LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
Data File : BF084820.D
Acq On : 4 Feb 2016 7:52
Operator : SJ/IZ
Sample : H1322-04 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

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-BF020116.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	4.818	236	239	249	rVB	357951	472725	13.68%	1.001%
2	5.264	276	278	281	rBV	859450	792196	22.93%	1.678%
3	6.327	369	371	373	rBV	1190624	1022649	29.60%	2.166%
4	6.453	379	382	384	rBV	821750	947897	27.44%	2.007%
5	6.682	400	402	405	rBV	1318720	1131621	32.75%	2.396%
6	6.842	413	416	418	rBV	773802	789134	22.84%	1.671%
7	7.253	449	452	454	rBV	647012	648172	18.76%	1.373%
8	7.973	512	515	516	rBV	1817664	1648400	47.71%	3.491%
9	7.996	516	517	519	rVB	220703	154185	4.46%	0.327%
10	8.682	575	577	579	rBV	148126	136465	3.95%	0.289%
11	8.785	583	586	588	rVB	145734	129969	3.76%	0.275%
12	9.047	607	609	612	rVB	1301305	1102375	31.91%	2.335%
13	9.150	615	618	620	rBV2	70545	84601	2.45%	0.179%
14	9.310	629	632	635	rBV	76707	100658	2.91%	0.213%
15	9.379	636	638	640	rBV	113155	166833	4.83%	0.353%
16	9.447	642	644	646	rVB	183174	164540	4.76%	0.348%
17	9.505	646	649	651	rVB3	54858	97662	2.83%	0.207%
18	9.585	653	656	658	rVB	180737	156630	4.53%	0.332%
19	9.722	665	668	670	rBV	1830509	1712869	49.58%	3.627%
20	9.756	670	671	673	rVB	355334	266255	7.71%	0.564%
21	9.928	683	686	688	rVV	323719	286271	8.29%	0.606%
22	9.962	688	689	693	rVB2	52363	80645	2.33%	0.171%
23	10.042	693	696	697	rBV	69207	77425	2.24%	0.164%
24	10.133	701	704	706	rBV2	53540	106523	3.08%	0.226%
25	10.168	706	707	709	rVB	114209	83256	2.41%	0.176%
26	10.270	714	716	717	rBV2	251009	297169	8.60%	0.629%
27	10.385	724	726	728	rVV2	57162	98289	2.84%	0.208%
28	10.430	728	730	732	rVB	105114	149817	4.34%	0.317%
29	10.510	734	737	739	rVB	352569	425846	12.33%	0.902%
30	10.636	746	748	752	rVB	168799	200401	5.80%	0.424%
31	10.808	760	763	765	rVV2	72153	150244	4.35%	0.318%
32	10.945	772	775	779	rBV2	109647	262211	7.59%	0.555%
33	11.013	779	781	783	rVV	147180	174956	5.06%	0.371%
34	11.059	783	785	786	rVV	110800	141017	4.08%	0.299%

LSC Area Percent Report

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Sample : H1322-04 5X
Misc :
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Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

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-BF020116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.093	786	788	792	rVB2	221181	332370	9.62%	0.704%
36	11.231	798	800	802	rVB	3321371	3053497	88.38%	6.466%
37	11.276	802	804	806	rVB	960113	785218	22.73%	1.663%
38	11.311	806	807	810	rVB	95825	81519	2.36%	0.173%
39	11.436	815	818	819	rBV2	240976	260065	7.53%	0.551%
40	11.505	822	824	829	rBV3	108070	206553	5.98%	0.437%
41	11.608	831	833	835	rVB3	39714	69641	2.02%	0.147%
42	11.699	839	841	842	rBV	364873	355620	10.29%	0.753%
43	11.733	842	844	846	rVB	476524	480890	13.92%	1.018%
44	11.779	846	848	849	rBV	254188	227555	6.59%	0.482%
45	11.813	849	851	855	rBV2	559361	881355	25.51%	1.866%
46	11.893	856	858	859	rBV2	45308	90550	2.62%	0.192%
47	11.916	859	860	863	rVB2	121281	134938	3.91%	0.286%
48	11.996	866	867	868	rBV	324808	258005	7.47%	0.546%
49	12.145	878	880	882	rBV2	116570	134517	3.89%	0.285%
50	12.248	887	889	891	rBV	224823	282836	8.19%	0.599%
51	12.305	891	894	895	rBV2	183945	240526	6.96%	0.509%
52	12.339	895	897	901	rVB	225734	260189	7.53%	0.551%
53	12.408	901	903	906	rBV	2479339	3170107	91.76%	6.713%
54	12.476	906	909	910	rBV2	61929	92914	2.69%	0.197%
55	12.556	913	916	917	rBV2	168894	250952	7.26%	0.531%
56	12.636	920	923	925	rBV	2619799	3454884	100.00%	7.316%
57	12.682	925	927	932	rVB4	207057	383059	11.09%	0.811%
58	12.785	934	936	939	rVB2	1030661	1031946	29.87%	2.185%
59	12.854	939	942	946	rBV4	197358	444265	12.86%	0.941%
60	12.956	948	951	953	rVB3	212882	486535	14.08%	1.030%
61	13.036	953	958	959	rBV3	217227	388940	11.26%	0.824%
62	13.071	959	961	962	rBV	258766	331780	9.60%	0.703%
63	13.162	967	969	970	rVB	171850	170111	4.92%	0.360%
64	13.185	970	971	974	rBV2	153660	220322	6.38%	0.467%
65	13.265	976	978	981	rVB2	97254	153837	4.45%	0.326%
66	13.334	981	984	985	rBV2	163659	276657	8.01%	0.586%
67	13.368	985	987	990	rVB3	148494	258094	7.47%	0.547%
68	13.471	994	996	1000	rVB	260490	243228	7.04%	0.515%
69	13.574	1003	1005	1007	rBV2	164083	298177	8.63%	0.631%
70	13.608	1007	1008	1009	rVB	166004	113796	3.29%	0.241%
71	13.631	1009	1010	1013	rVB2	168256	218149	6.31%	0.462%

LSC Area Percent Report

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Acq On : 4 Feb 2016 7:52
Operator : SJ/IZ
Sample : H1322-04 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

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-BF020116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.699	1013	1016	1019	rVB3	214082	383428	11.10%	0.812%
73	13.825	1023	1027	1029	rBV2	1617783	2686743	77.77%	5.690%
74	13.939	1034	1037	1038	rVB2	122006	158928	4.60%	0.337%
75	14.019	1041	1044	1045	rBV3	239353	276668	8.01%	0.586%
76	14.179	1057	1058	1059	rVV	74868	74166	2.15%	0.157%
77	14.214	1059	1061	1063	rVB	190838	246801	7.14%	0.523%
78	14.317	1068	1070	1076	rVB4	160303	397080	11.49%	0.841%
79	14.522	1086	1088	1089	rBV	91197	101095	2.93%	0.214%
80	14.614	1094	1096	1099	rVV2	191450	266935	7.73%	0.565%
81	14.682	1100	1102	1106	rVV3	102674	200610	5.81%	0.425%
82	14.751	1106	1108	1110	rVV	52698	73324	2.12%	0.155%
83	14.831	1112	1115	1120	rBV	1012756	1726945	49.99%	3.657%
84	14.922	1120	1123	1125	rVB3	255838	335694	9.72%	0.711%
85	15.094	1136	1138	1141	rVB	530366	706759	20.46%	1.497%
86	15.151	1141	1143	1146	rVB	852685	1000813	28.97%	2.119%
87	15.208	1146	1148	1150	rBV	783555	1047509	30.32%	2.218%
88	15.631	1183	1185	1187	rBV	87777	124566	3.61%	0.264%
89	15.814	1199	1201	1207	rVB4	78581	149919	4.34%	0.317%
90	16.202	1232	1235	1239	rVB6	90933	217904	6.31%	0.461%
91	16.328	1244	1246	1247	rBV2	49308	79742	2.31%	0.169%
92	16.500	1257	1261	1265	rVB	371104	711545	20.60%	1.507%
93	16.568	1265	1267	1271	rVB2	47755	95722	2.77%	0.203%
94	16.648	1271	1274	1276	rBV	82538	164259	4.75%	0.348%
95	16.694	1276	1278	1281	rVB2	69834	118708	3.44%	0.251%
96	16.877	1291	1294	1300	rVB	321161	647103	18.73%	1.370%
97	17.094	1310	1313	1318	rVB	82946	187953	5.44%	0.398%
98	17.894	1379	1383	1397	rVB7	44501	236868	6.86%	0.502%
99	18.843	1462	1466	1473	rVB	77328	260982	7.55%	0.553%
100	19.014	1476	1481	1484	rBV	46606	158595	4.59%	0.336%

Sum of corrected areas: 47220867

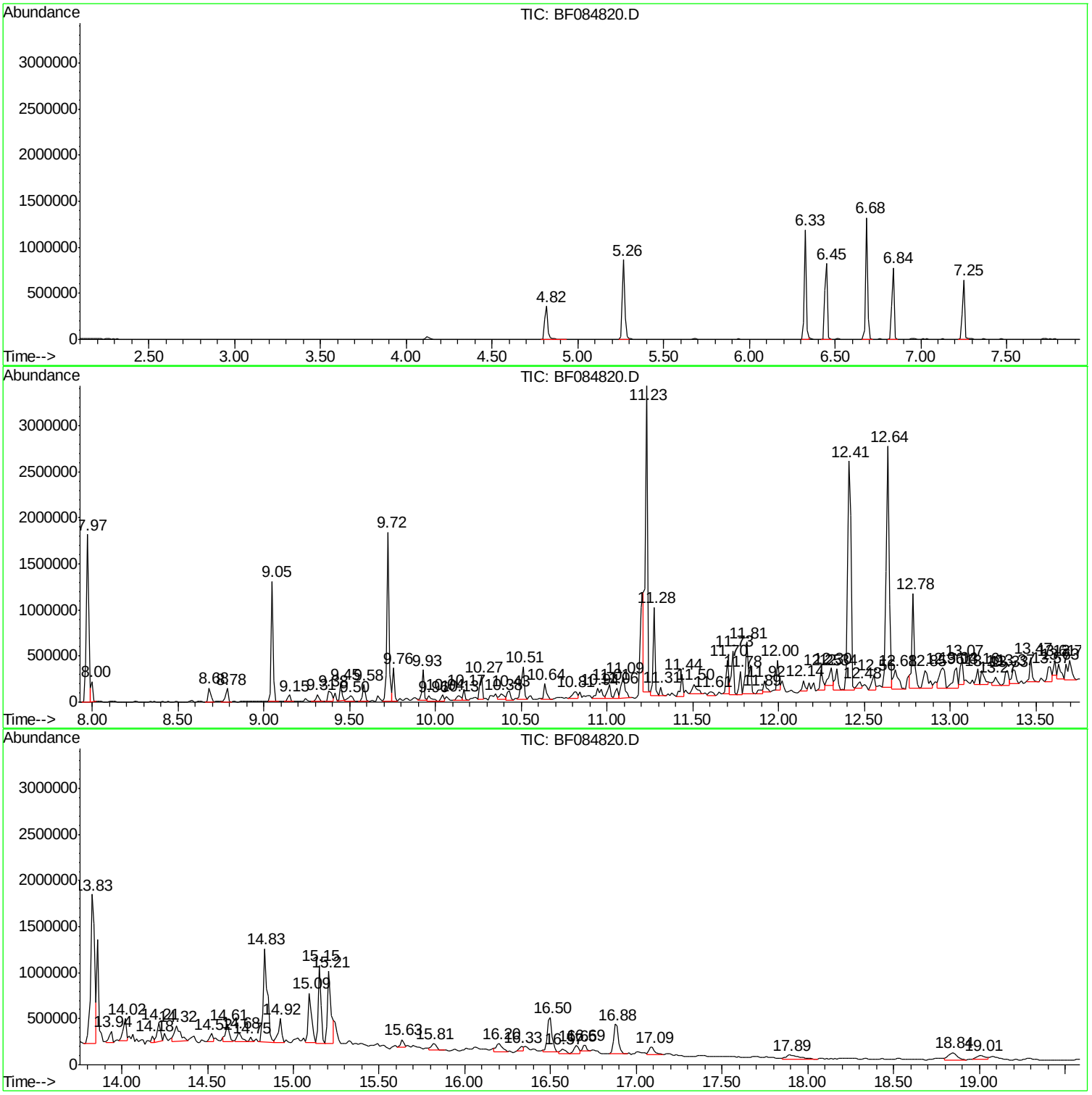
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
Data File : BF084820.D
Acq On : 4 Feb 2016 7:52
Operator : SJ/IZ
Sample : H1322-04 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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\BF020316\
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Operator : SJ/IZ
Sample : H1322-04 5X
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ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

