LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093206.D
Acq On : 27 Feb 2017 13:58
Operator : SJ/MA
Sample : I1973-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-B2-SOUTHSW-1

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-BF013017.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	4.990	251	254	261	rBV	894349	1312640	41.44%	2.671%
2	5.424	290	292	295	rBV	2808383	2875771	90.80%	5.851%
3	6.476	382	384	387	rBV	2770093	3021597	95.40%	6.148%
4	6.602	392	395	397	rBV	3161621	3167313	100.00%	6.444%
5	6.830	412	415	417	rBV	962217	933101	29.46%	1.898%
6	6.990	426	429	431	rBV	1732019	2338202	73.82%	4.757%
7	7.322	455	458	462	rBV	79944	133787	4.22%	0.272%
8	7.402	462	465	467	rBV	2121993	2008741	63.42%	4.087%
9	7.767	493	497	498	rBV2	30098	35932	1.13%	0.073%
10	7.916	508	510	513	rVB3	33382	48105	1.52%	0.098%
11	8.076	522	524	525	rVV	36425	41934	1.32%	0.085%
12	8.122	525	528	529	rVV	1447201	1255986	39.65%	2.555%
13	8.145	529	530	532	rVB	196235	142778	4.51%	0.290%
14	8.488	557	560	563	rBV3	16566	37130	1.17%	0.076%
15	8.545	563	565	570	rVV	15561	33030	1.04%	0.067%
16	8.842	588	591	593	rBV	118211	118346	3.74%	0.241%
17	8.933	597	599	601	rVB	91601	99558	3.14%	0.203%
18	9.208	620	623	625	rBV	3222449	3034766	95.82%	6.175%
19	9.288	628	630	635	rVB3	38629	80762	2.55%	0.164%
20	9.402	638	640	644	rVB	29312	31854	1.01%	0.065%
21	9.470	644	646	648	rBV	60539	82117	2.59%	0.167%
22	9.539	650	652	654	rBV	97986	126433	3.99%	0.257%
23	9.608	656	658	660	rVB	360474	370003	11.68%	0.753%
24	9.665	660	663	668	rVB	33959	58089	1.83%	0.118%
25	9.745	668	670	672	rVB	185227	156999	4.96%	0.319%
26	9.813	675	676	679	rBV2	61918	50348	1.59%	0.102%
27	9.882	680	682	684	rVV	1251671	1129020	35.65%	2.297%
28	9.916	684	685	687	rVB	300867	223872	7.07%	0.455%
29	10.042	694	696	698	rBV3	41508	55401	1.75%	0.113%
30	10.088	698	700	702	rBV	204869	201530	6.36%	0.410%
31	10.122	702	703	706	rVB2	33871	45375	1.43%	0.092%
32	10.202	708	710	711	rBV	43675	45414	1.43%	0.092%
33	10.225	711	712	716	rVB2	28213	39639	1.25%	0.081%
34	10.293	716	718	719	rBV	47733	91059	2.87%	0.185%

LSC Area Percent Report

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Sample : I1973-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-B2-SOUTHSW-1

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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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.316	719	720	721	rVB	97333	66770	2.11%	0.136%
36	10.385	723	726	728	rBV3	17751	43220	1.36%	0.088%
37	10.431	728	730	733	rVB	268760	243032	7.67%	0.494%
38	10.533	733	739	742	rBV4	52613	213635	6.74%	0.435%
39	10.591	742	744	745	rVB	71531	68415	2.16%	0.139%
40	10.671	749	751	754	rBV2	1167328	1320221	41.68%	2.686%
41	10.796	759	762	766	rVB2	132413	226219	7.14%	0.460%
42	10.876	766	769	771	rBV4	23255	43500	1.37%	0.089%
43	10.979	775	778	779	rBV2	73355	95692	3.02%	0.195%
44	11.128	787	791	794	rBV2	60357	141927	4.48%	0.289%
45	11.174	794	795	797	rVV	88817	94336	2.98%	0.192%
46	11.231	797	800	802	rVV2	121990	185865	5.87%	0.378%
47	11.265	802	803	806	rVB	178807	140453	4.43%	0.286%
48	11.391	810	814	816	rBV2	1766677	2636267	83.23%	5.364%
49	11.448	816	819	820	rVV	448672	459848	14.52%	0.936%
50	11.482	820	822	823	rVB2	45721	47786	1.51%	0.097%
51	11.608	829	833	836	rBV2	165400	281149	8.88%	0.572%
52	11.665	836	838	840	rVV3	94415	134855	4.26%	0.274%
53	11.699	840	841	844	rVB3	45843	65000	2.05%	0.132%
54	11.871	853	856	857	rBV	224855	219844	6.94%	0.447%
55	11.894	857	858	860	rVB	246501	255116	8.05%	0.519%
56	11.939	860	862	864	rBV2	98130	165026	5.21%	0.336%
57	11.985	864	866	870	rVB	304836	510564	16.12%	1.039%
58	12.065	870	873	875	rBV3	63719	118756	3.75%	0.242%
59	12.168	878	882	883	rVV	127937	188533	5.95%	0.384%
60	12.191	883	884	886	rVB	115743	119940	3.79%	0.244%
61	12.317	892	895	896	rBV2	58043	86313	2.73%	0.176%
62	12.419	901	904	905	rBV	173422	218234	6.89%	0.444%
63	12.454	905	907	910	rVV3	124653	200363	6.33%	0.408%
64	12.511	910	912	916	rVV	125761	169584	5.35%	0.345%
65	12.579	916	918	921	rVV	1769040	1908056	60.24%	3.882%
66	12.648	921	924	925	rVB2	47048	63070	1.99%	0.128%
67	12.671	925	926	928	rVB	57912	62469	1.97%	0.127%
68	12.728	928	931	933	rBV3	88163	146009	4.61%	0.297%
69	12.808	935	938	941	rVV	1638961	2086744	65.88%	4.246%
70	12.865	941	943	946	rVB2	76161	100650	3.18%	0.205%
71	12.957	948	951	953	rVV	1778834	2088485	65.94%	4.249%

LSC Area Percent Report

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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.025	953	957	959	rVV3	114161	246331	7.78%	0.501%
73	13.139	963	967	969	rVV	244220	391935	12.37%	0.797%
74	13.208	969	973	974	rVV2	111793	170303	5.38%	0.347%
75	13.242	974	976	980	rVV2	211678	296106	9.35%	0.602%
76	13.334	982	984	985	rVV	128478	110803	3.50%	0.225%
77	13.368	985	987	990	rVB3	98897	143770	4.54%	0.293%
78	13.539	998	1002	1003	rBV3	57384	161204	5.09%	0.328%
79	13.642	1010	1011	1014	rVB	122265	157187	4.96%	0.320%
80	13.757	1019	1021	1022	rBV	189154	206046	6.51%	0.419%
81	13.814	1024	1026	1028	rVV2	120374	279604	8.83%	0.569%
82	13.860	1028	1030	1033	rVB3	202126	342771	10.82%	0.697%
83	14.008	1038	1043	1044	rBV2	1338722	2294941	72.46%	4.669%
84	14.111	1050	1052	1053	rBV	168786	127457	4.02%	0.259%
85	14.237	1061	1063	1064	rVB2	83403	70360	2.22%	0.143%
86	14.397	1075	1077	1078	rVB	171122	172637	5.45%	0.351%
87	14.431	1078	1080	1081	rBV2	65408	76992	2.43%	0.157%
88	15.037	1130	1133	1136	rBV	859399	1686168	53.24%	3.431%
89	15.140	1140	1142	1144	rVB	141310	166762	5.27%	0.339%
90	15.323	1156	1158	1161	rBV	483429	601209	18.98%	1.223%
91	15.380	1161	1163	1166	rBV	696253	914858	28.88%	1.861%
92	15.448	1166	1169	1170	rBV	494530	776555	24.52%	1.580%
93	16.854	1289	1292	1300	rVB	298627	676921	21.37%	1.377%
94	17.277	1326	1329	1334	rBV	208432	435891	13.76%	0.887%

