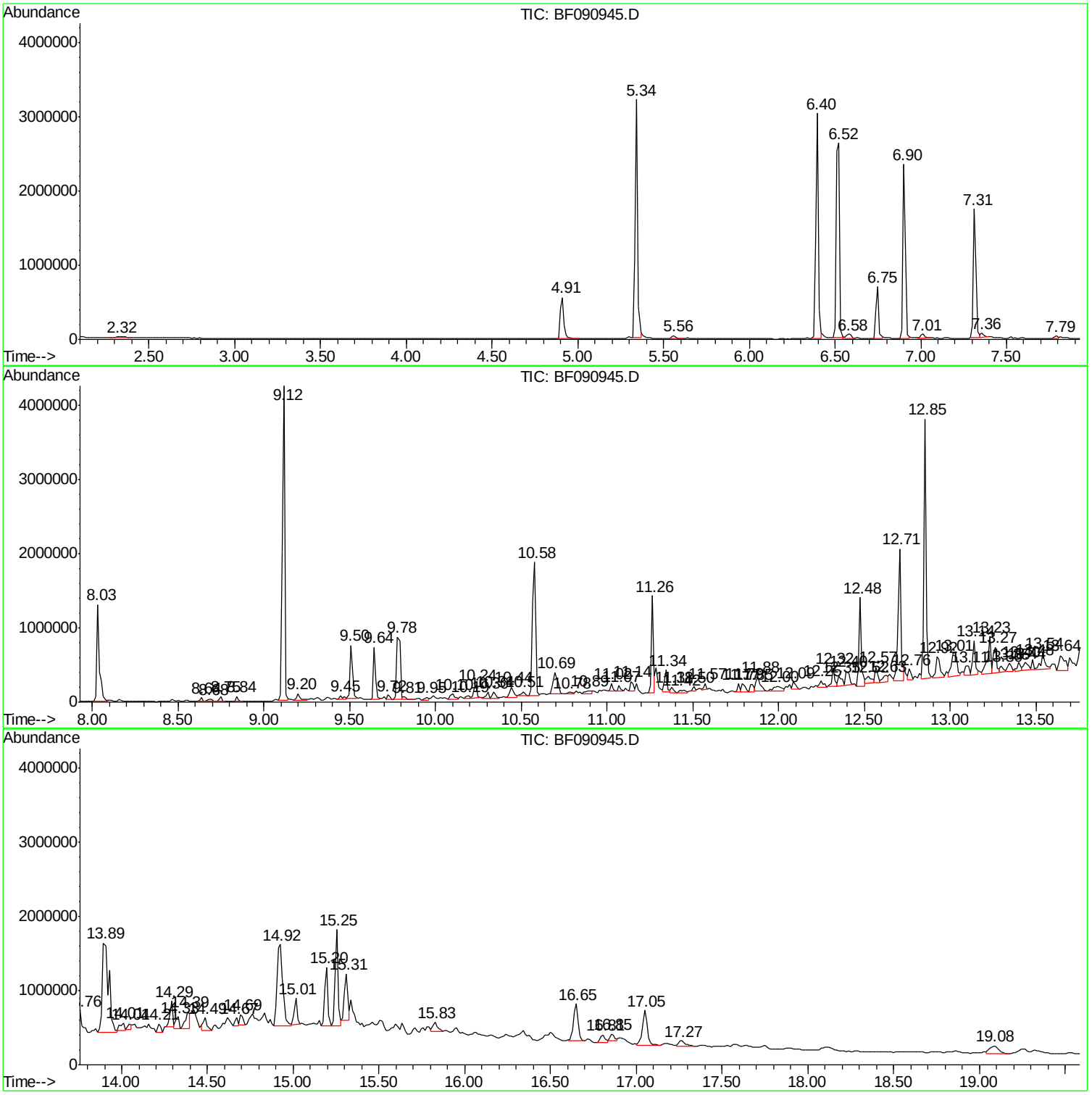
Sum of corrected areas: 60688167

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
Data File : BF090945.D
Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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\BF103116\
Data File : BF090945.D
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Sample : H5463-07
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

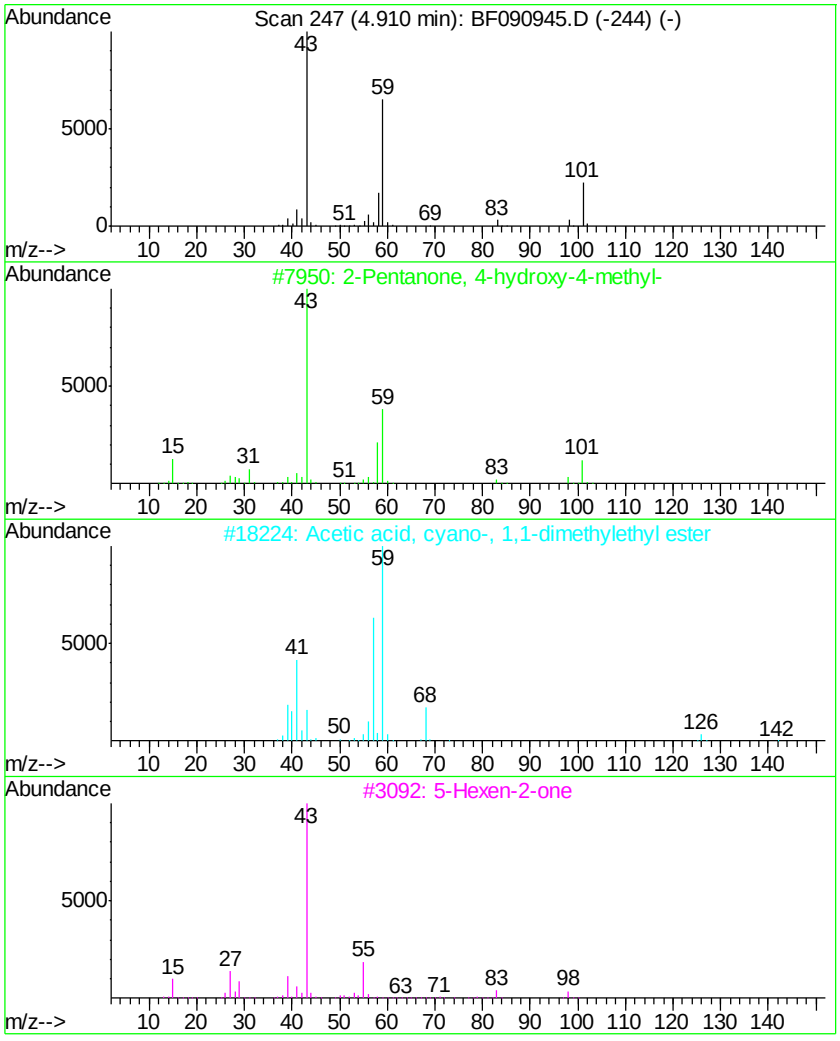
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

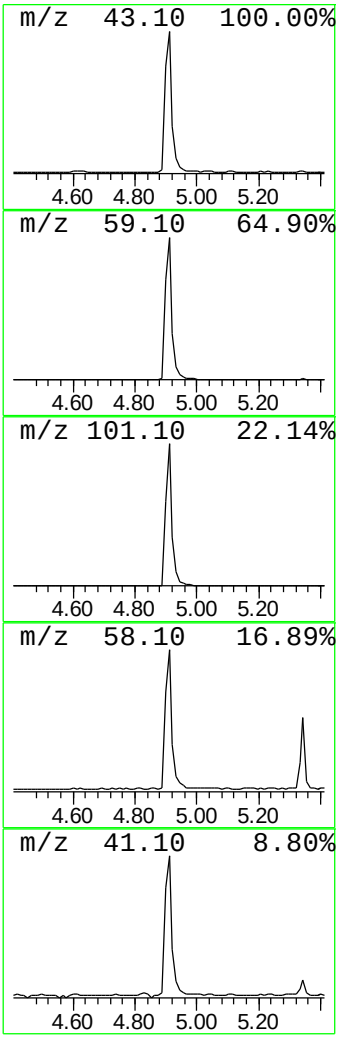
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.91	20.83 ng	844496	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
Data File : BF090945.D
Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