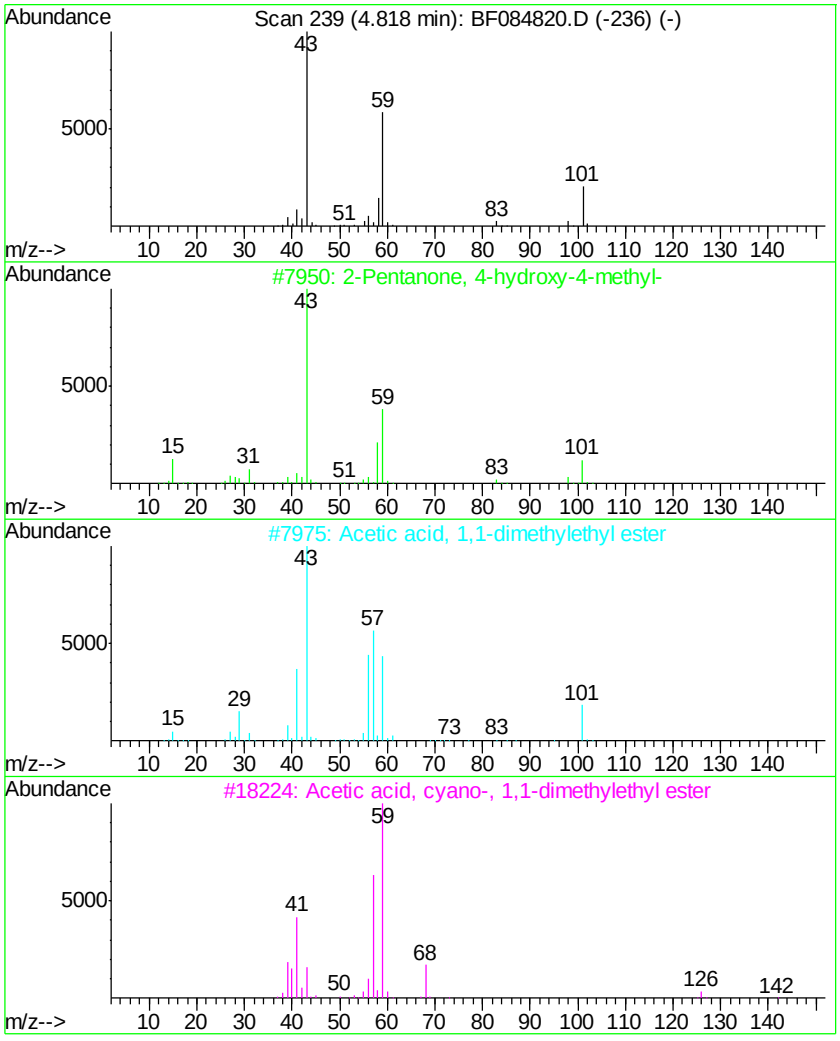
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

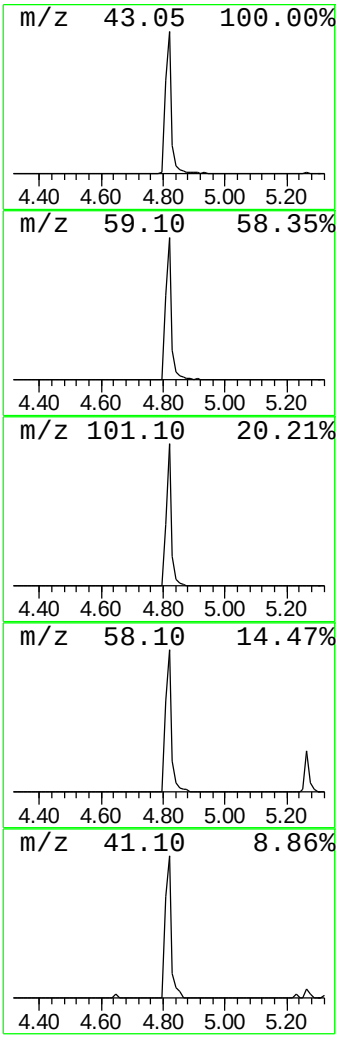
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	8.35 ng	472725	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
Data File : BF084820.D
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Sample : H1322-04 5X
Misc :
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Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

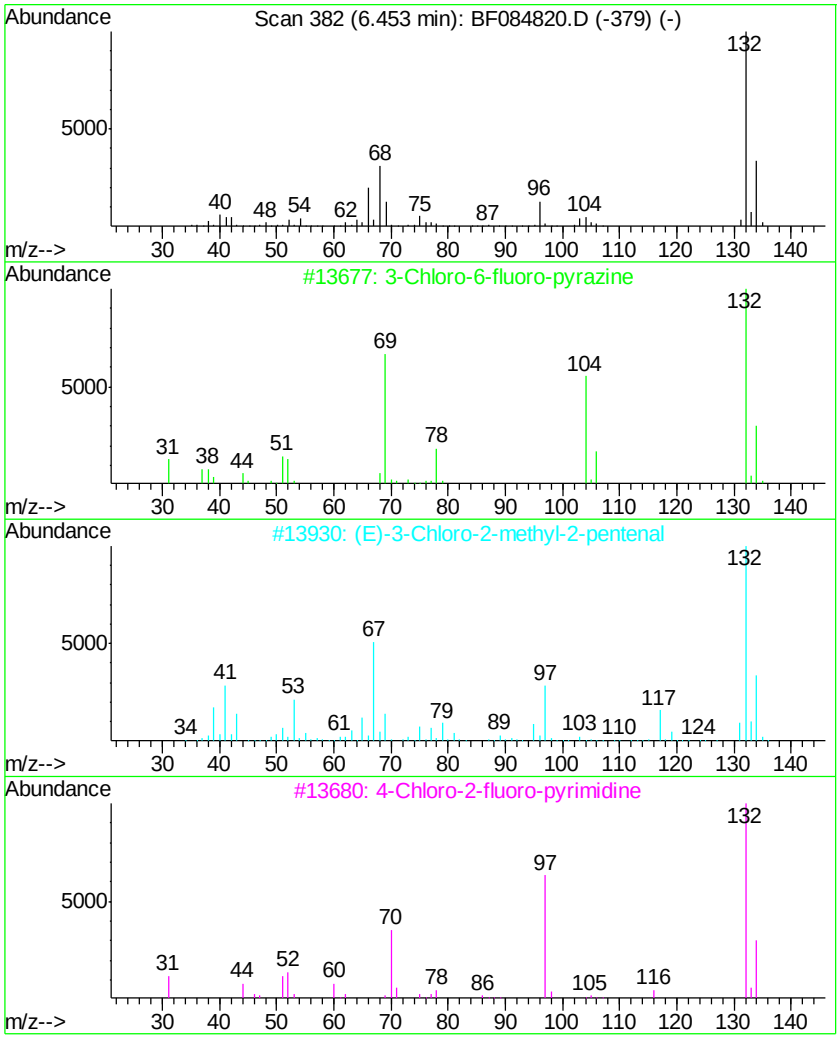
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

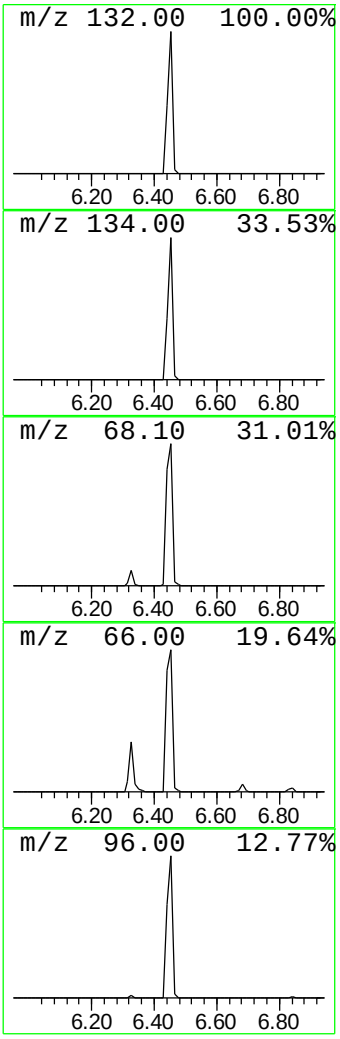
****

Peak Number 2 unknown6.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	16.75 ng	947897	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	Xenon	132	Xe	007440-63-3	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





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Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

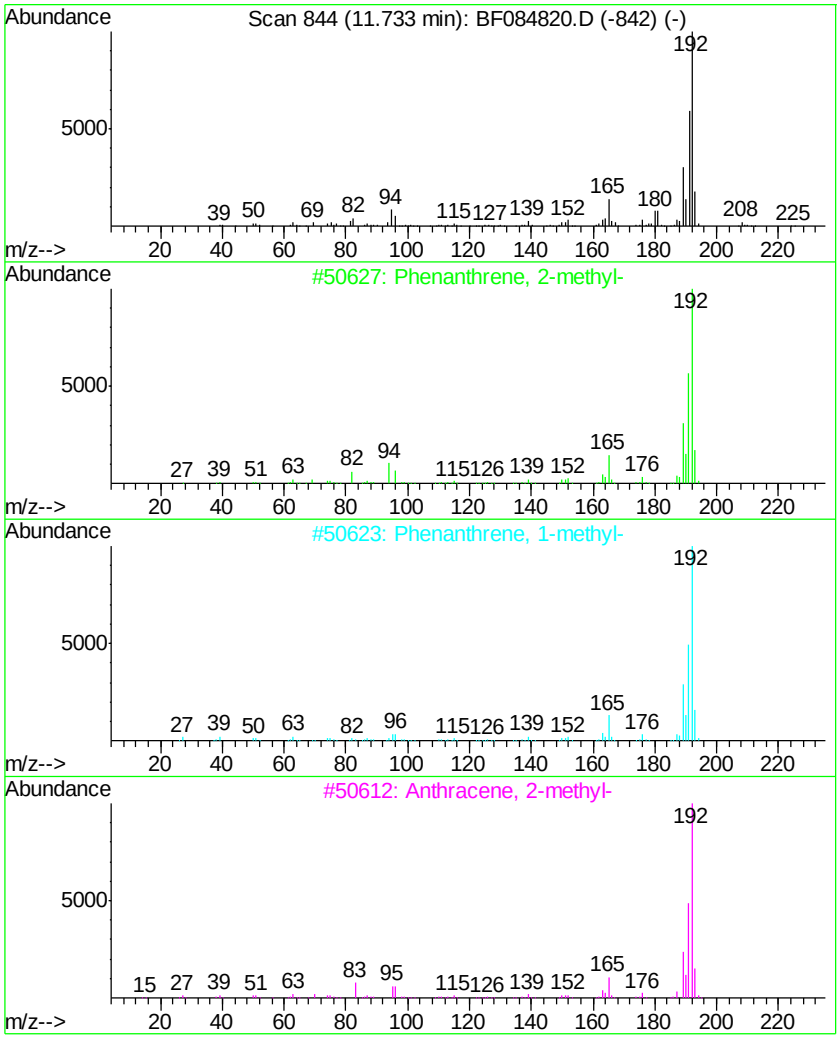
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