Sum of corrected areas: 49149389

LSC Report - Integrated Chromatogram

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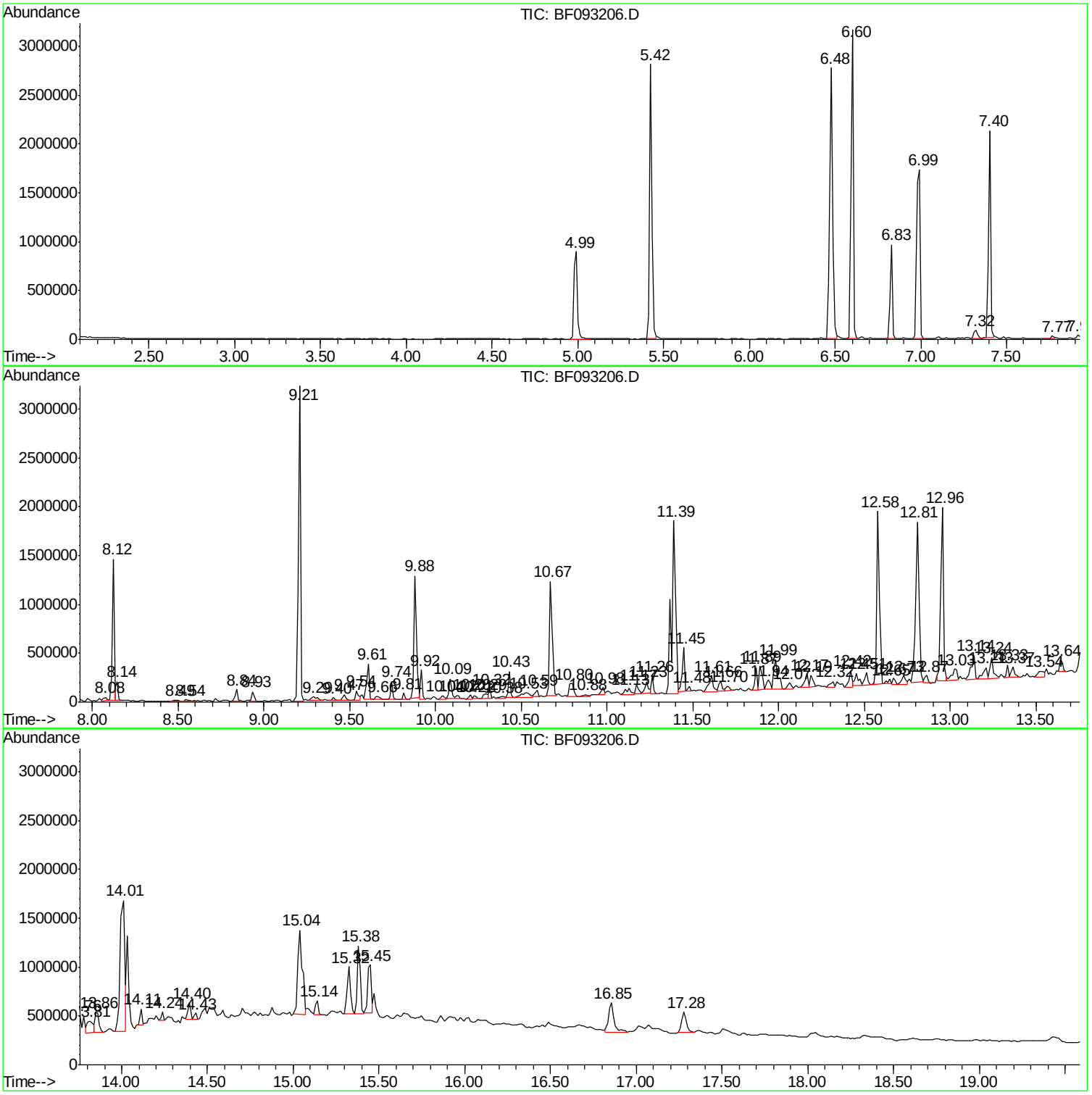
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-B2-SOUTHSW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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\BF022717\
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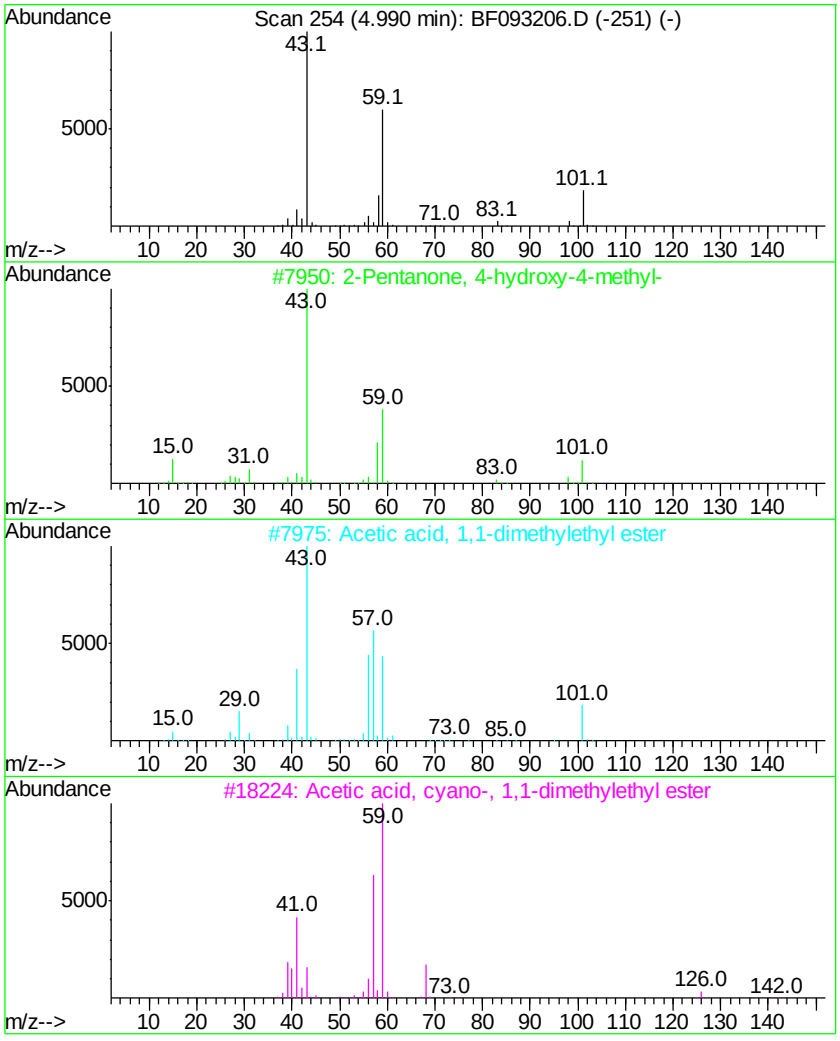
TIC Integration Parameters: LSCINT.P