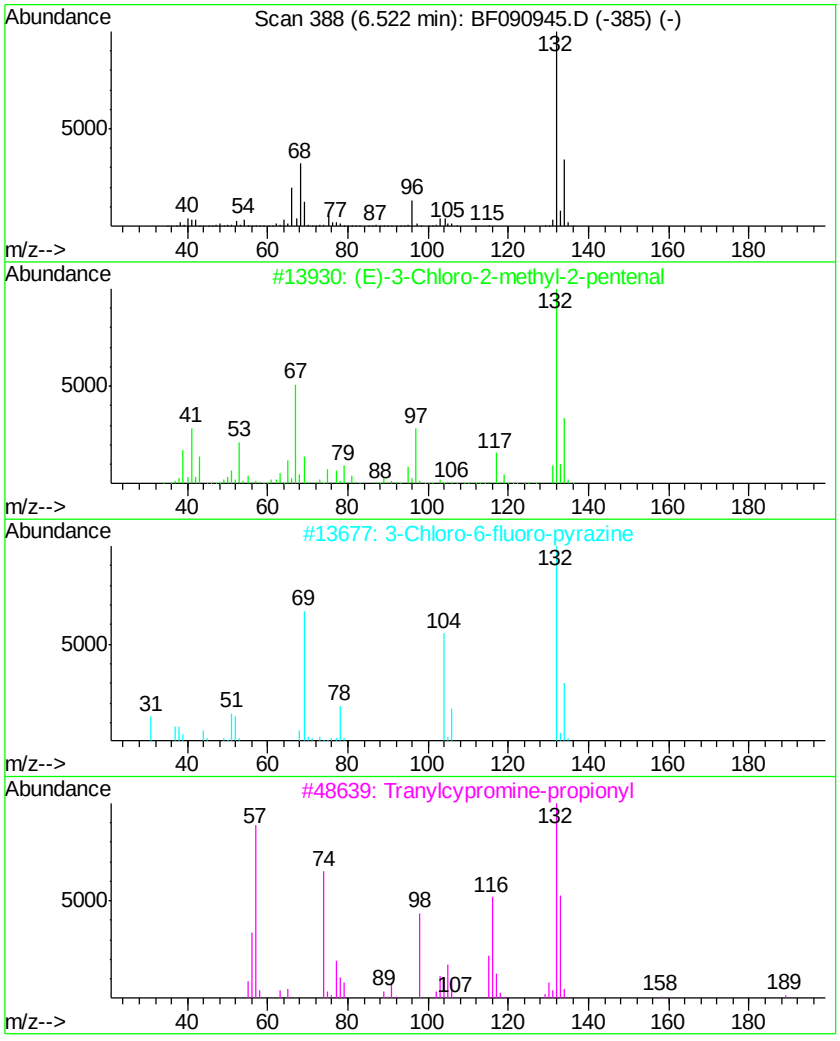
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

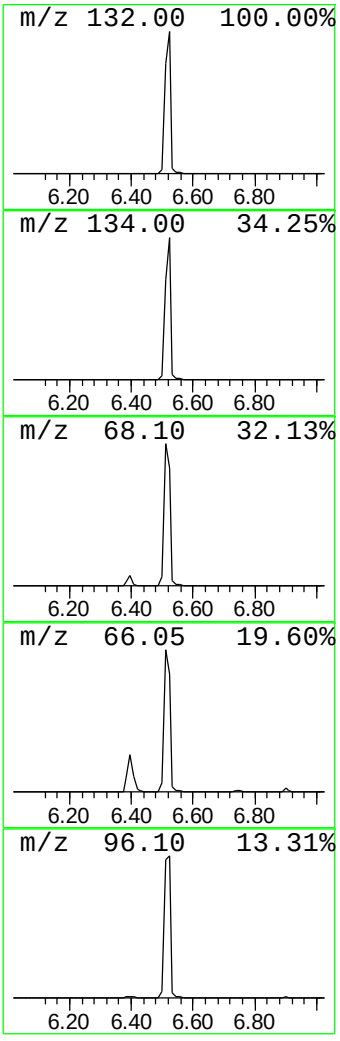
****

Peak Number 2 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	91.12 ng	3694980	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
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Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

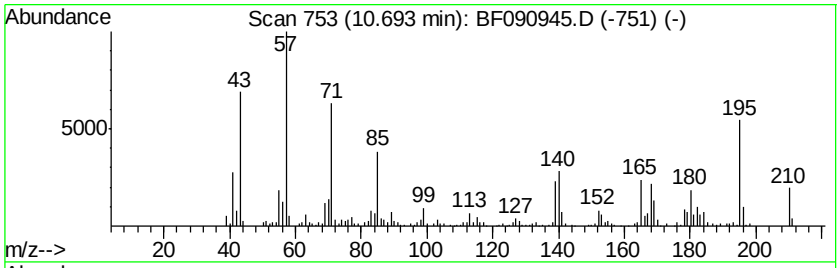
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

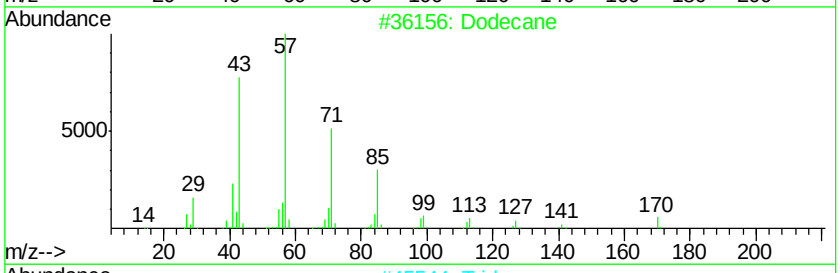
****

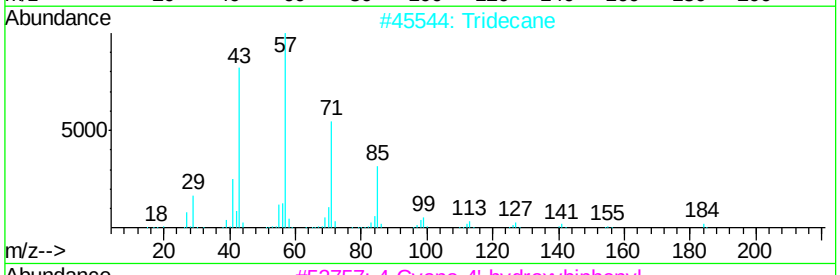
Peak Number 5 unknown10.69 Concentration Rank 7

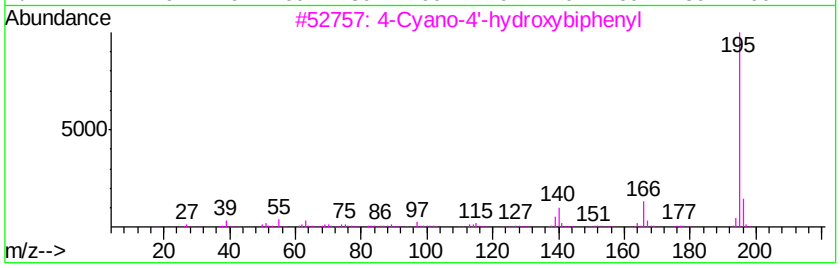
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	9.20 ng	517338	Phenanthrene-d10	11.26

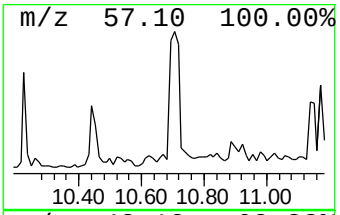
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	38
2	Tridecane	184	C13H28	000629-50-5	30
3	4-Cyano-4'-hydroxybiphenyl	195	C13H9NO	019812-93-2	30
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	30
5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	30