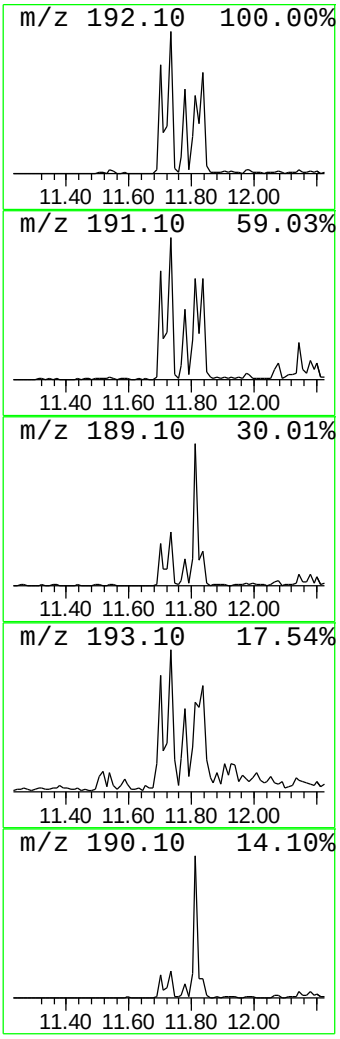
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	3.15 ng	480890	Phenanthrene-d10	11.21

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	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
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Acq On : 4 Feb 2016 7:52
Operator : SJ/IZ
Sample : H1322-04 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
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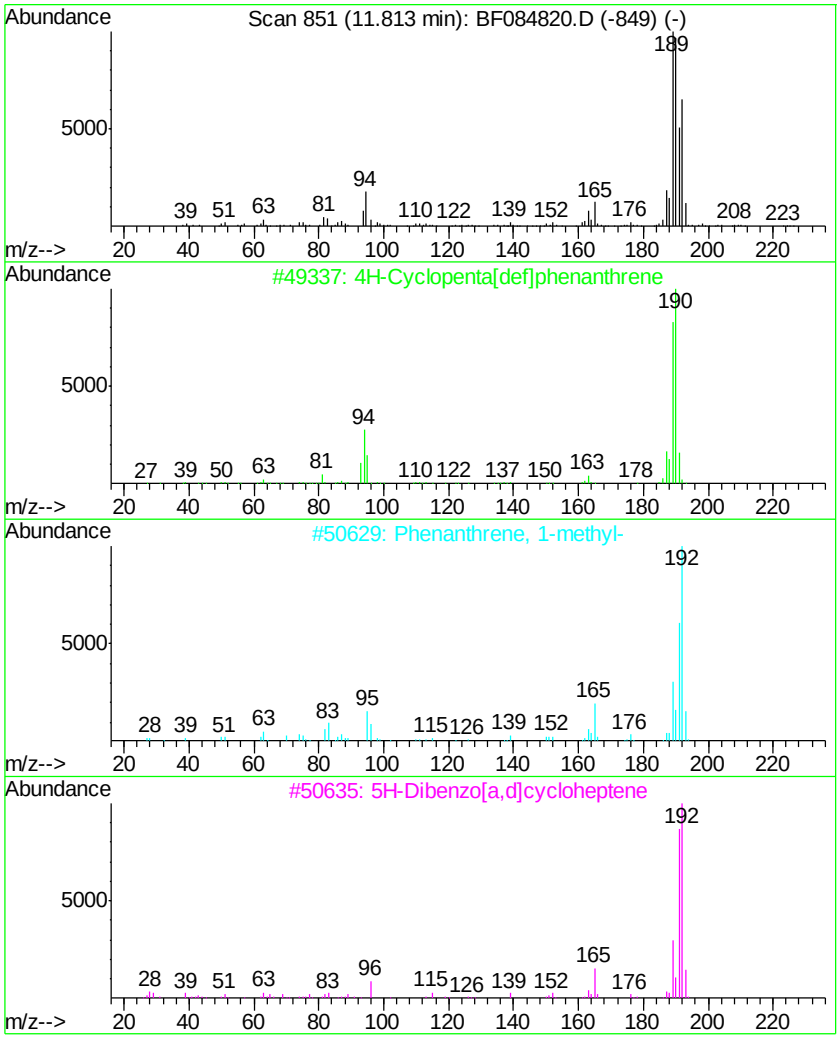
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

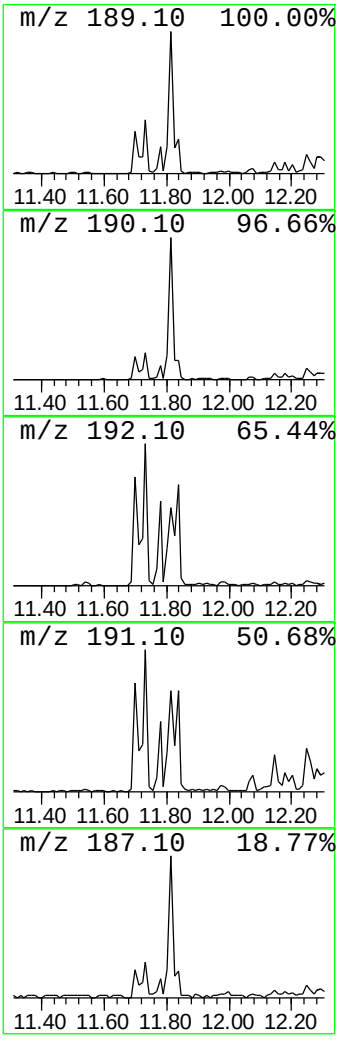
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	5.77 ng	881355	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	35
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
Data File : BF084820.D
Acq On : 4 Feb 2016 7:52
Operator : SJ/IZ
Sample : H1322-04 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

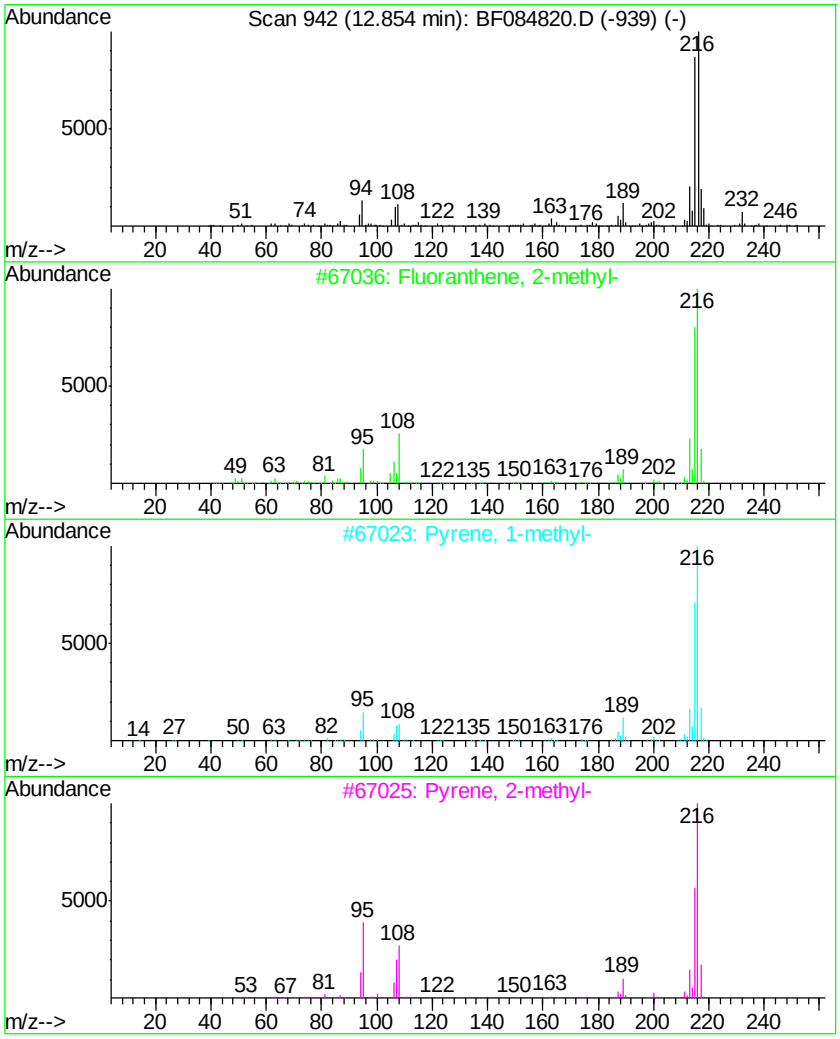
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

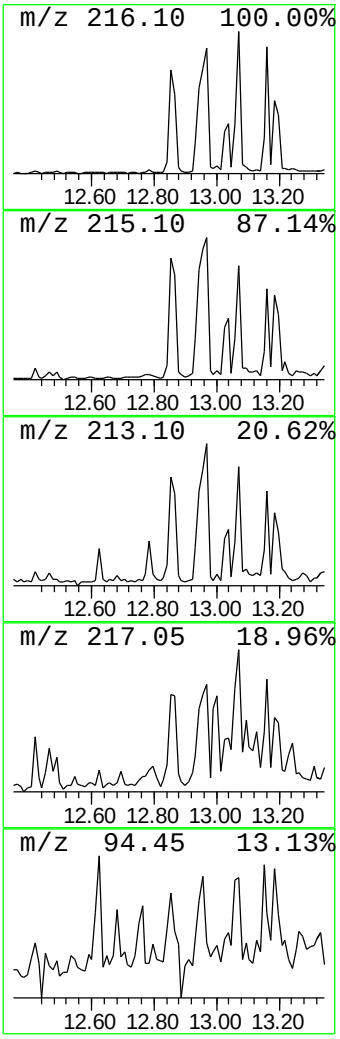
****

Peak Number 6 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	3.31 ng	444265	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