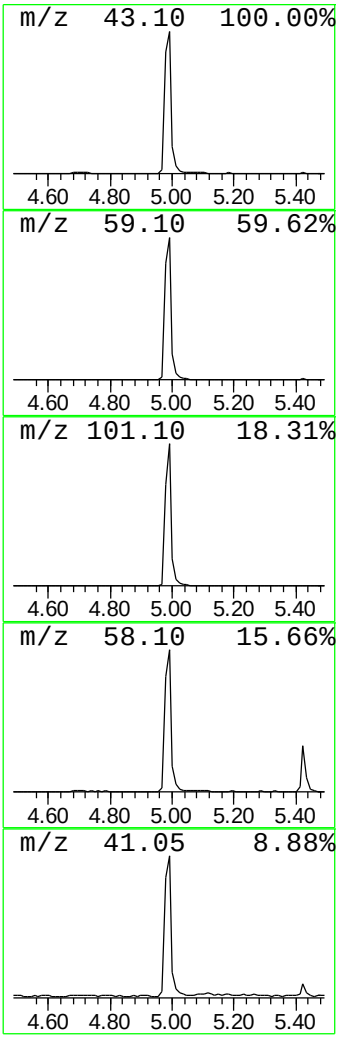
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	28.14 ng	1312640	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
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	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9
5	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	9





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Sample : I1973-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-B2-SOUTHSW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

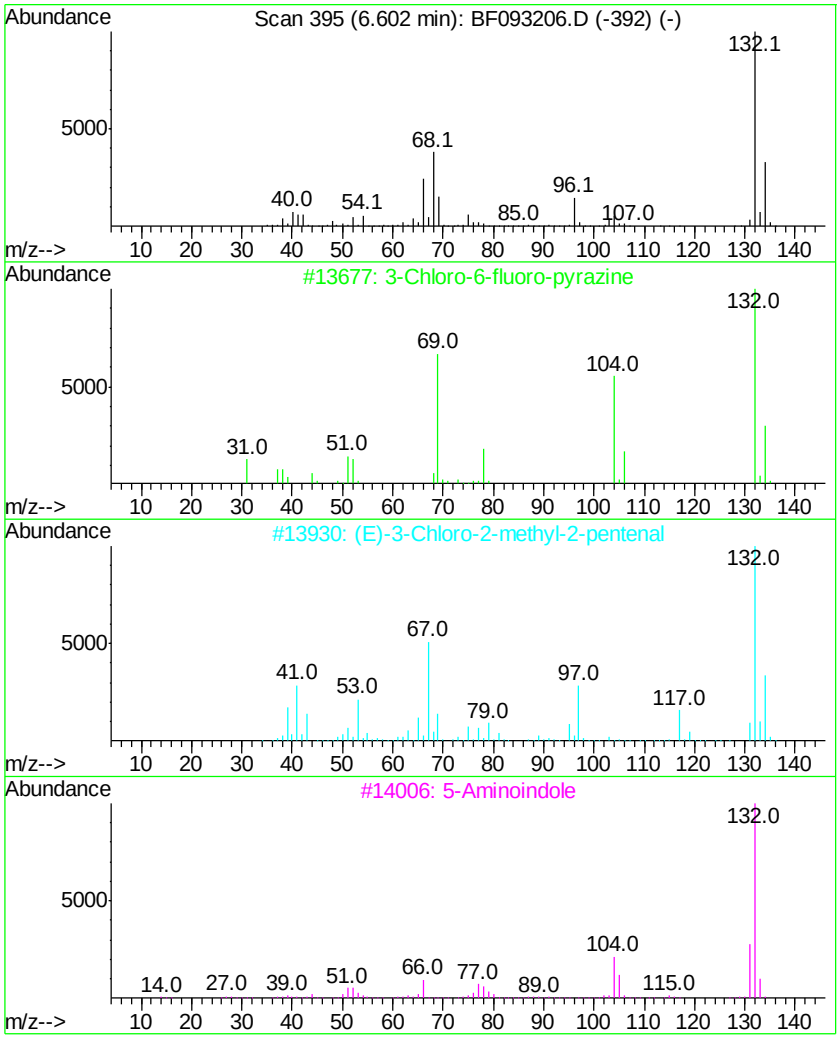
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

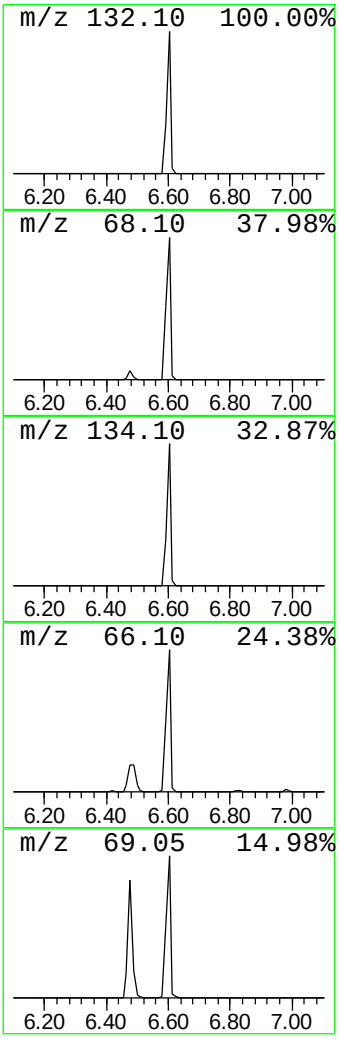
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	67.89 ng	3167310	1,4-Dichlorobenzene-d4	6.83

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





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ClientSampleId : E2-B1-B2-SOUTHSW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

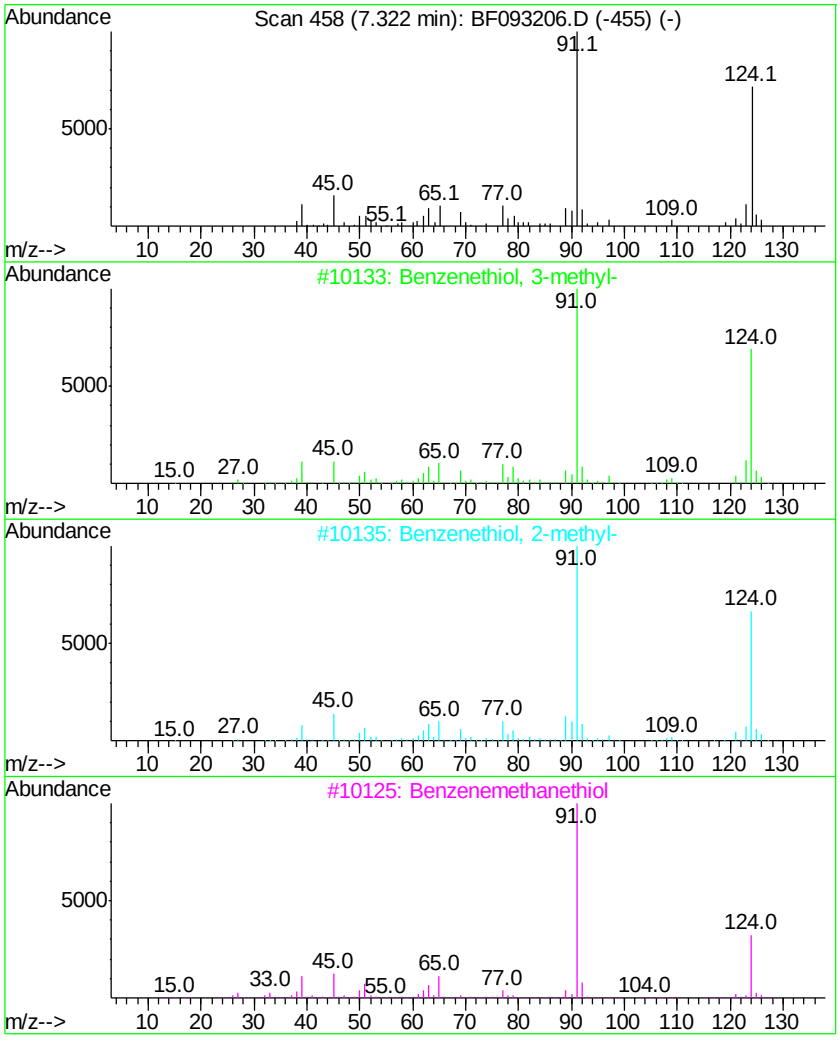
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

