LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090477.D
Acq On : 8 Oct 2016 9:39
Operator : UM/SJ
Sample : H5134-02
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

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-BF100516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.183	246	249	252	rBV	868794	1066825	15.65%	1.192%
2	5.606	283	286	288	rVB	4726870	5027135	73.74%	5.619%
3	6.623	372	375	377	rBV	4671837	5145476	75.48%	5.751%
4	6.760	384	387	389	rBV	5354906	5151414	75.57%	5.758%
5	6.989	405	407	409	rVB	1685764	1433929	21.03%	1.603%
6	7.046	411	412	416	rBV2	40040	69175	1.01%	0.077%
7	7.149	418	421	422	rVV	3154638	3413251	50.07%	3.815%
8	7.251	425	430	433	rVB3	35877	91132	1.34%	0.102%
9	7.389	439	442	444	rBV3	63689	87377	1.28%	0.098%
10	7.549	453	456	458	rVB	3015517	2781245	40.80%	3.109%
11	7.640	461	464	466	rBV3	161085	200583	2.94%	0.224%
12	7.686	466	468	470	rBV2	66796	78243	1.15%	0.087%
13	7.777	472	476	477	rBV2	51807	72044	1.06%	0.081%
14	7.914	487	488	490	rBV2	57928	73947	1.08%	0.083%
15	8.017	493	497	498	rBV2	42909	98944	1.45%	0.111%
16	8.223	512	515	517	rBV3	61138	75657	1.11%	0.085%
17	8.280	517	520	523	rVV	1769275	2343178	34.37%	2.619%
18	8.337	523	525	527	rVV2	153901	188609	2.77%	0.211%
19	8.383	527	529	532	rVB2	53568	95518	1.40%	0.107%
20	8.451	532	535	536	rBV2	53789	88434	1.30%	0.099%
21	8.566	542	545	549	rBV4	61342	126167	1.85%	0.141%
22	8.703	555	557	558	rBV	167140	184080	2.70%	0.206%
23	8.726	558	559	563	rVB3	50647	99514	1.46%	0.111%
24	8.840	565	569	570	rBV2	47940	85339	1.25%	0.095%
25	8.989	581	582	584	rVB	298352	227807	3.34%	0.255%
26	9.092	589	591	593	rVB	319948	293276	4.30%	0.328%
27	9.194	596	600	601	rBV4	48037	102782	1.51%	0.115%
28	9.297	608	609	612	rBV2	162801	222048	3.26%	0.248%
29	9.354	612	614	616	rVB	5311837	4441918	65.16%	4.965%
30	9.457	619	623	624	rBV2	134044	305149	4.48%	0.341%
31	9.549	629	631	634	rVB3	74196	138955	2.04%	0.155%
32	9.617	634	637	639	rBV2	172909	288984	4.24%	0.323%
33	9.697	639	644	647	rVV2	284159	611424	8.97%	0.683%
34	9.754	647	649	651	rVV	1708106	2196045	32.21%	2.455%