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Acq On : 4 Feb 2016 7:52
Operator : SJ/IZ
Sample : H1322-04 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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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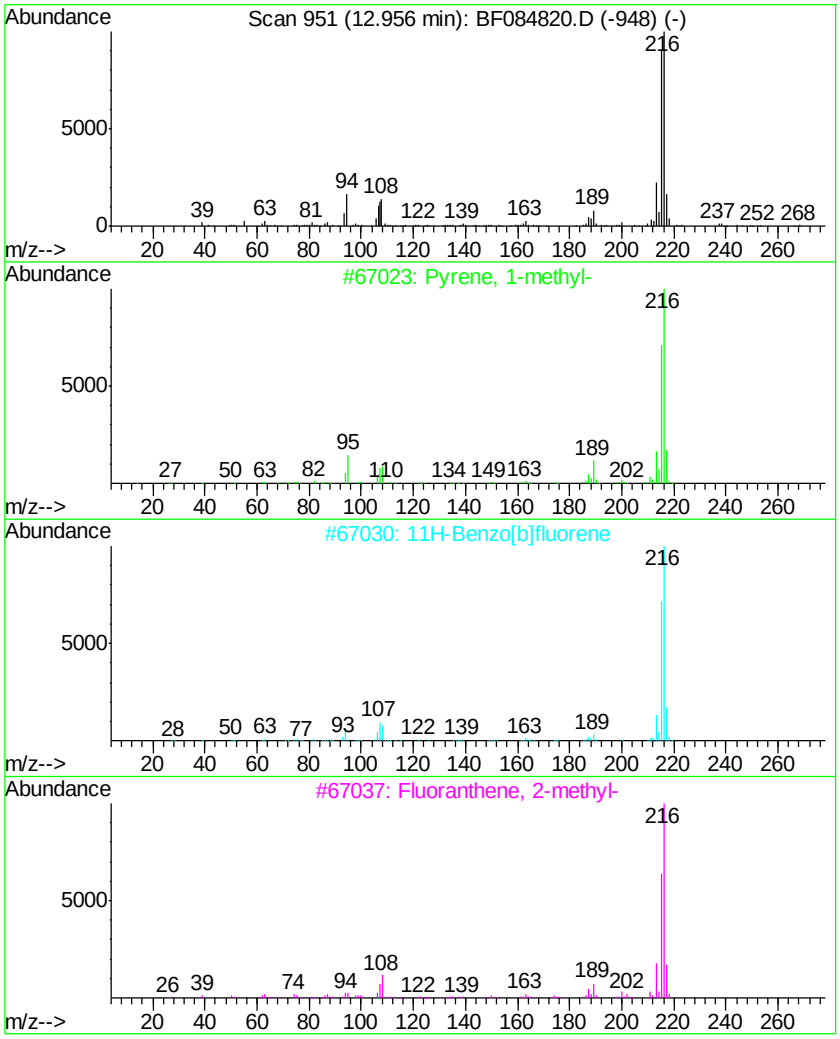
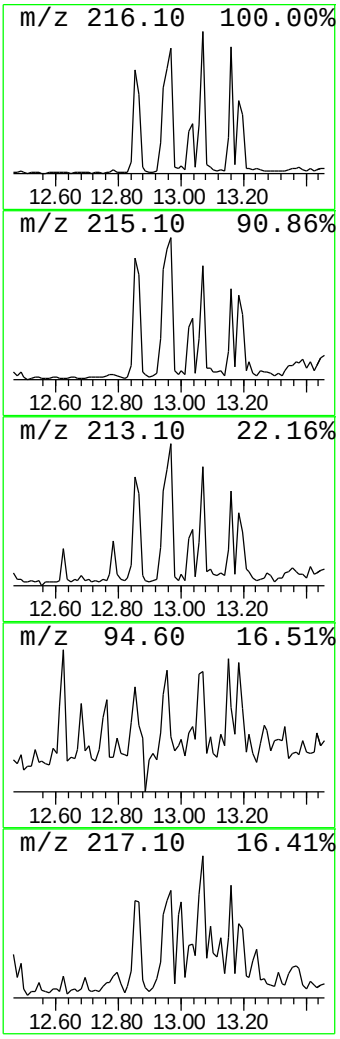
Peak Number 7 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	3.62 ng	486535	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Library Search Compound Report

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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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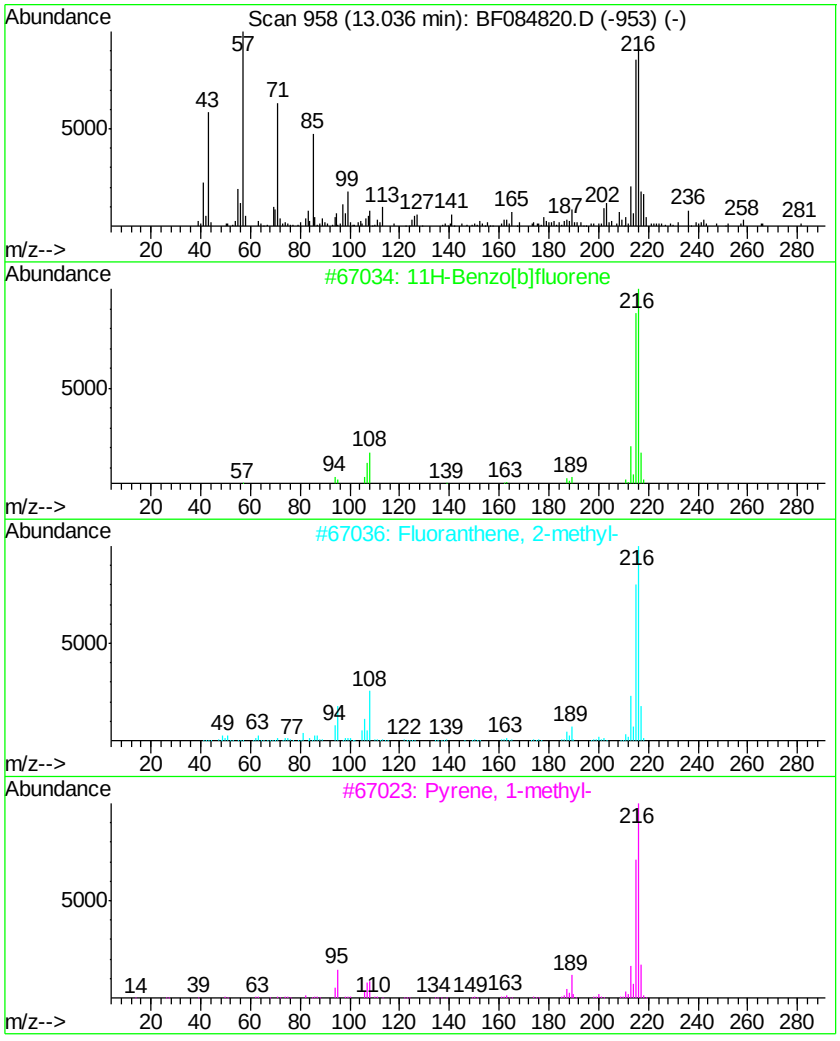
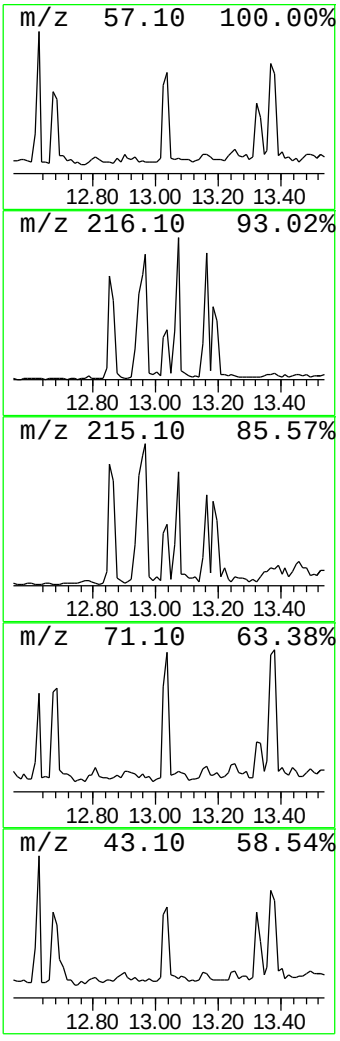
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.90 ng	388940	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	53
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	53
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	52
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	52
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	50





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Sample : H1322-04 5X
Misc :
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ClientSampleId : S4-B008(5-7)

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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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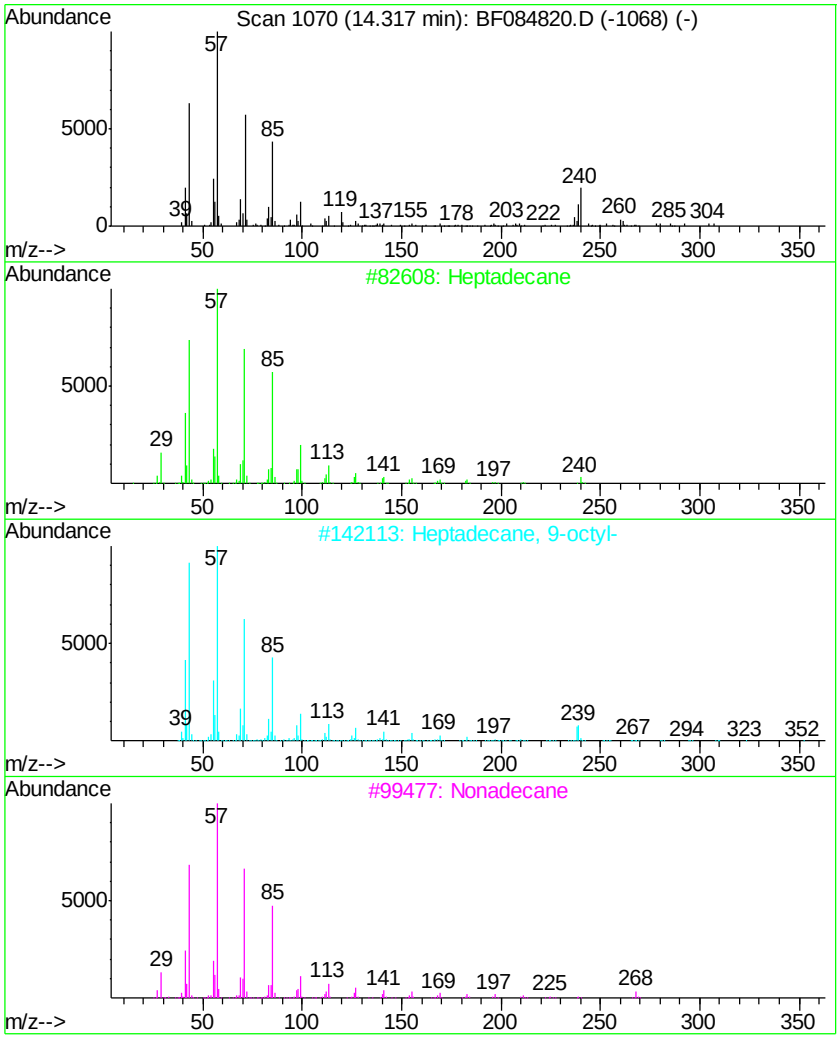
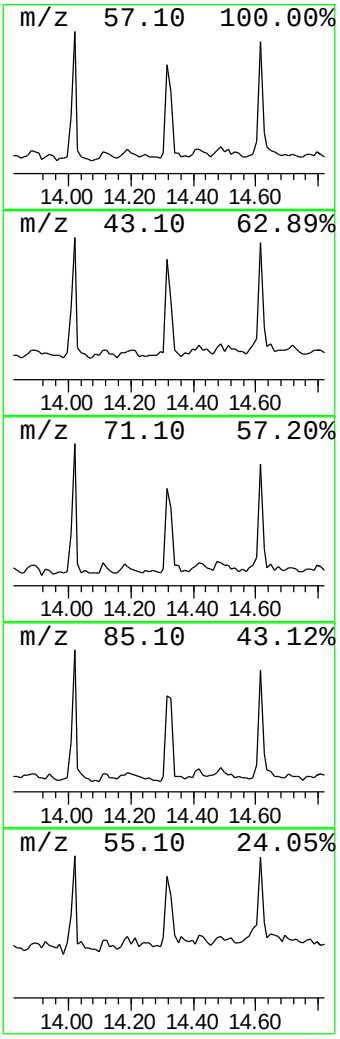
Peak Number 9 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	2.96 ng	397080	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	80
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	64
3	Nonadecane	268	C19H40	000629-92-5	62
4	Decane, 1-iodo-	268	C10H21I	002050-77-3	58
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	58