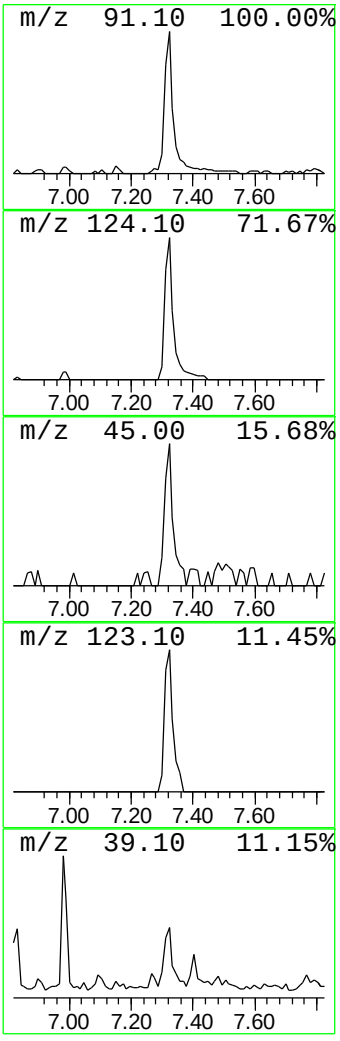
****

Peak Number 4 Benzenethiol, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	2.87 ng	133787	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenethiol, 3-methyl-	124	C7H8S	000108-40-7	94
2	Benzenethiol, 2-methyl-	124	C7H8S	000137-06-4	94
3	Benzenemethanethiol	124	C7H8S	000100-53-8	64
4	Benzenethiol, 4-methyl-	124	C7H8S	000106-45-6	64
5	Benzene, (methylthio)-	124	C7H8S	000100-68-5	43





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

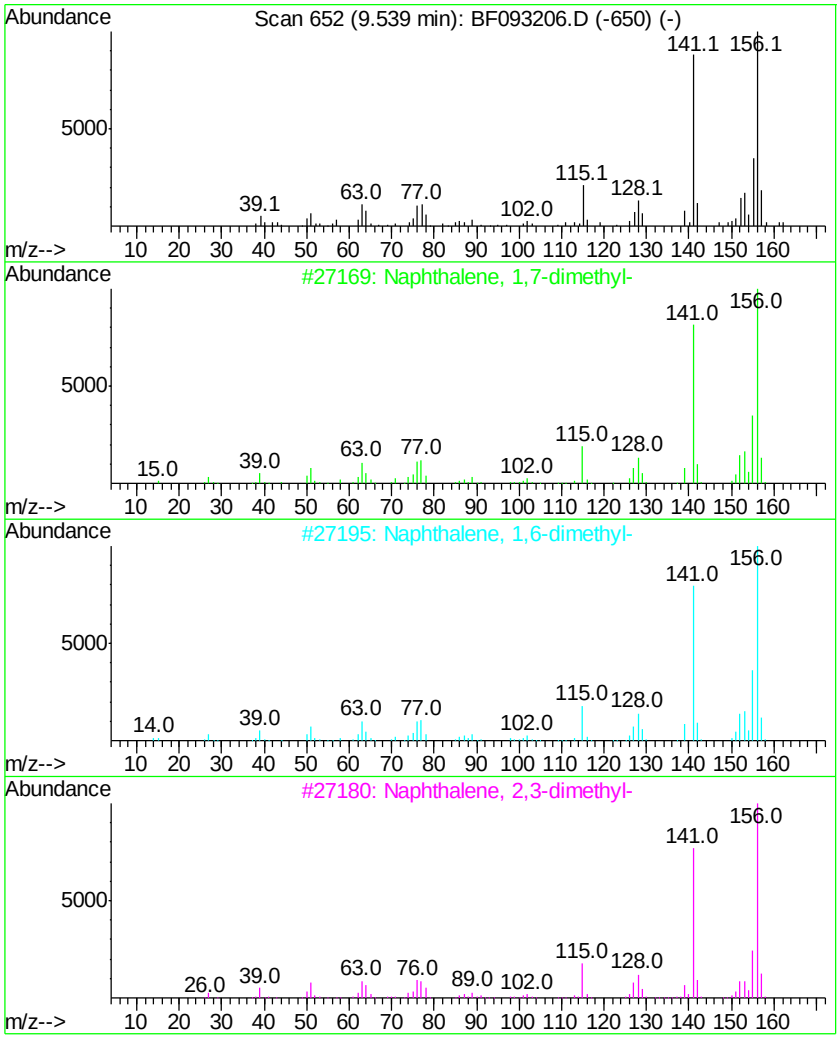
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

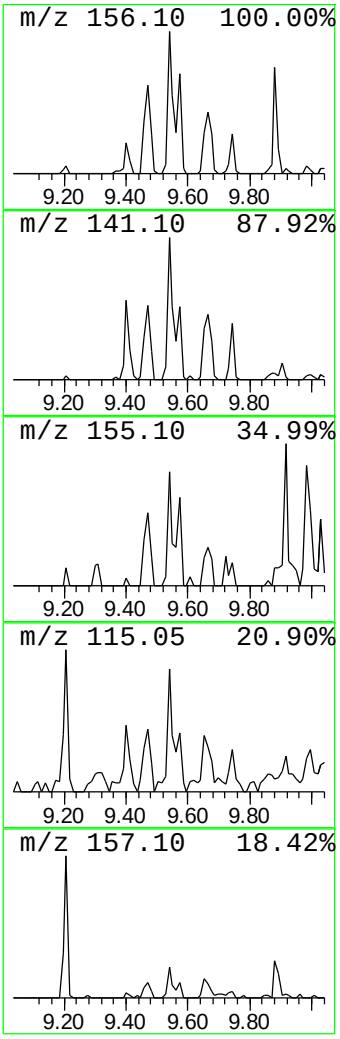
****

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	2.24 ng	126433	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





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Misc :
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Instrument : BNA_F
ClientSampleId : E2-B1-B2-SOUTHSW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