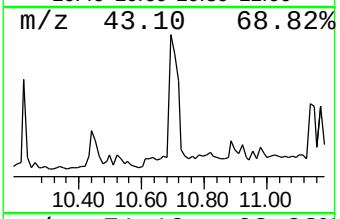


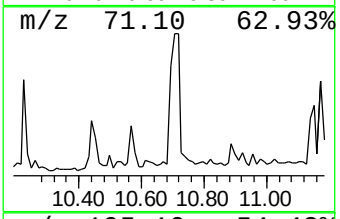


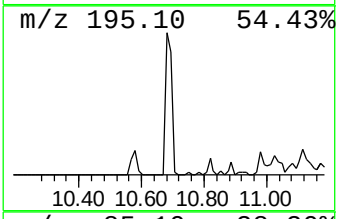


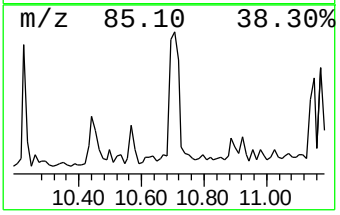












Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
Data File : BF090945.D
Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

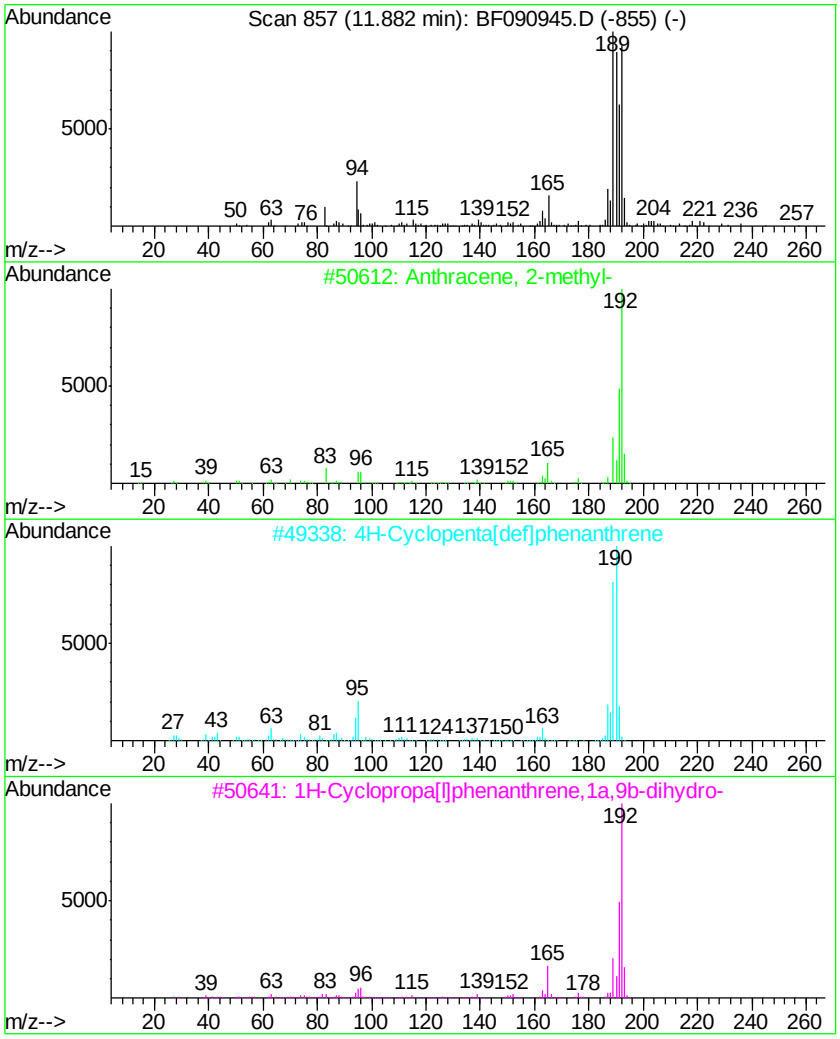
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

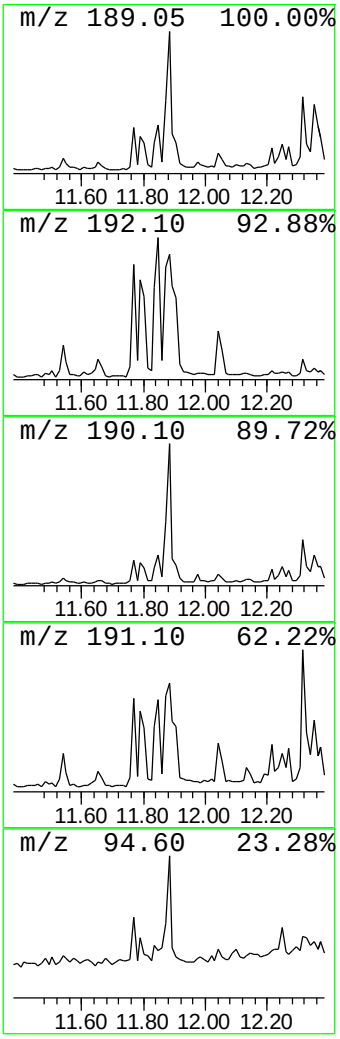
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	5.92 ng	333279	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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Data File : BF090945.D
Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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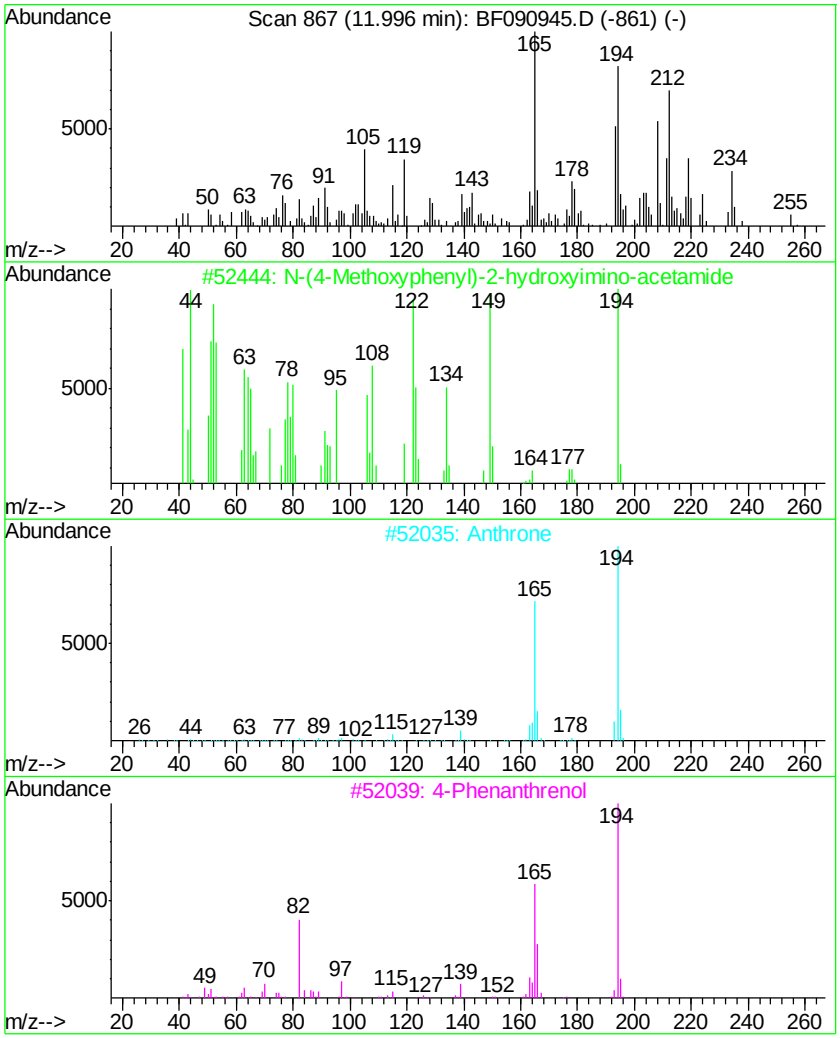
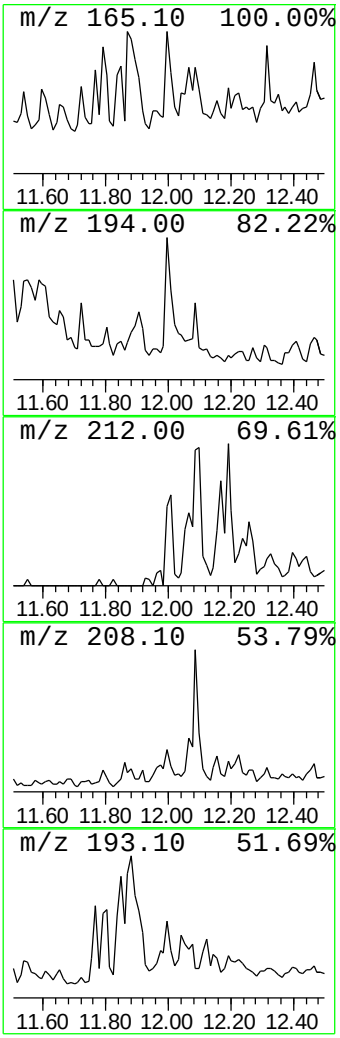
Peak Number 7 N-(4-Methoxyphenyl)-2-hydro... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.32 ng	242966	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(4-Methoxyphenyl)-2-hydroxyimi...	194	C9H10N2O3	1000143-61-3	56
2	Anthrone	194	C14H10O	000090-44-8	52
3	4-Phenanthrenol	194	C14H10O	007651-86-7	41
4	3-Phenyl-benzofuran	194	C14H10O	029909-72-6	41
5	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	41