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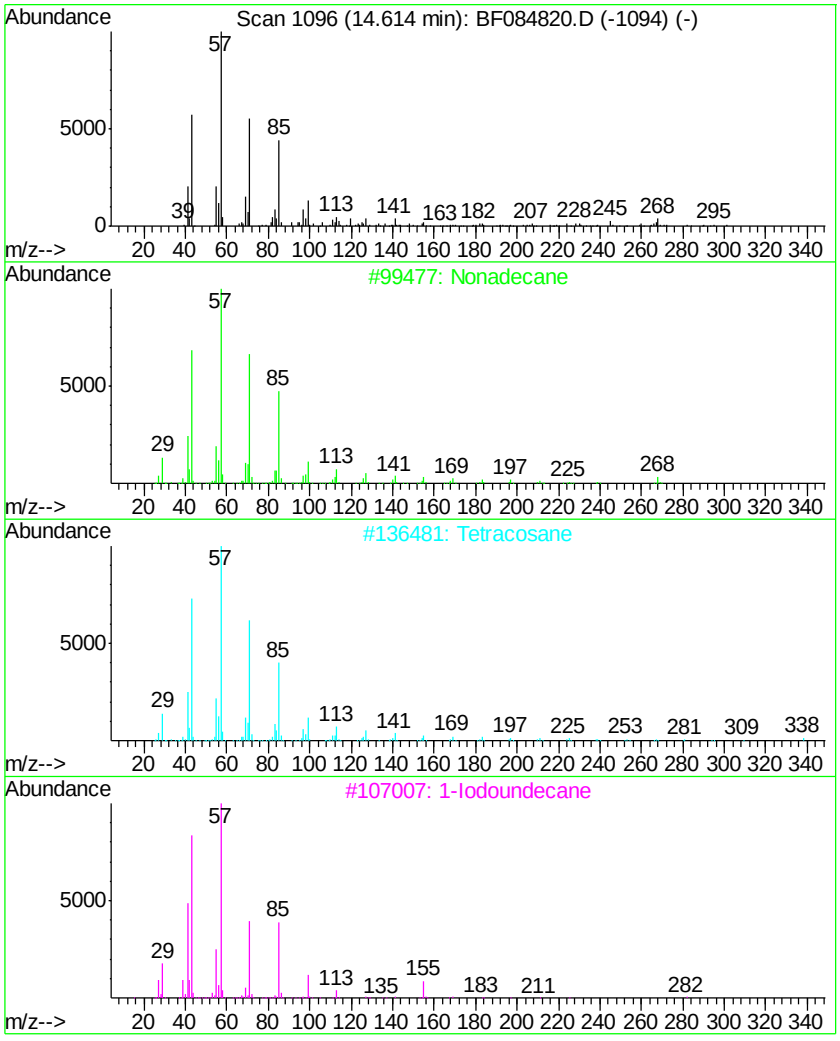
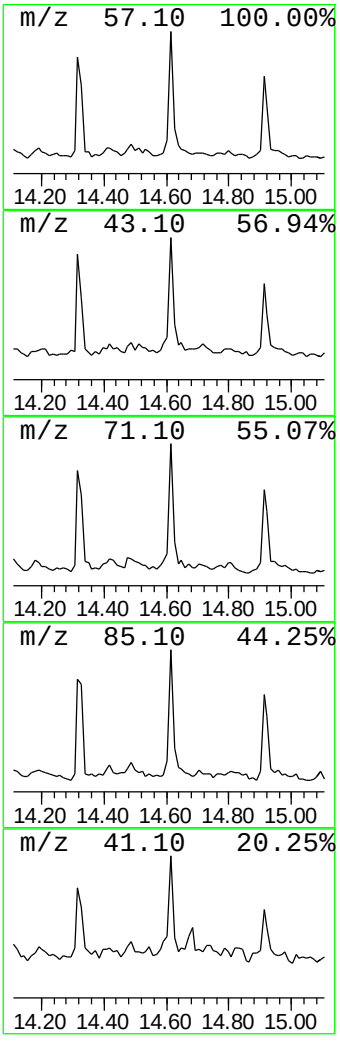
Peak Number 10 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	5.10 ng	266935	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Tetracosane	338	C24H50	000646-31-1	80
3	1-Iodoundecane	282	C11H23I	004282-44-4	80
4	Heneicosane	296	C21H44	000629-94-7	72
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	72





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TIC Integration Parameters: LSCINT.P

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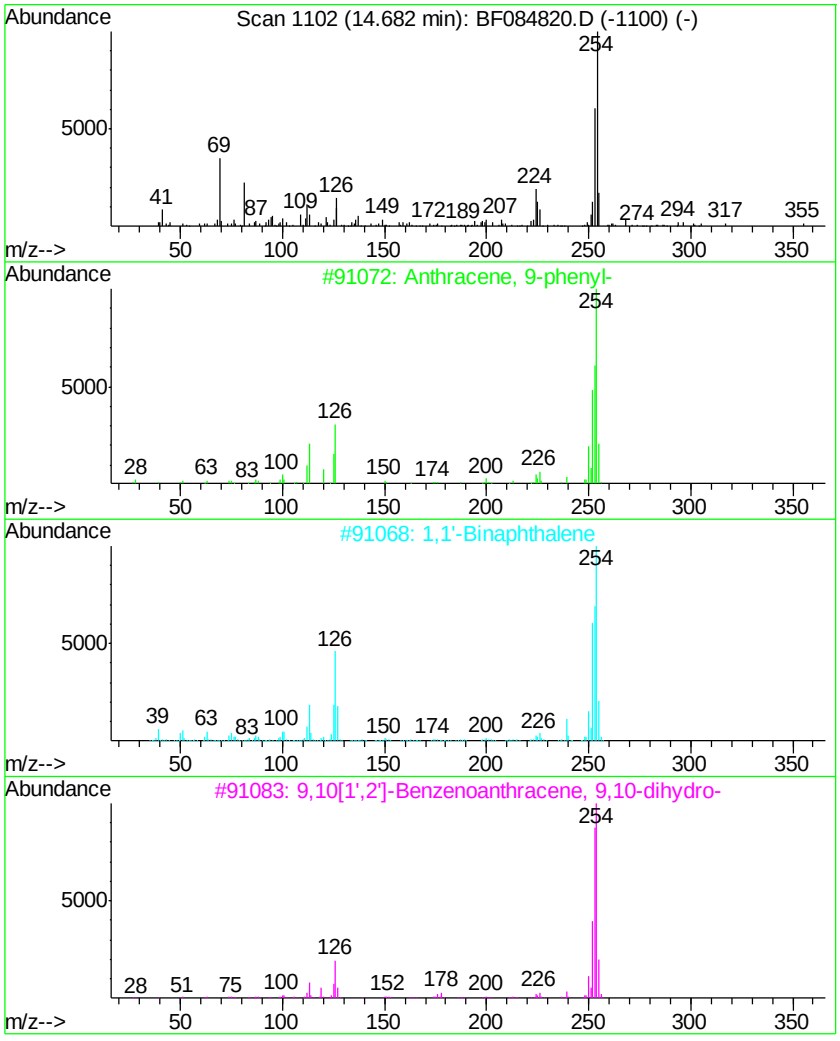
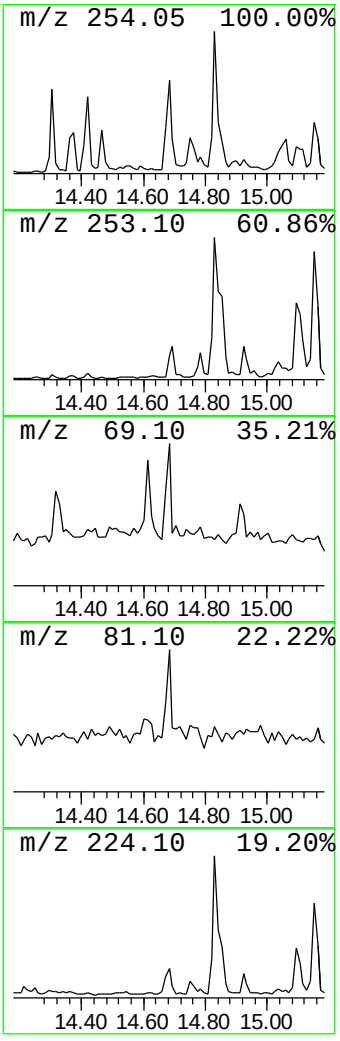
Peak Number 11 Anthracene, 9-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	3.83 ng	200610	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	81
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	58
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58
4	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	53
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	45





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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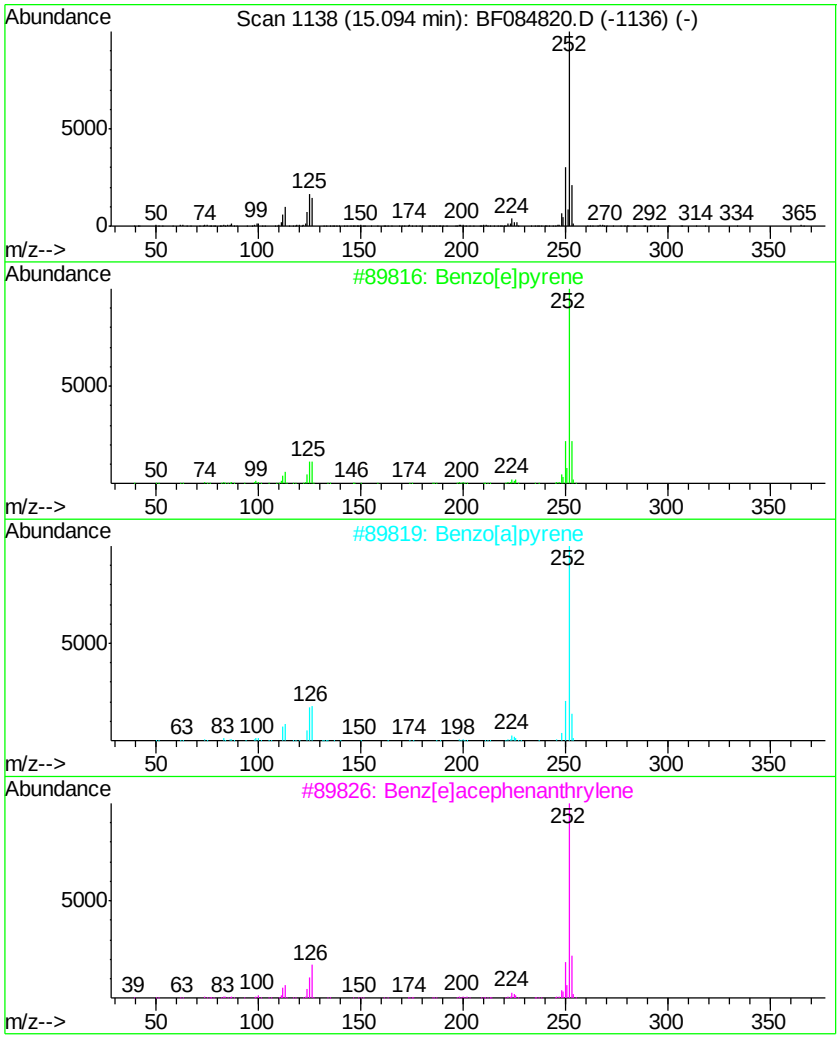
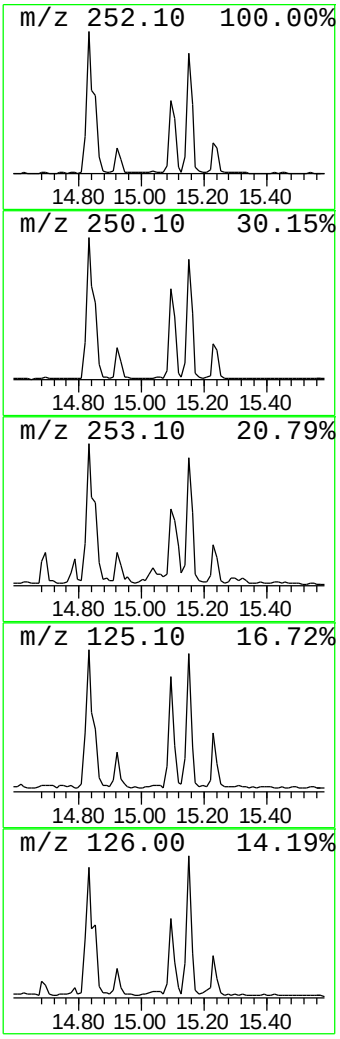
Peak Number 13 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	13.49 ng	706759	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