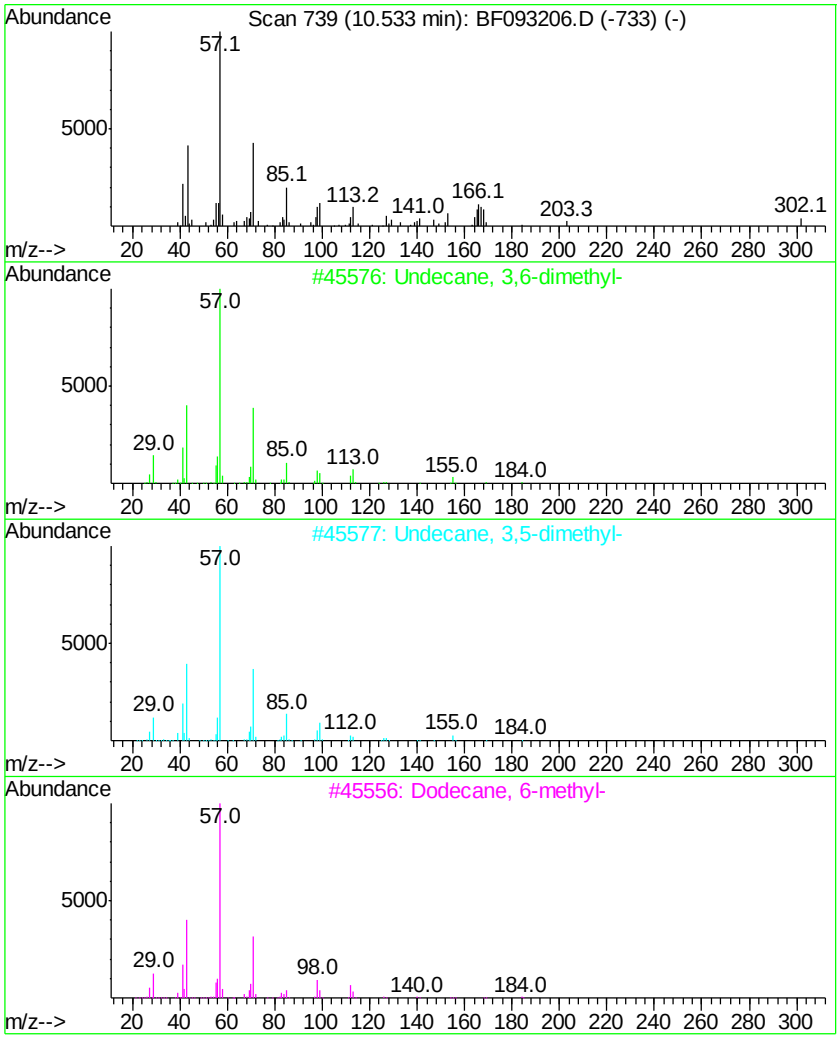
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

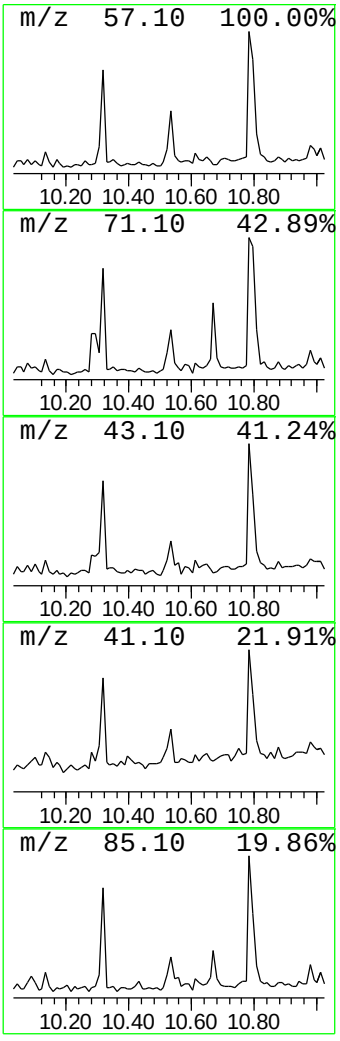
****

Peak Number 6 Undecane, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	3.78 ng	213635	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
2	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	58
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	55
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	52
5	Heneicosane	296	C21H44	000629-94-7	50





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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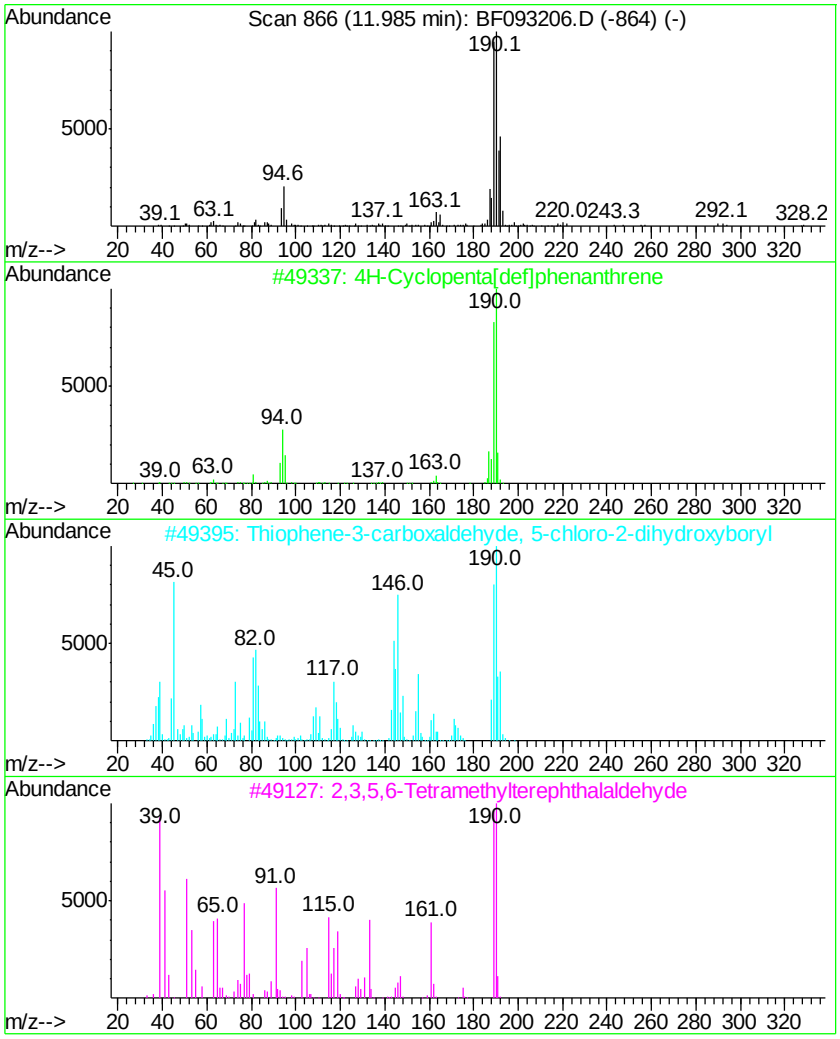
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