Library Search Compound Report

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Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

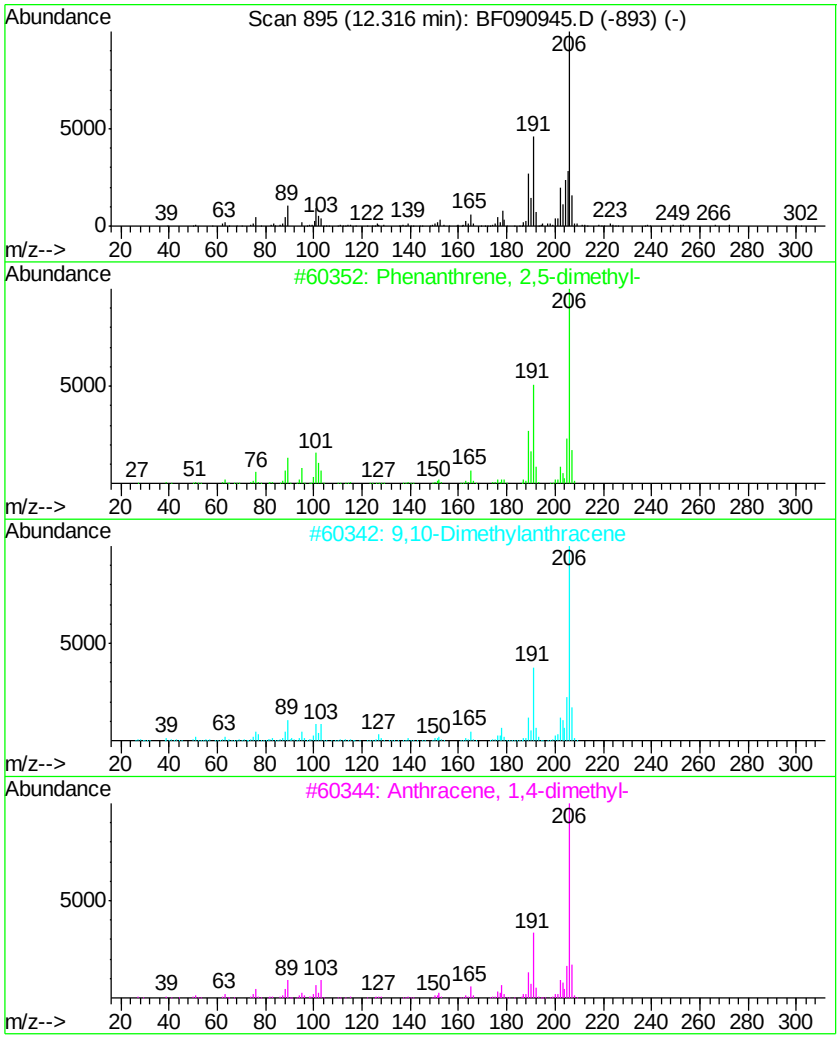
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

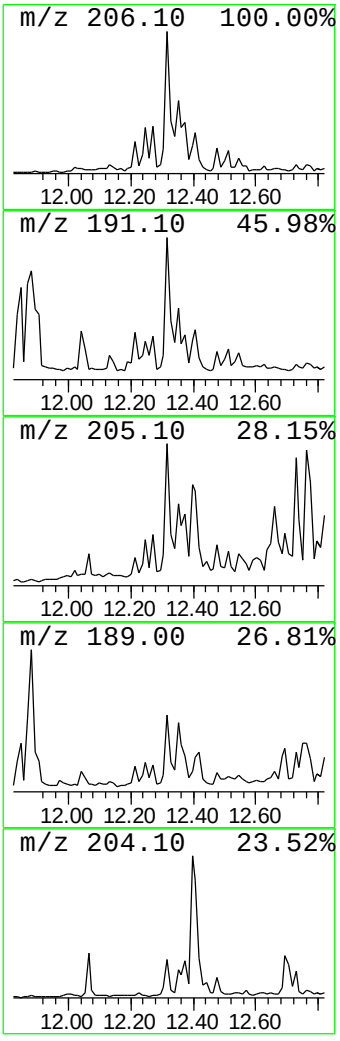
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	4.87 ng	274037	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	76





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Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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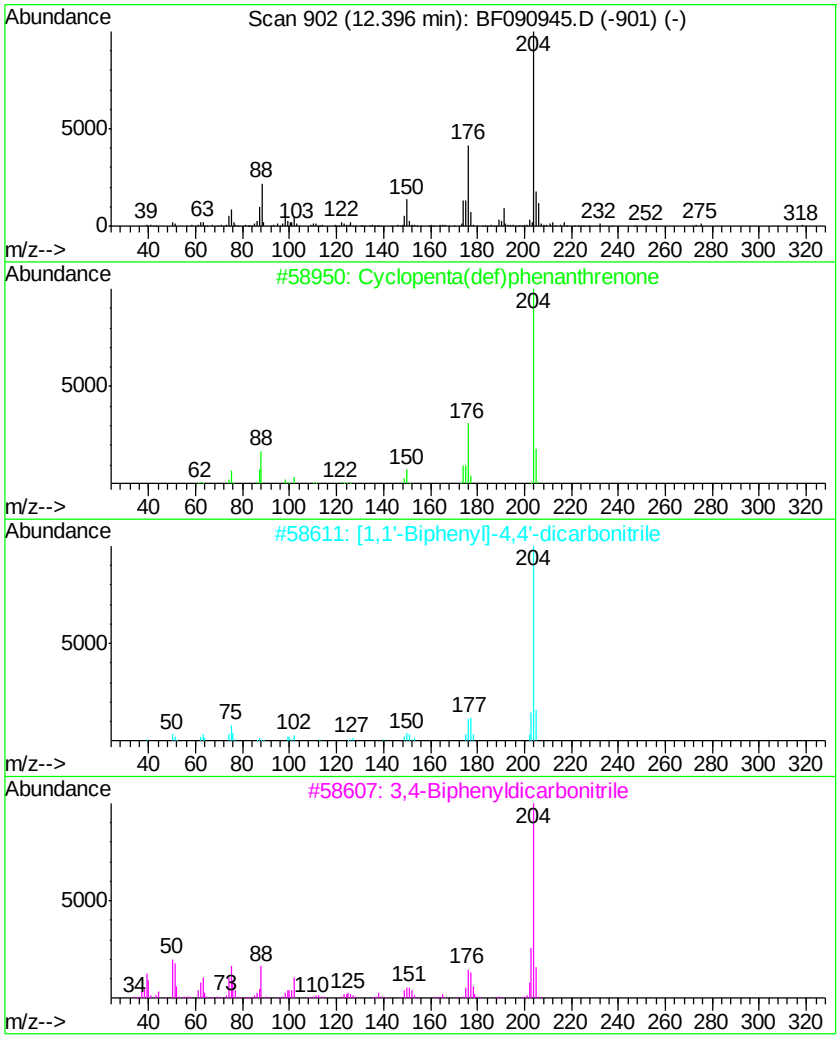
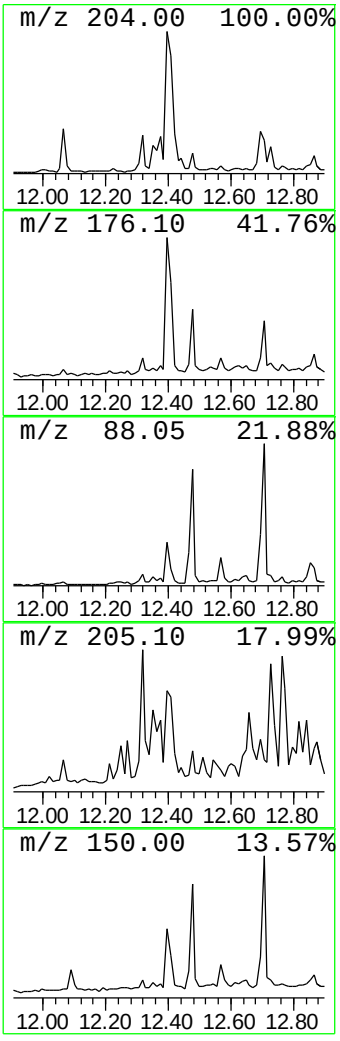
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	4.63 ng	260549	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	40