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ClientSampleId : S4-B008(5-7)

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TIC Library : C:\DATABASE\NIST02.L
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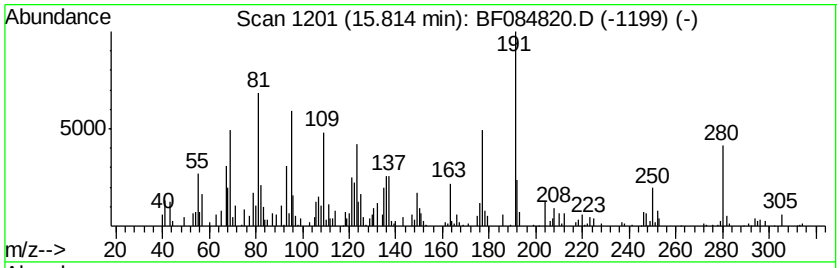
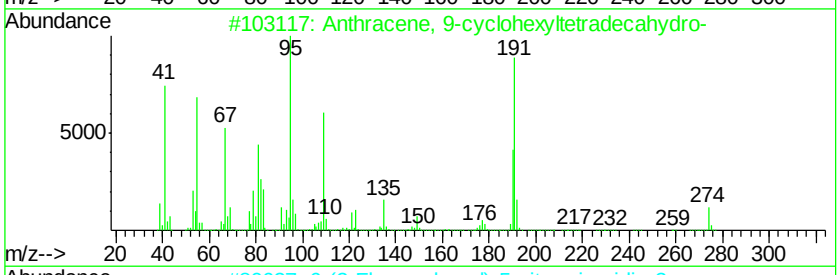
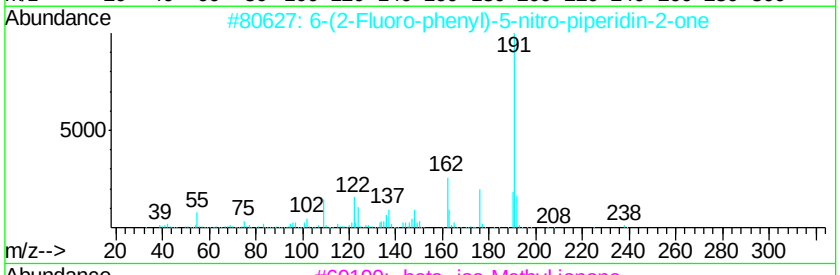
Peak Number 14 unknown15.81 Concentration Rank 20

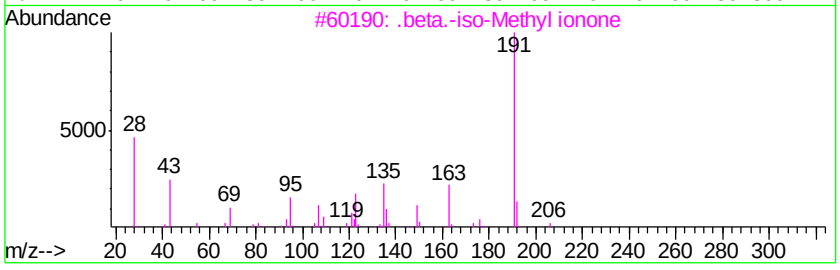
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	2.86 ng	149919	Perylene-d12	15.21

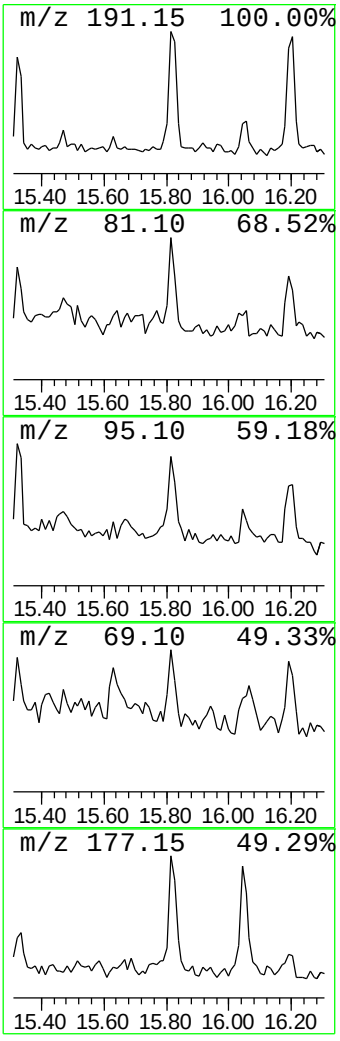
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	27
2	6-(2-Fluoro-phenyl)-5-nitro-pipe...	238	C11H11FN2O3	1000275-16-4	25
3	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	25
4	Butanoic acid, 4-(4-hydroxyphenyl...	209	C10H11NO4	062558-67-2	22
5	4,5-Dihydrothiazol-4-one, 2-(2-m...	222	C10H10N2O2S	022476-61-5	20











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Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

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TIC Library : C:\DATABASE\NIST02.L
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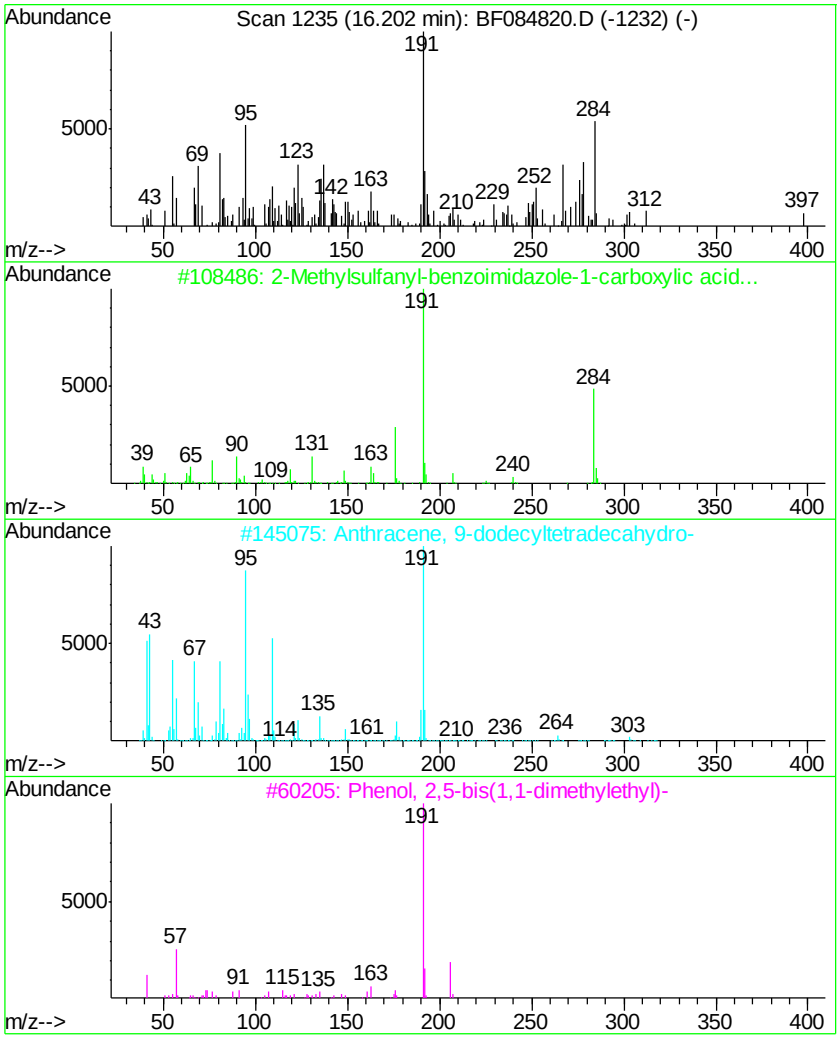
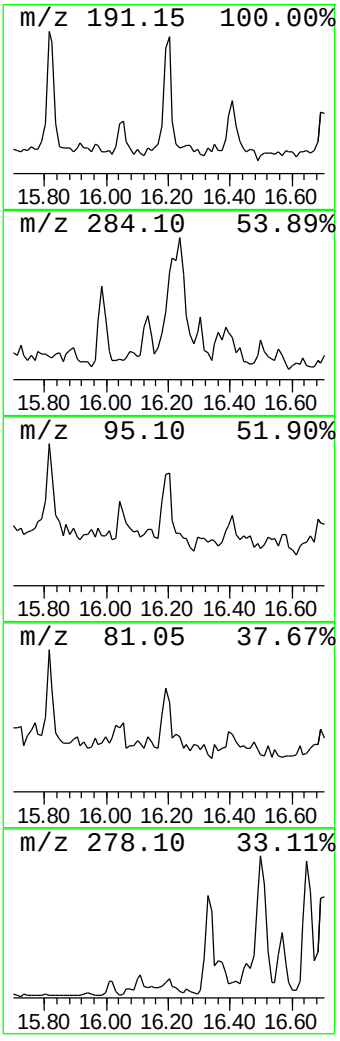
Peak Number 15 unknown16.20 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	4.16 ng	217904	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylsulfanyl-benzoimidazole-...	284	C15H12N2O2S	1000294-32-8	25
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	25
3	Phenol, 2,5-bis(1,1-dimethylethyl)-	206	C14H22O	005875-45-6	18
4	Silane, [4-(1,1-dimethylethyl)ph...	206	C13H22Si	018412-68-5	18
5	Propenamide, 3-(3-methoxyphenyl)...	191	C11H13NO2	1000259-85-9	18





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ClientSampleId : S4-B008(5-7)