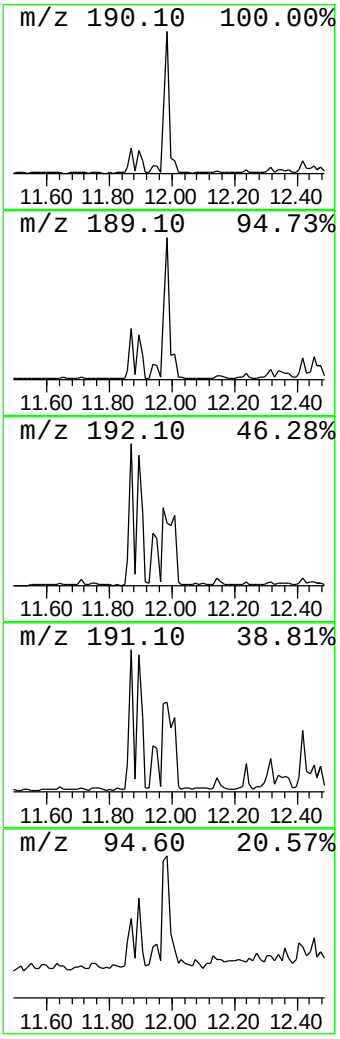
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.87 ng	510564	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Data File : BF093206.D
Acq On : 27 Feb 2017 13:58
Operator : SJ/MA
Sample : I1973-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-B2-SOUTHSW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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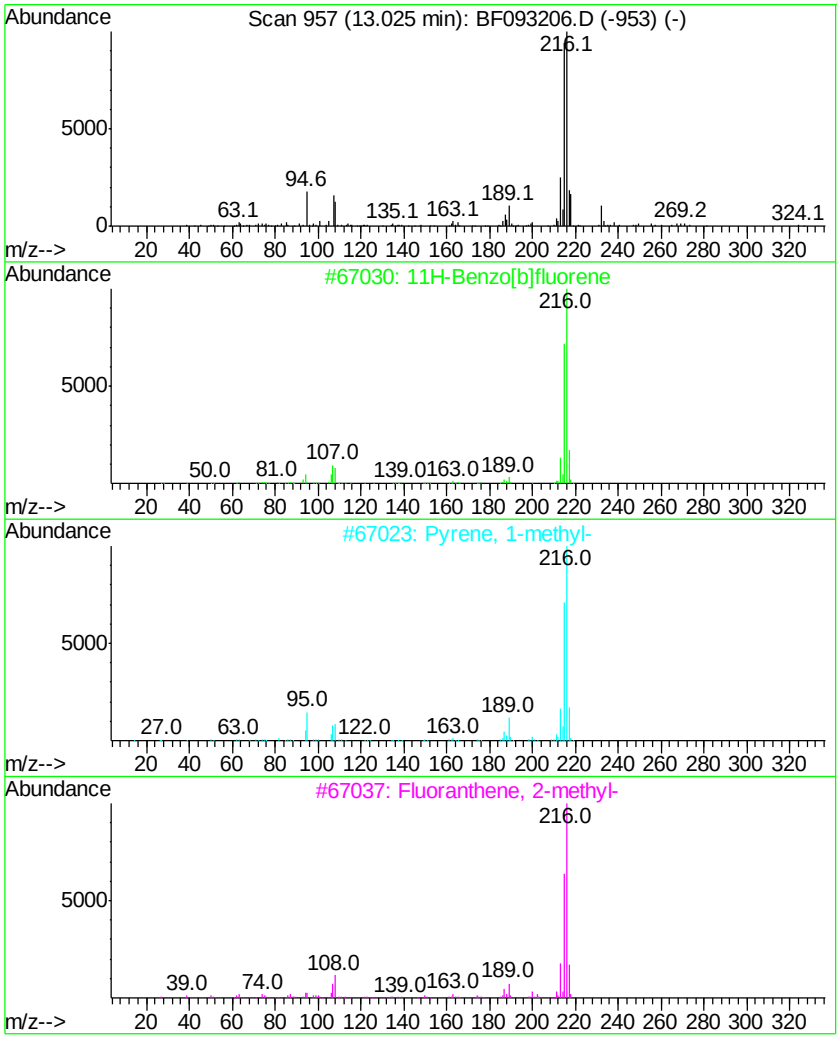
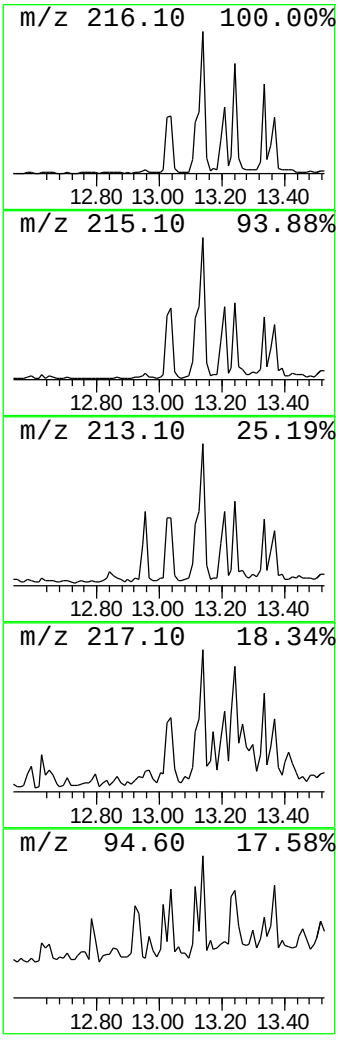
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.15 ng	246331	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
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	68





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Sample : I1973-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-B2-SOUTHSW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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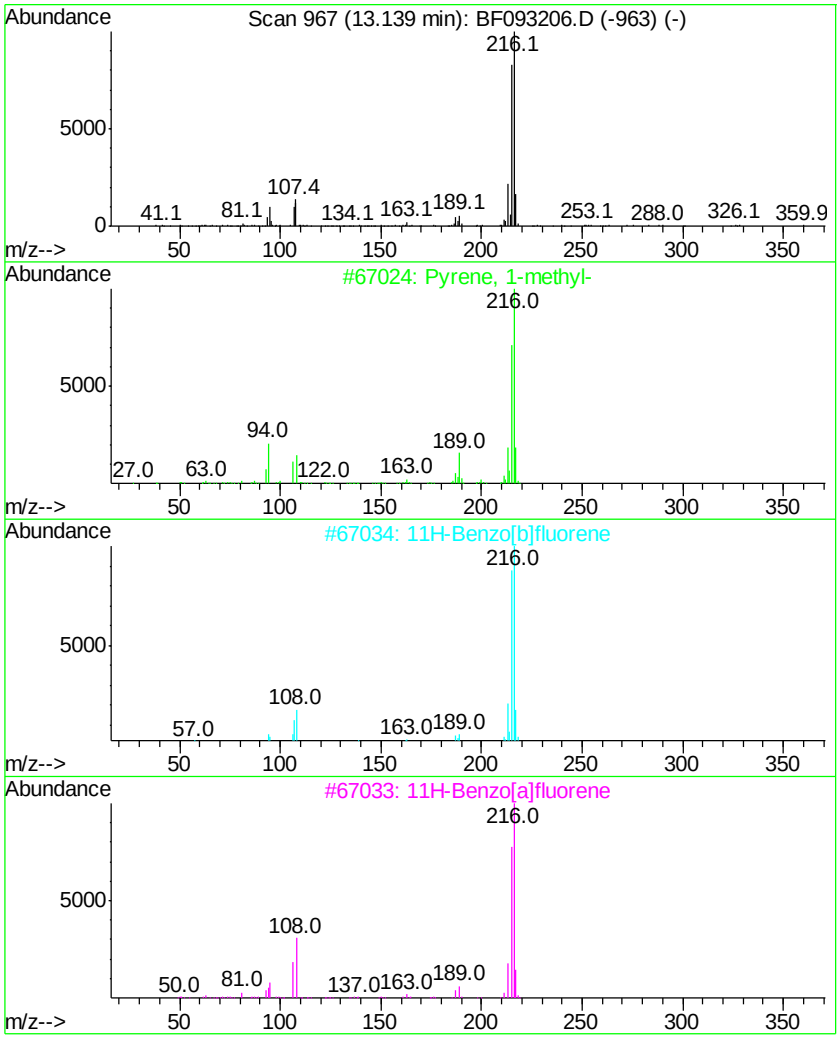
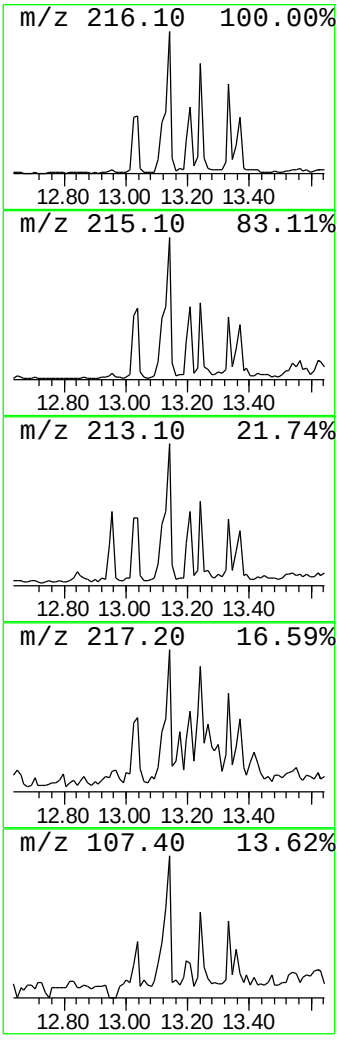
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	3.42 ng	391935	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