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Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(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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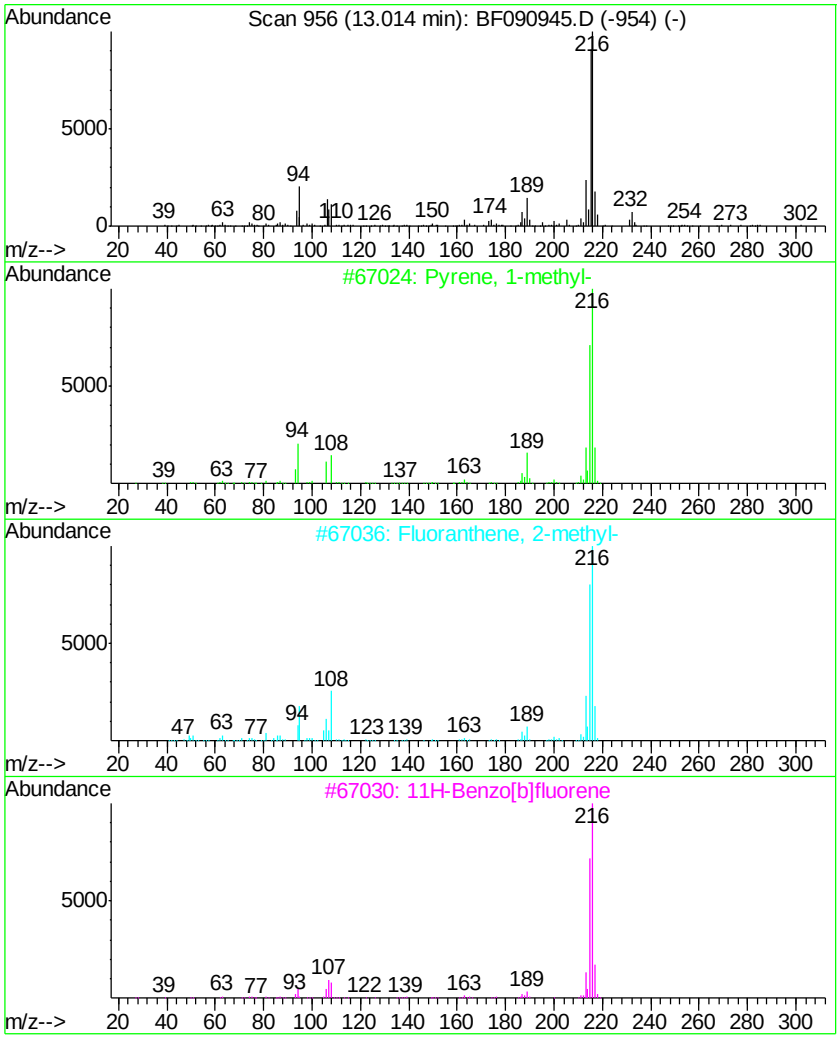
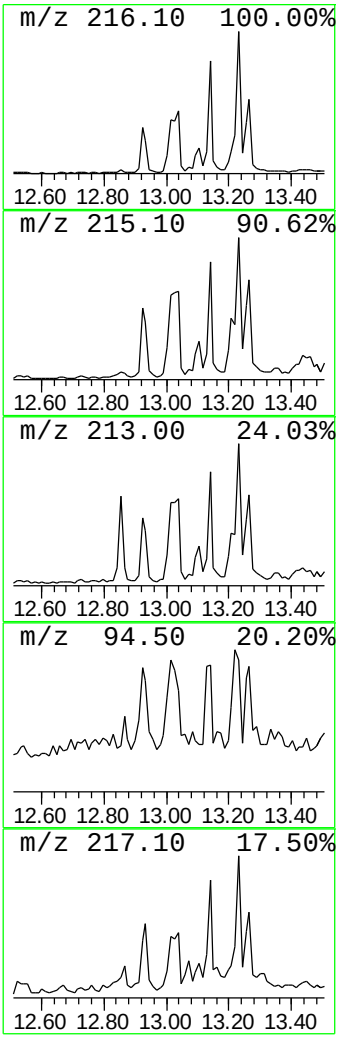
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	4.75 ng	711075	Chrysene-d12	13.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Library Search Compound Report

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Data File : BF090945.D
Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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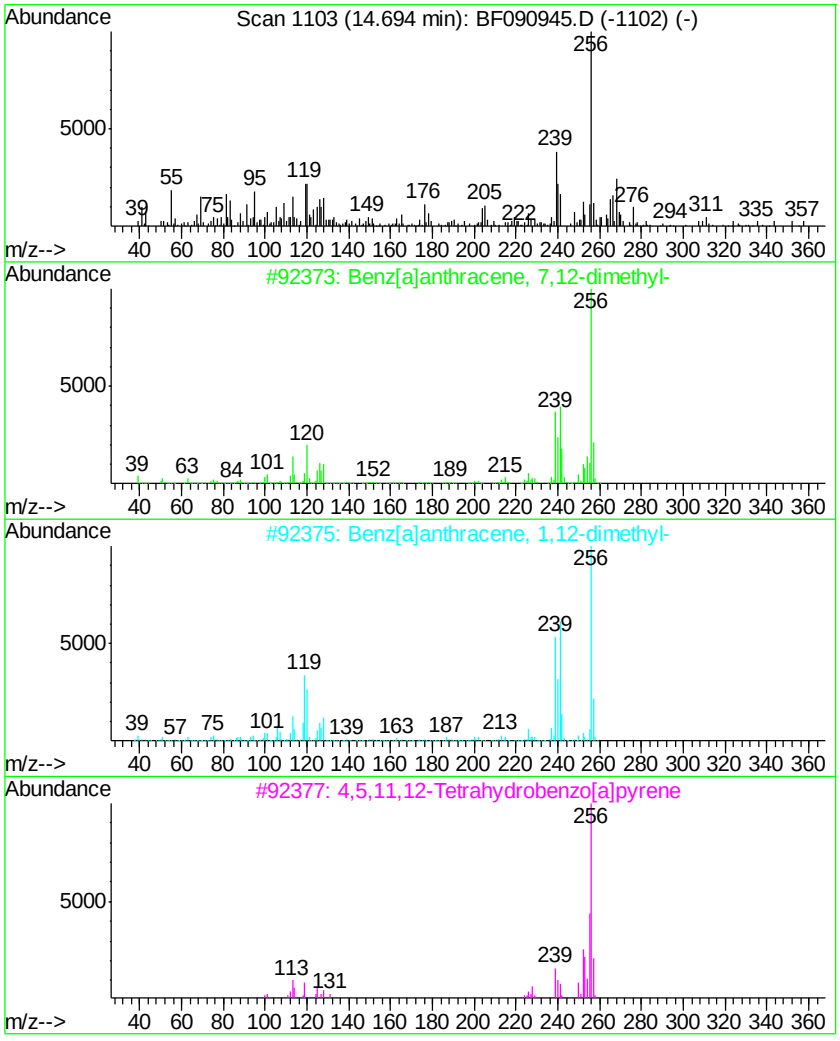
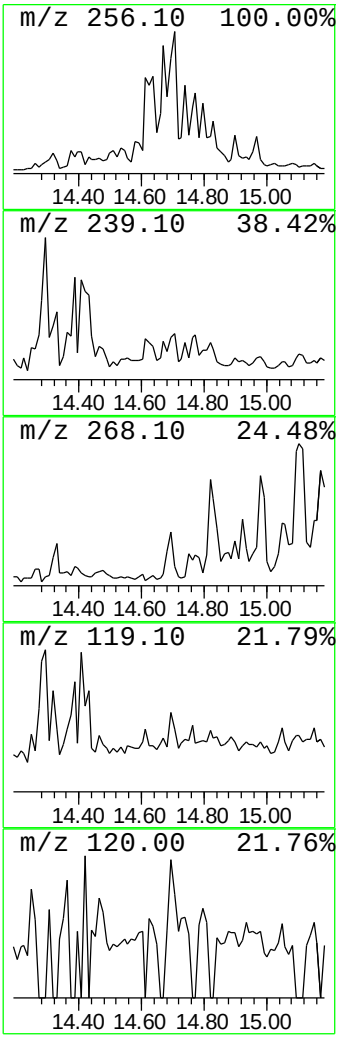
Peak Number 13 Benz[a]anthracene, 7,12-dim... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	4.57 ng	176046	Perylene-d12	15.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	92
2	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	64
3	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	58
4	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	50
5	Benzo[c]phenanthrene, 1,12-dimet...	256	C20H16	004076-43-1	43