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TIC Library : C:\DATABASE\NIST02.L
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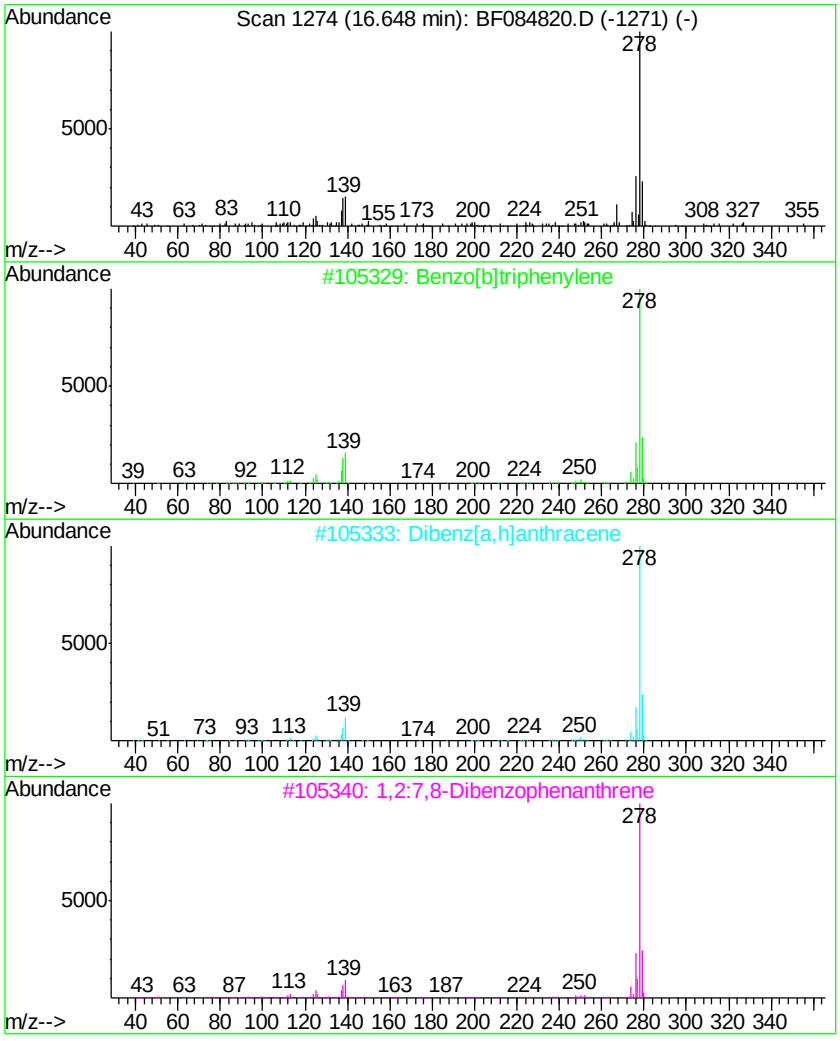
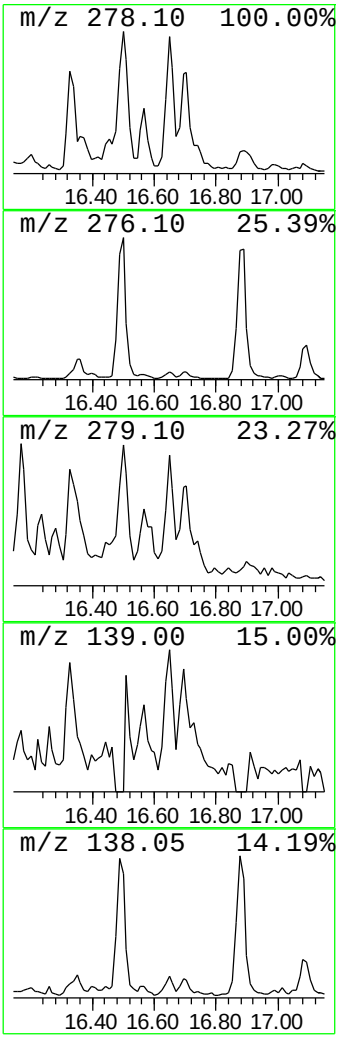
Peak Number 16 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	3.14 ng	164259	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	92
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	89
5	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	89





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ClientSampleId : S4-B008(5-7)

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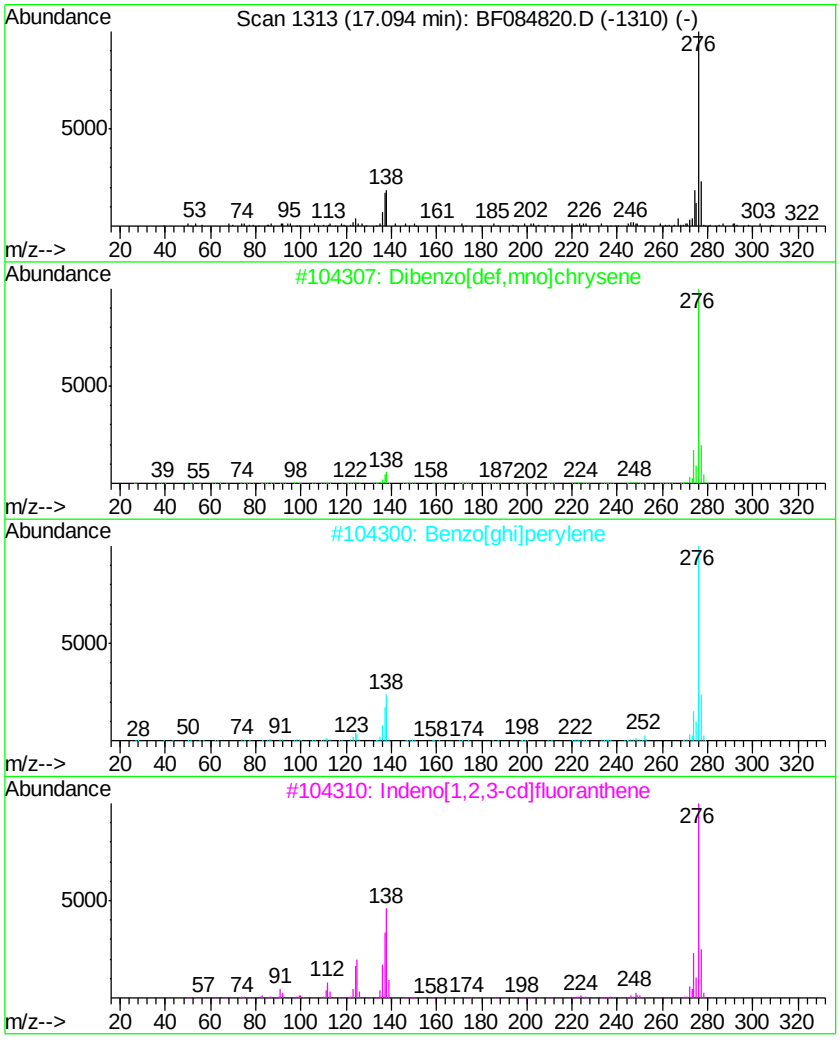
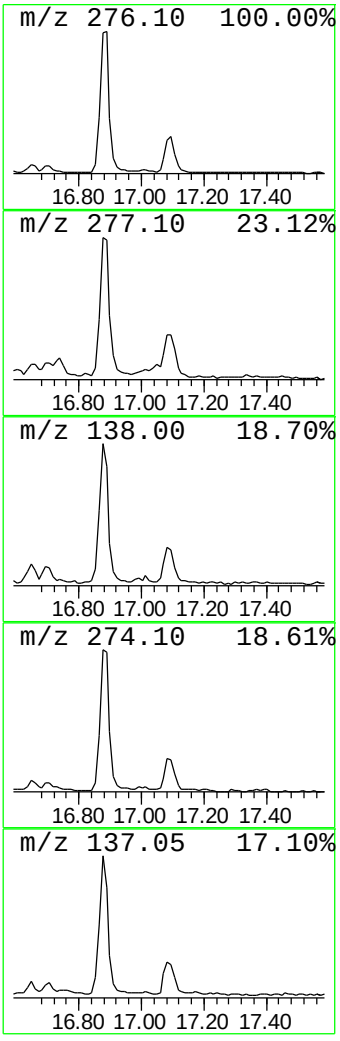
Peak Number 17 Dibenzo[def,mno]chrysene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	3.59 ng	187953	Perylene-d12	15.21

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	91
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
4	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	83
5	2-Amino-3-cyano-4,5-diphenylthio...	276	C17H12N2S	042160-34-9	59





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

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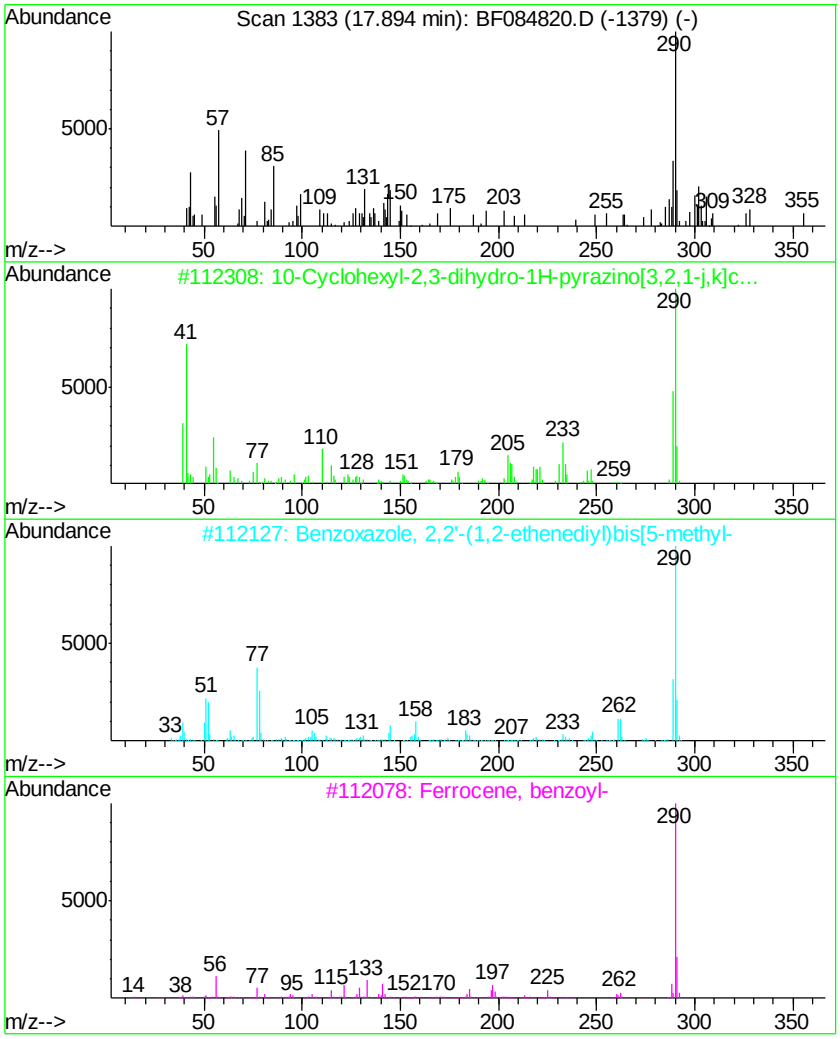
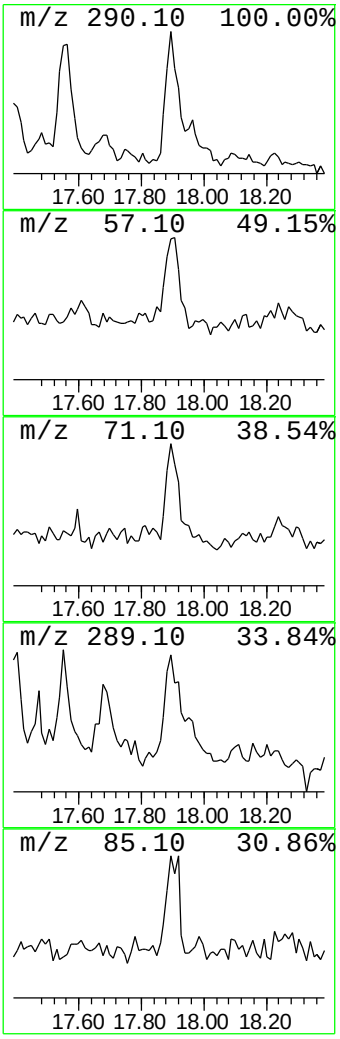
Peak Number 18 unknown17.89 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	4.52 ng	236868	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Cyclohexyl-2,3-dihydro-1H-pyr...	290	C20H22N2	157056-89-8	49
2	Benzoxazole, 2,2'-(1,2-ethenediy...	290	C18H14N2O2	001041-00-5	43
3	Ferrocene, benzoyl-	290	C17H14FeO	001272-44-2	43
4	2-Hydroxy-4-phenyl-6-phenacylpyr...	290	C18H14N2O2	050324-21-5	43
5	Benzonitrile, 2-(2-hydroxy-3,5-d...	290	C14H8Cl2N2O	316133-55-8	38