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Operator : SJ/MA
Sample : I1973-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-B2-SOUTHSW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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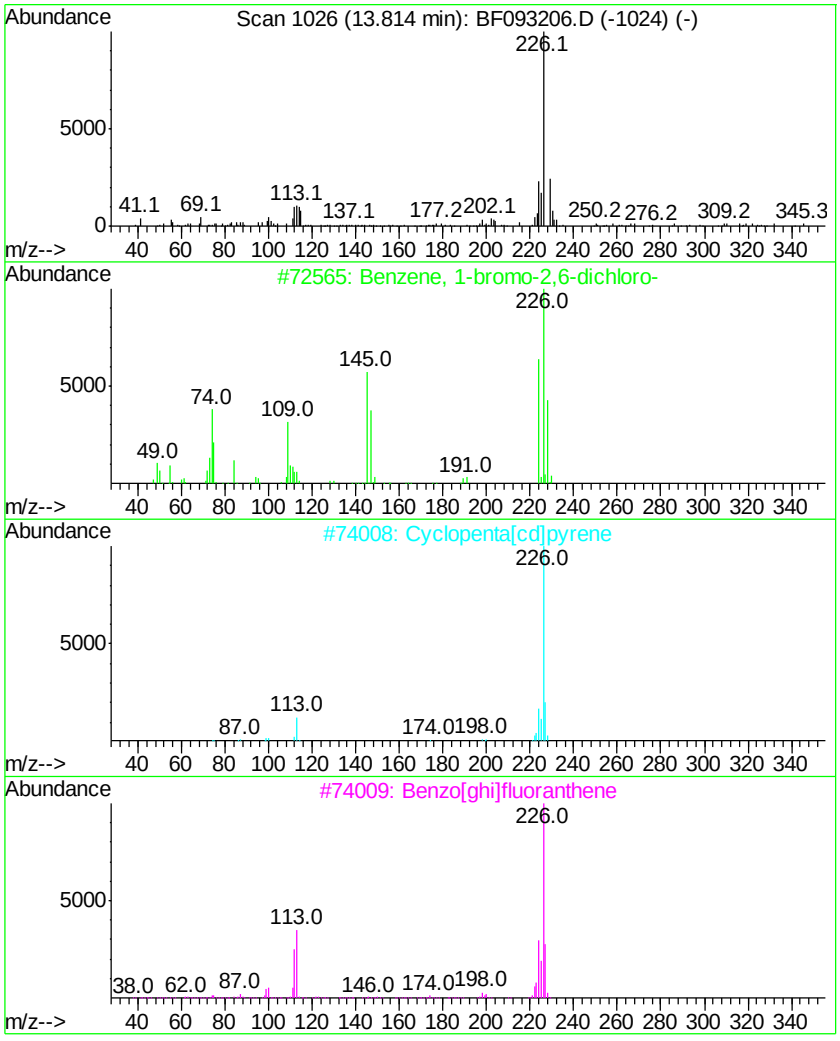
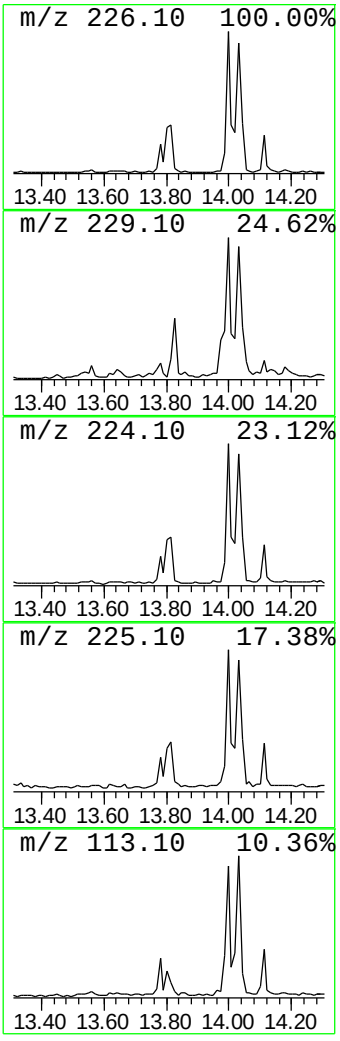
Peak Number 11 Benzene, 1-bromo-2,6-dichloro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	2.44 ng	279604	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	53
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46
4	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	25
5	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	16