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Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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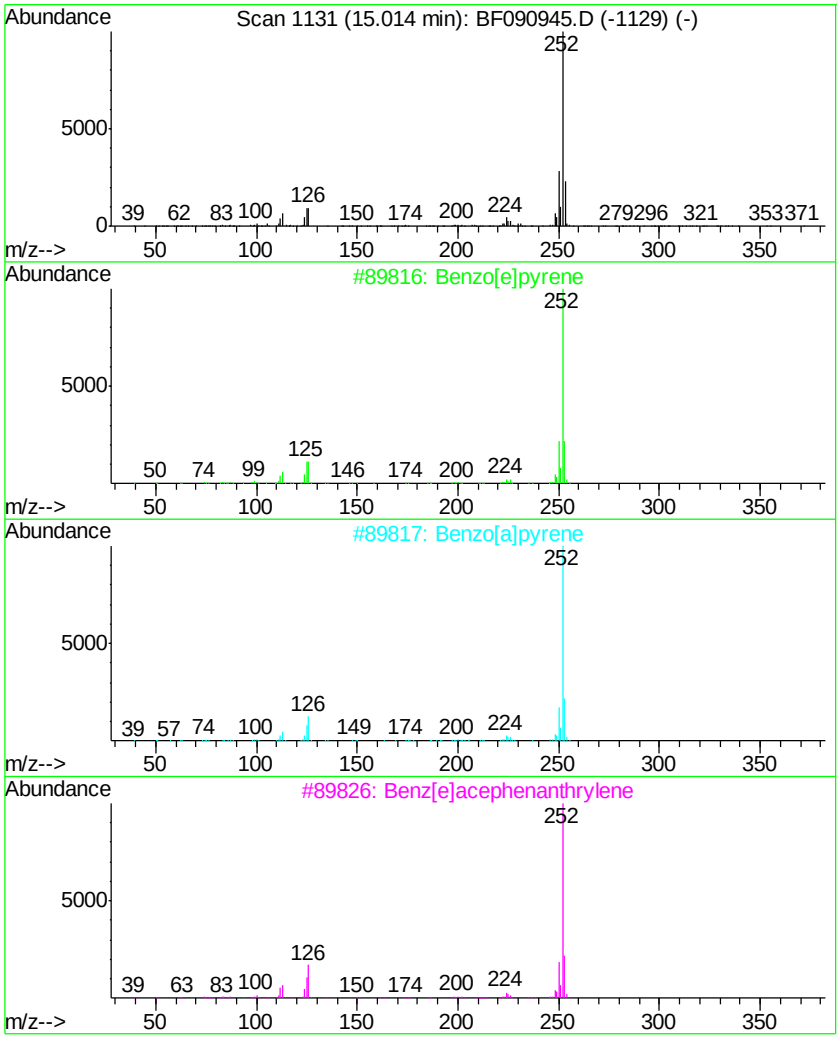
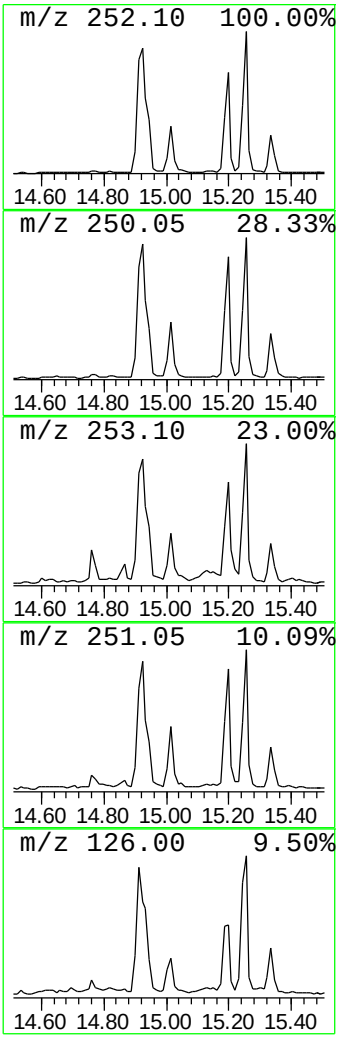
Peak Number 14 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	9.60 ng	370195	Perylene-d12	15.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





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Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(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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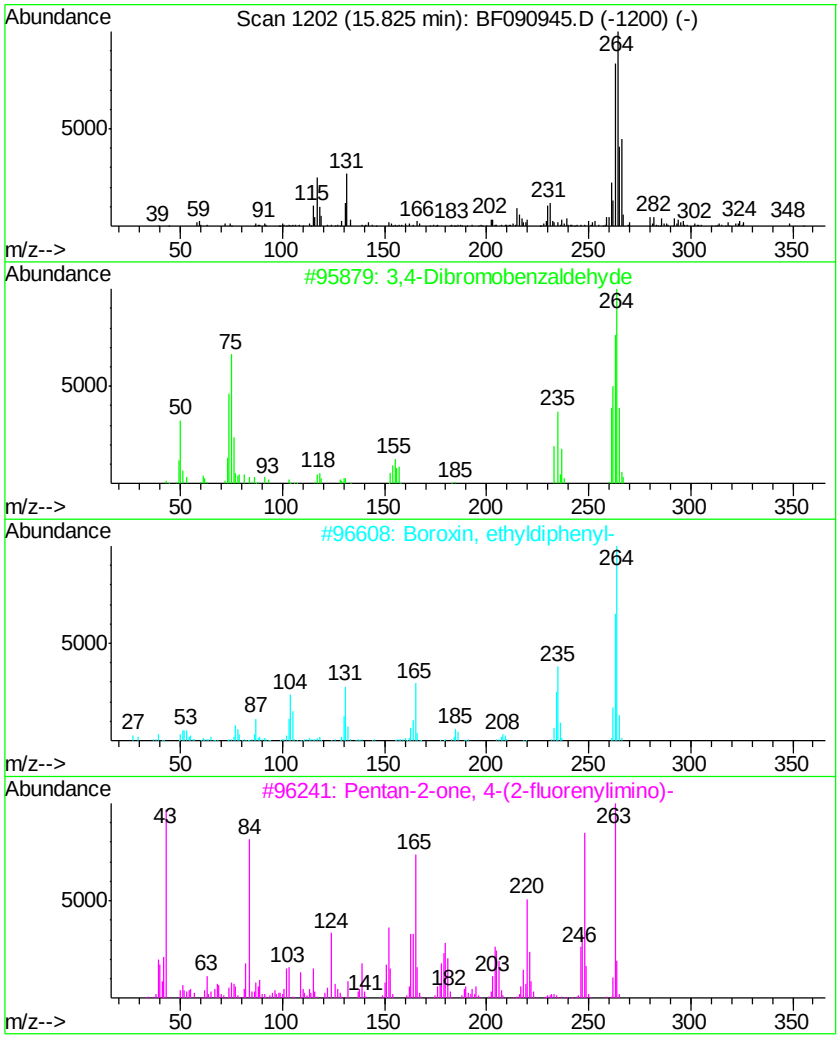
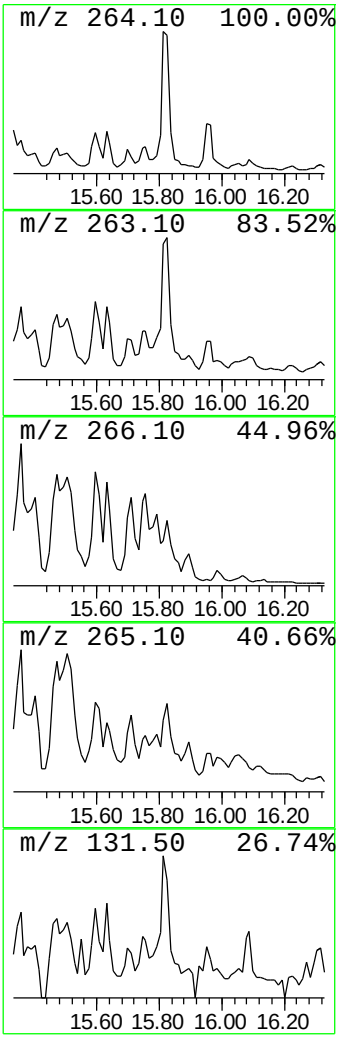
Peak Number 16 3,4-Dibromobenzaldehyde Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	5.99 ng	230838	Perylene-d12	15.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	38
3	Pentan-2-one, 4-(2-fluorenylimino)-	263	C18H17NO	050651-58-6	35
4	Quinoline, 2-[2-(4-chlorophenyl)...	265	C17H12ClN	005392-19-8	32
5	Indane-1,3-dione, 2-(4-methoxybe...	264	C17H12O3	007421-76-3	32