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Data File : BF084820.D
Acq On : 4 Feb 2016 7:52
Operator : SJ/IZ
Sample : H1322-04 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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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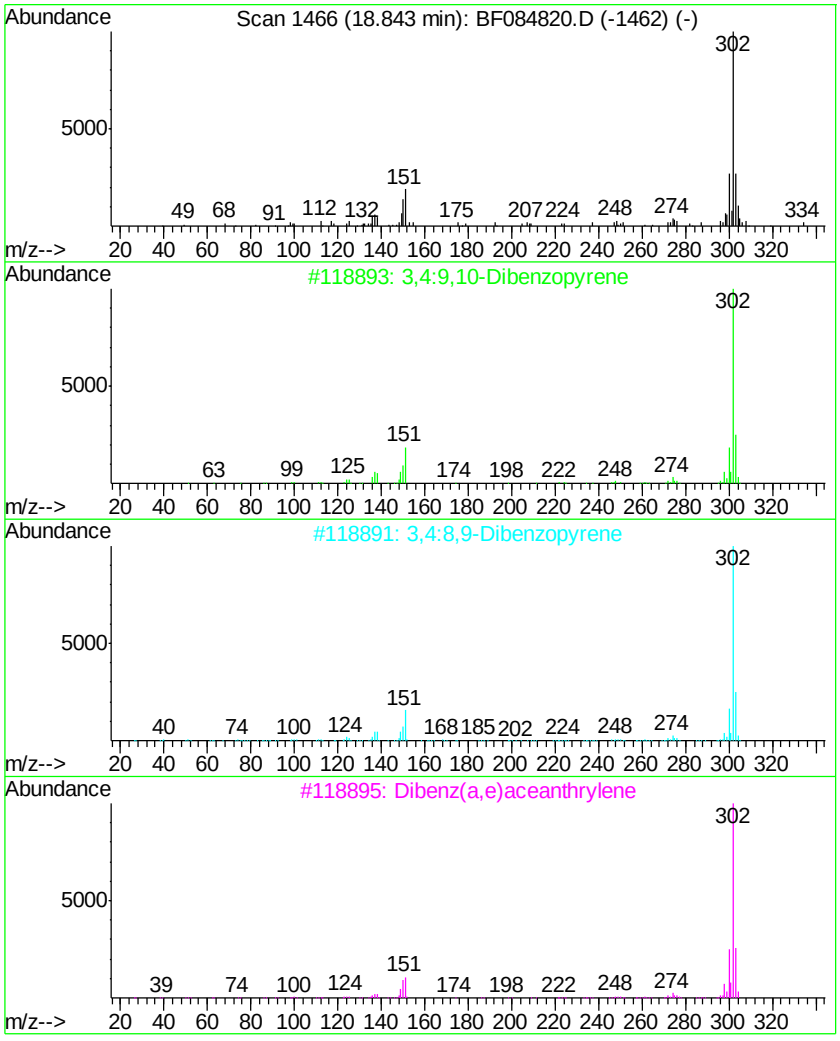
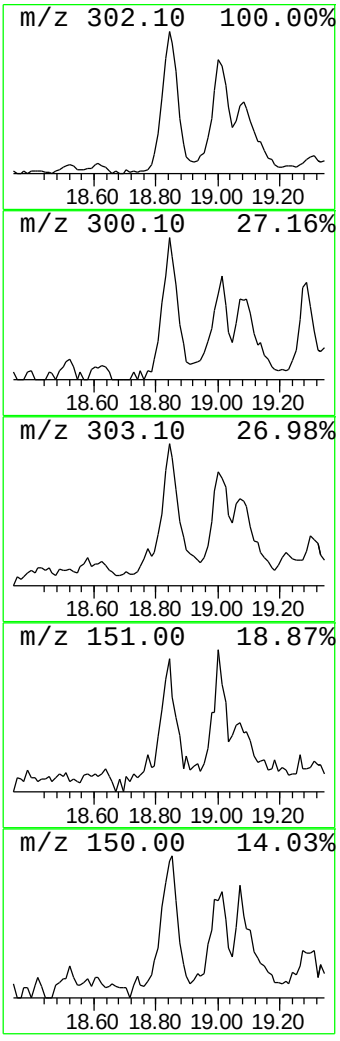
Peak Number 19 3,4:9,10-Dibenzopyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	4.98 ng	260982	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	97
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
4	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	81
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	70





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
Data File : BF084820.D
Acq On : 4 Feb 2016 7:52
Operator : SJ/IZ
Sample : H1322-04 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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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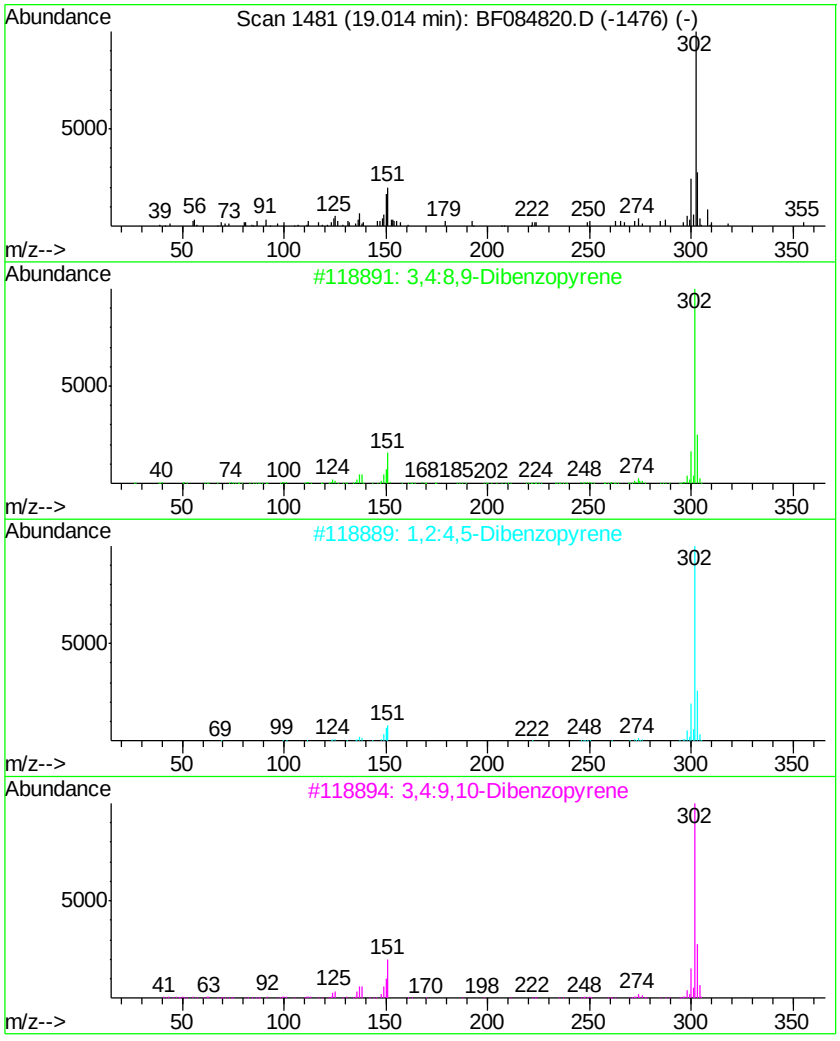
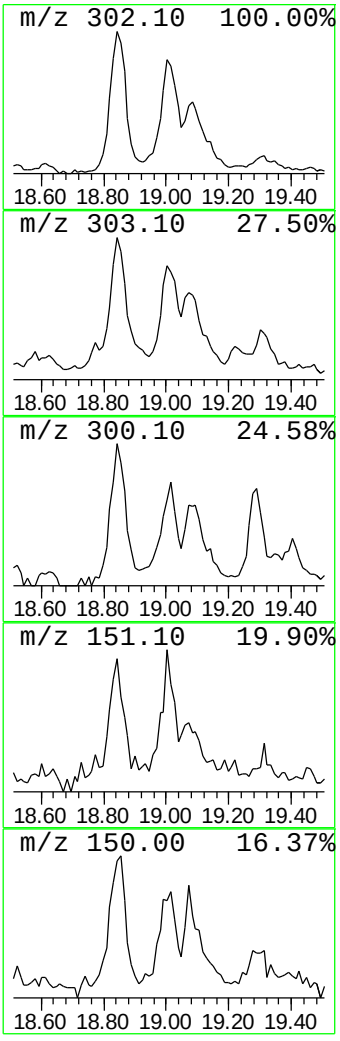
Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	3.03 ng	158595	Perylene-d12	15.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	90
3	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	90
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	81
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020316\
Data File : BF084820.D
Acq On : 4 Feb 2016 7:52
Operator : SJ/IZ
Sample : H1322-04 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B008(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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...	4.82	8.3	ng	472725	1	6.68	1131620	20.0
unknown6.45	6.45	16.8	ng	947897	1	6.68	1131620	20.0
Phenanthrene, 2-m...	11.73	3.1	ng	480890	4	11.21	3053500	20.0
4H-Cyclopenta[def...	11.81	5.8	ng	881355	4	11.21	3053500	20.0
Fluoranthene, 2-m...	12.85	3.3	ng	444265	5	13.84	2686740	20.0
Pyrene, 1-methyl-	12.96	3.6	ng	486535	5	13.84	2686740	20.0
11H-Benzo[b]fluorene	13.04	2.9	ng	388940	5	13.84	2686740	20.0
Heptadecane	14.32	3.0	ng	397080	5	13.84	2686740	20.0
Nonadecane	14.61	5.1	ng	266935	6	15.21	1047510	20.0
Anthracene, 9-phe...	14.68	3.8	ng	200610	6	15.21	1047510	20.0
Benzo[e]pyrene	15.09	13.5	ng	706759	6	15.21	1047510	20.0
unknown15.81	15.81	2.9	ng	149919	6	15.21	1047510	20.0
unknown16.20	16.20	4.2	ng	217904	6	15.21	1047510	20.0
Benzo[b]triphenylene	16.65	3.1	ng	164259	6	15.21	1047510	20.0
Dibenzo[def,mno]c...	17.09	3.6	ng	187953	6	15.21	1047510	20.0
unknown17.89	17.89	4.5	ng	236868	6	15.21	1047510	20.0
3,4:9,10-Dibenzop...	18.84	5.0	ng	260982	6	15.21	1047510	20.0
3,4:8,9-Dibenzopy...	19.01	3.0	ng	158595	6	15.21	1047510	20.0