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Sample : I1973-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-B2-SOUTHSW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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TIC Library : C:\DATABASE\NIST02.L
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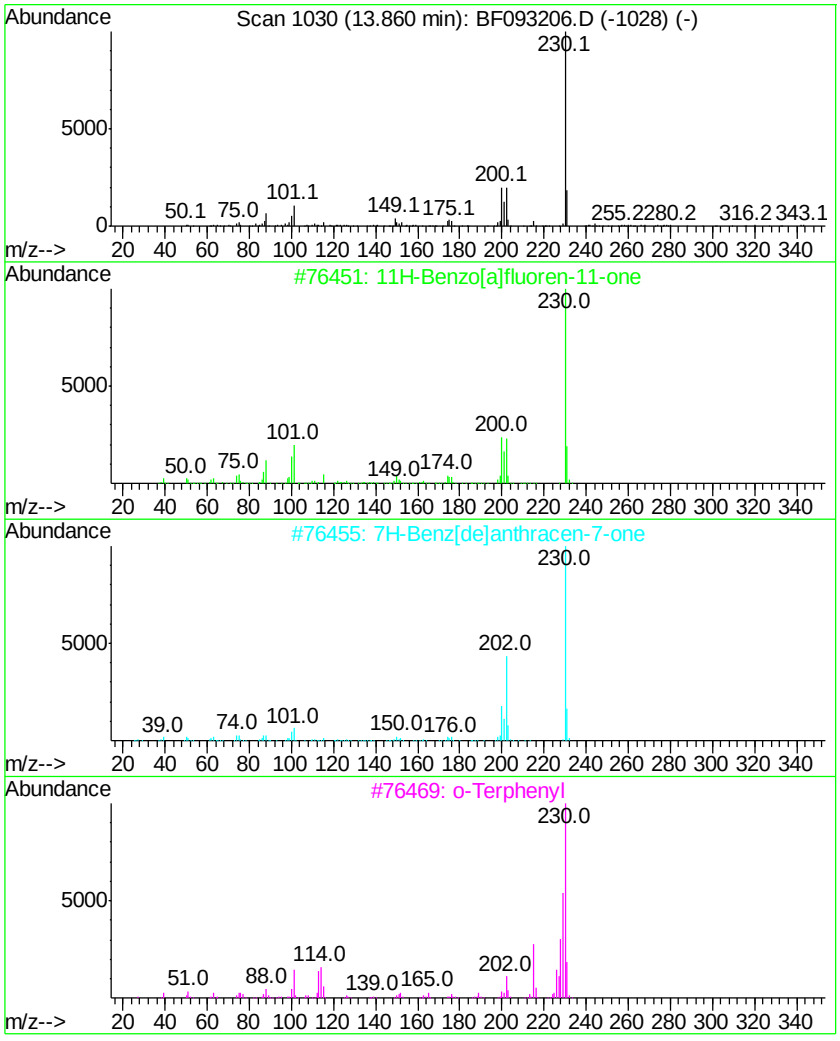
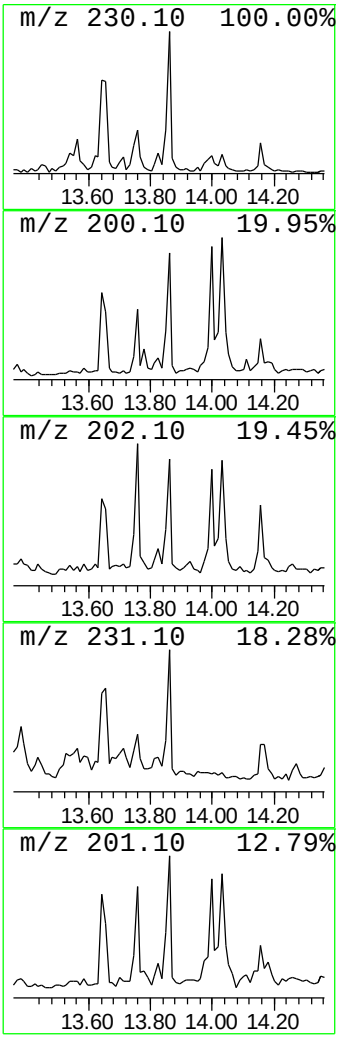
Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	2.99 ng	342771	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
3	o-Terphenyl	230	C18H14	000084-15-1	58
4	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	56
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





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Sample : I1973-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-B2-SOUTHSW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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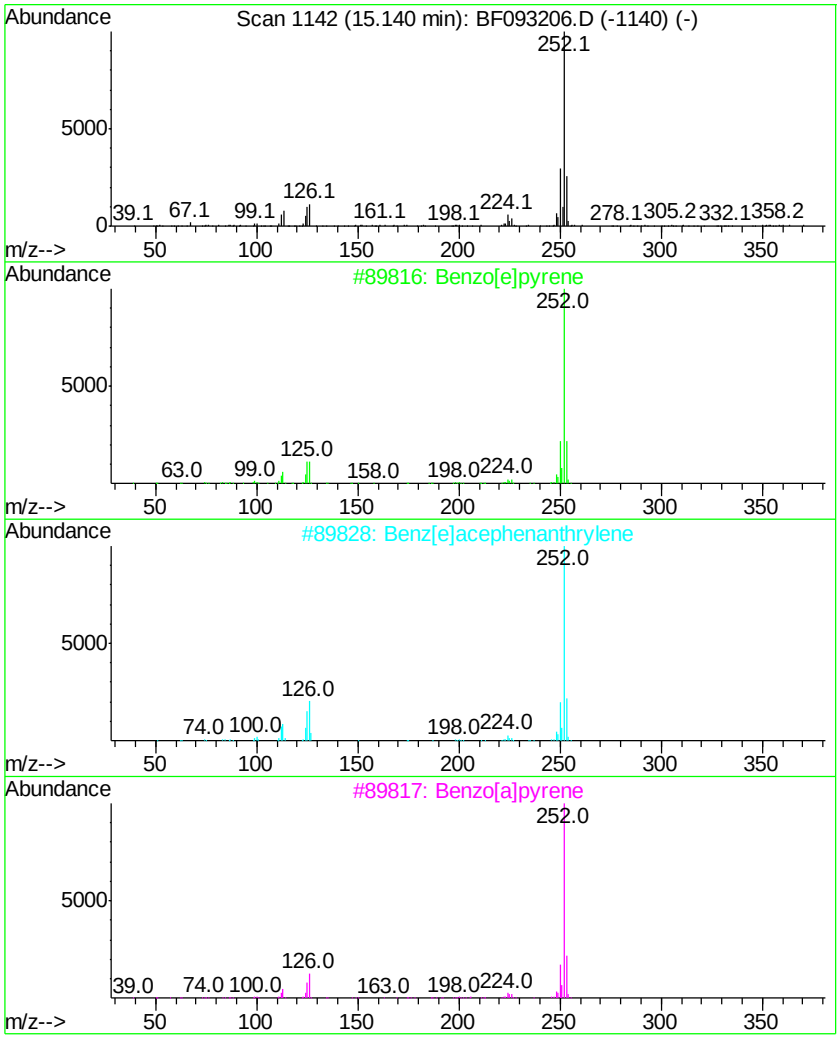
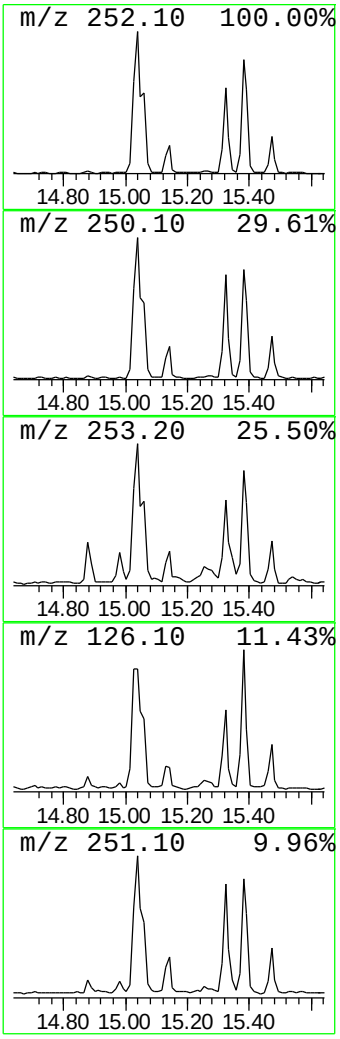
Peak Number 13 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	4.29 ng	166762	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	83





Tentatively Identified Compound (LSC) summary

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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...	4.99	28.1	ng	1312640	1	6.83	933101	20.0
unknown6.60	6.60	67.9	ng	3167310	1	6.83	933101	20.0
Benzenethiol, 3-m...	7.32	2.9	ng	133787	1	6.83	933101	20.0
Naphthalene, 1,7-...	9.54	2.2	ng	126433	3	9.88	1129020	20.0
Undecane, 3,6-dim...	10.53	3.8	ng	213635	3	9.88	1129020	20.0
4H-Cyclopenta[def...	11.99	3.9	ng	510564	4	11.37	2636270	20.0
11H-Benzo[b]fluorene	13.03	2.1	ng	246331	5	14.01	2294940	20.0
Pyrene, 1-methyl-	13.14	3.4	ng	391935	5	14.01	2294940	20.0
Benzene, 1-bromo-...	13.81	2.4	ng	279604	5	14.01	2294940	20.0
11H-Benzo[a]fluor...	13.86	3.0	ng	342771	5	14.01	2294940	20.0
Benzo[e]pyrene	15.14	4.3	ng	166762	6	15.45	776555	20.0