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Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
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TIC Library : C:\DATABASE\NIST02.L
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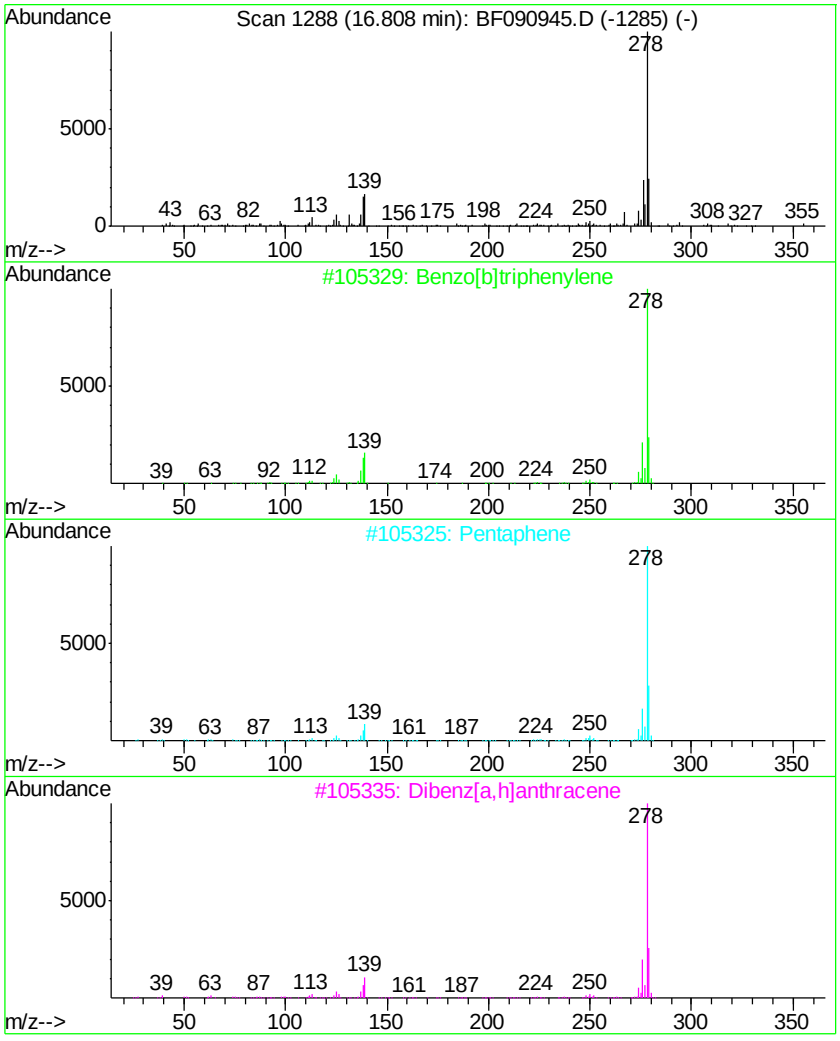
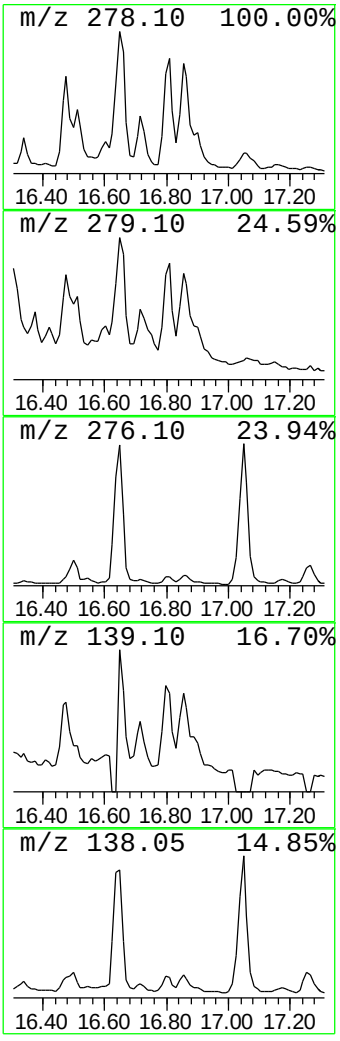
Peak Number 17 Benzo[b]triphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	4.99 ng	192589	Perylene-d12	15.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Pentaphene	278	C22H14	000222-93-5	95
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4	Benzo[b]chrysene	278	C22H14	000214-17-5	95
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93





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Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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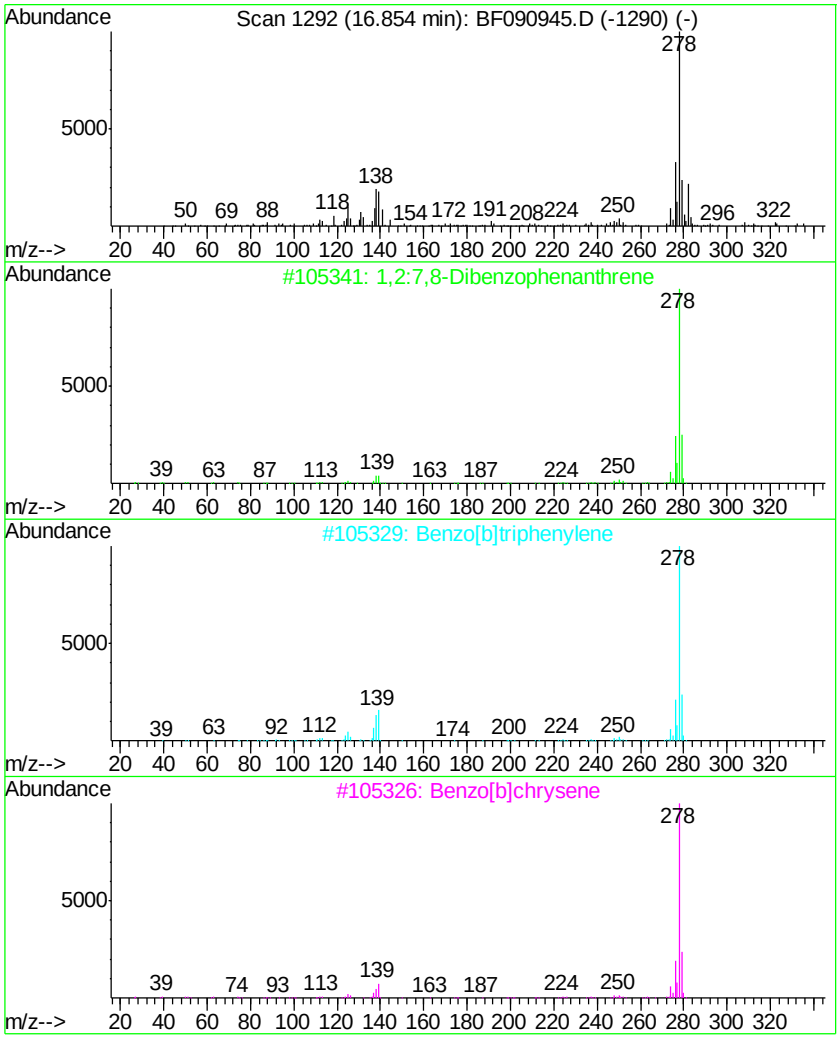
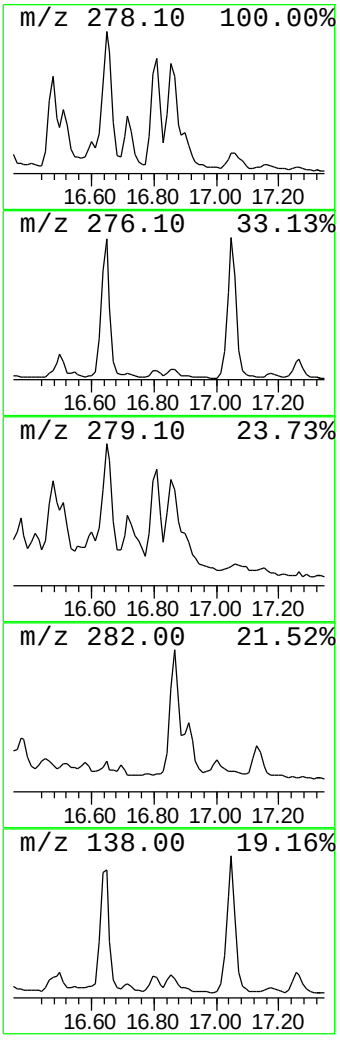
Peak Number 18 1,2:7,8-Dibenzophenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	4.42 ng	170400	Perylene-d12	15.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
3	Benzo[b]chrysene	278	C22H14	000214-17-5	96
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	94
5	Pentaphene	278	C22H14	000222-93-5	93





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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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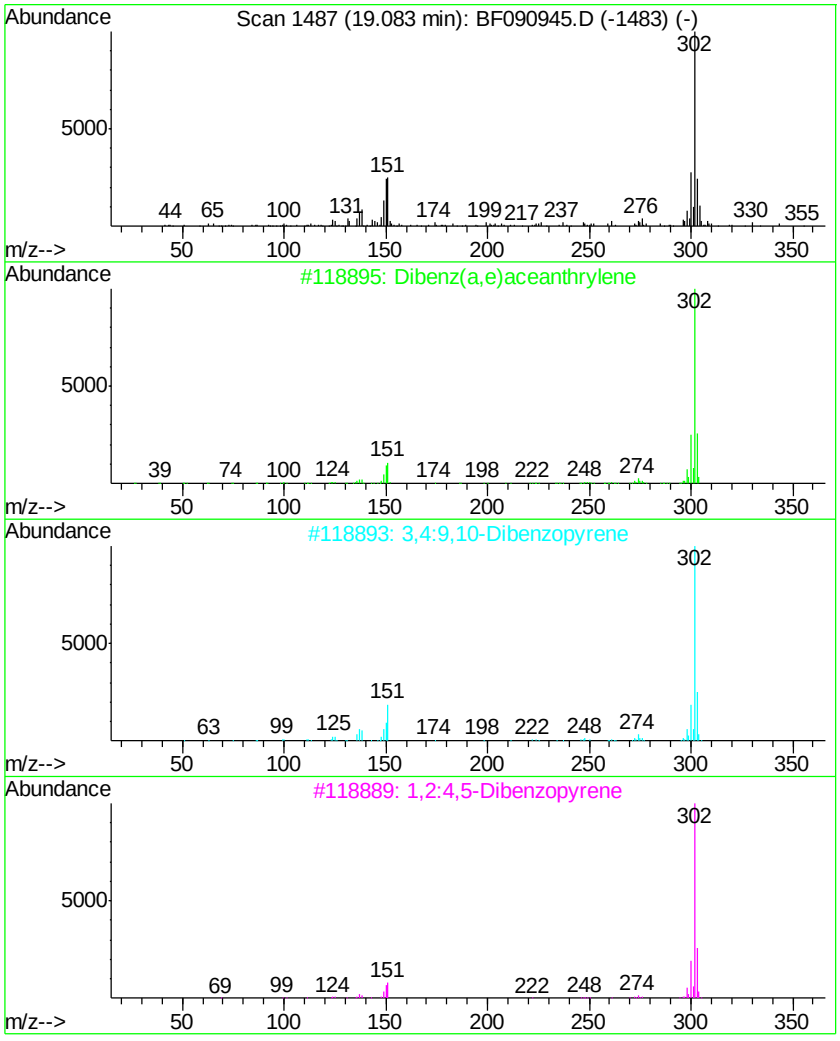
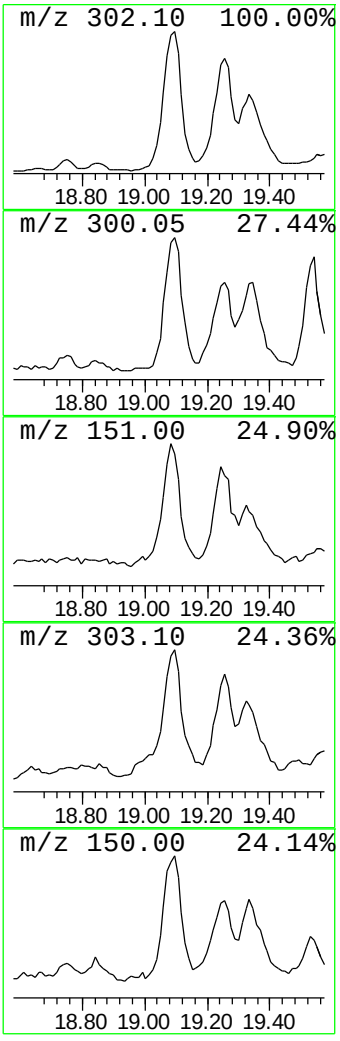
Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	9.92 ng	382489	Perylene-d12	15.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	98
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	96
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	96
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	86





Tentatively Identified Compound (LSC) summary

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Data File : BF090945.D
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Misc :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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...	4.91	20.8	ng	844496	1	6.75	810998	20.0
unknown6.52	6.52	91.1	ng	3694980	1	6.75	810998	20.0
unknown10.69	10.69	9.2	ng	517338	4	11.26	1125160	20.0
Anthracene, 2-met...	11.88	5.9	ng	333279	4	11.26	1125160	20.0
N-(4-Methoxypheny...	12.00	4.3	ng	242966	4	11.26	1125160	20.0
Phenanthrene, 2,5...	12.32	4.9	ng	274037	4	11.26	1125160	20.0
Cyclopenta(def)ph...	12.40	4.6	ng	260549	4	11.26	1125160	20.0
Pyrene, 1-methyl-	13.01	4.8	ng	711075	5	13.91	2994670	20.0
Benz[a]anthracene...	14.69	4.6	ng	176046	6	15.31	771157	20.0
Benzo[e]pyrene	15.01	9.6	ng	370195	6	15.31	771157	20.0
3,4-Dibromobenzal...	15.83	6.0	ng	230838	6	15.31	771157	20.0
Benzo[b]triphenylene	16.81	5.0	ng	192589	6	15.31	771157	20.0
1,2:7,8-Dibenzoph...	16.85	4.4	ng	170400	6	15.31	771157	20.0
Dibenz(a,e)aceant...	19.08	9.9	ng	382489	6	15.31	771157	20.0