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Misc :
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Instrument : BNA_F
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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-BF100516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.812	651	654	659	rVB2	239943	384849	5.65%	0.430%
36	9.892	659	661	664	rBV	296742	399186	5.86%	0.446%
37	9.949	664	666	669	rVV2	95078	129522	1.90%	0.145%
38	10.040	670	674	675	rVV	2503369	2374413	34.83%	2.654%
39	10.075	675	677	678	rVV	1124271	1166870	17.12%	1.304%
40	10.097	678	679	681	rVB	96307	89640	1.31%	0.100%
41	10.143	681	683	685	rVB2	81720	103881	1.52%	0.116%
42	10.200	685	688	689	rBV2	92593	172328	2.53%	0.193%
43	10.235	689	691	693	rVV	386264	539117	7.91%	0.603%
44	10.280	693	695	700	rVB3	122696	225823	3.31%	0.252%
45	10.349	700	701	703	rBV	135691	205063	3.01%	0.229%
46	10.463	707	711	713	rBV3	171699	288853	4.24%	0.323%
47	10.589	720	722	724	rVB2	757664	847929	12.44%	0.948%
48	10.635	724	726	727	rBV	152011	203582	2.99%	0.228%
49	10.692	730	731	734	rVV2	322539	386875	5.68%	0.432%
50	10.737	734	735	738	rVB	215718	269309	3.95%	0.301%
51	10.829	740	743	745	rVV	3258235	3026040	44.39%	3.382%
52	10.875	745	747	749	rVB2	86783	121407	1.78%	0.136%
53	10.955	751	754	757	rVB	515348	682980	10.02%	0.763%
54	11.023	758	760	763	rBV4	62080	125747	1.84%	0.141%
55	11.137	766	770	771	rVV3	243921	352210	5.17%	0.394%
56	11.160	771	772	774	rVV2	144537	181226	2.66%	0.203%
57	11.217	776	777	779	rVB2	124513	93193	1.37%	0.104%
58	11.286	779	783	784	rBV2	196589	372579	5.47%	0.416%
59	11.332	785	787	789	rVB	287788	298912	4.38%	0.334%
60	11.389	789	792	793	rBV2	198475	376407	5.52%	0.421%
61	11.423	793	795	798	rVB	622195	601960	8.83%	0.673%
62	11.560	802	807	808	rBV2	4815340	6816921	100.00%	7.620%
63	11.606	808	811	812	rVV	1681838	1473014	21.61%	1.646%
64	11.640	812	814	815	rVB	134656	185833	2.73%	0.208%
65	11.755	821	824	825	rBV2	457091	542557	7.96%	0.606%
66	11.823	828	830	832	rVV3	137950	143149	2.10%	0.160%
67	11.858	832	833	835	rVB2	79088	74933	1.10%	0.084%
68	12.063	846	851	853	rVB2	838807	1642669	24.10%	1.836%
69	12.109	853	855	856	rBV	449807	427098	6.27%	0.477%
70	12.143	856	858	862	rVB2	973847	1379061	20.23%	1.541%
71	12.212	862	864	865	rBV2	61805	90734	1.33%	0.101%

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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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72	12.303	870	872	873	rVV2	101520	143319	2.10%	0.160%
73	12.326	873	874	878	rVB2	422548	502093	7.37%	0.561%
74	12.475	885	887	889	rBV	126802	120600	1.77%	0.135%
75	12.532	889	892	893	rVB2	127948	197881	2.90%	0.221%
76	12.578	894	896	898	rBV	243189	347659	5.10%	0.389%
77	12.623	898	900	902	rBV	221509	251022	3.68%	0.281%
78	12.669	902	904	907	rVB2	190693	230228	3.38%	0.257%
79	12.749	909	911	913	rBV	4376819	3878799	56.90%	4.336%
80	12.806	913	916	918	rVB2	108668	157638	2.31%	0.176%
81	12.841	918	919	920	rBV	290904	236317	3.47%	0.264%
82	12.898	922	924	926	rVB2	137791	125461	1.84%	0.140%
83	12.978	928	931	934	rVB	3278919	3774520	55.37%	4.219%
84	13.023	934	935	938	rVB2	184813	238742	3.50%	0.267%
85	13.092	938	941	942	rBV2	286429	556535	8.16%	0.622%
86	13.115	942	943	947	rVB	2260792	2765043	40.56%	3.091%
87	13.195	947	950	954	rBV4	254488	626818	9.20%	0.701%
88	13.309	957	960	961	rVB	449606	684583	10.04%	0.765%
89	13.366	963	965	967	rBV2	229696	339979	4.99%	0.380%
90	13.412	967	969	970	rBV2	388189	482686	7.08%	0.540%
91	13.503	976	977	978	rVB	173669	119137	1.75%	0.133%
92	14.018	1021	1022	1026	rVB	441415	470796	6.91%	0.526%
93	14.178	1033	1036	1037	rBV2	2239503	3177462	46.61%	3.552%
94	14.566	1068	1070	1072	rBV	422388	450871	6.61%	0.504%
95	15.241	1127	1129	1133	rVB	1076467	2253168	33.05%	2.519%
96	15.549	1154	1156	1160	rVB	677880	1077083	15.80%	1.204%
97	15.618	1160	1162	1165	rBV	985905	1418541	20.81%	1.586%
98	15.687	1165	1168	1169	rBV	853555	1135260	16.65%	1.269%

Sum of corrected areas: 89463715

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
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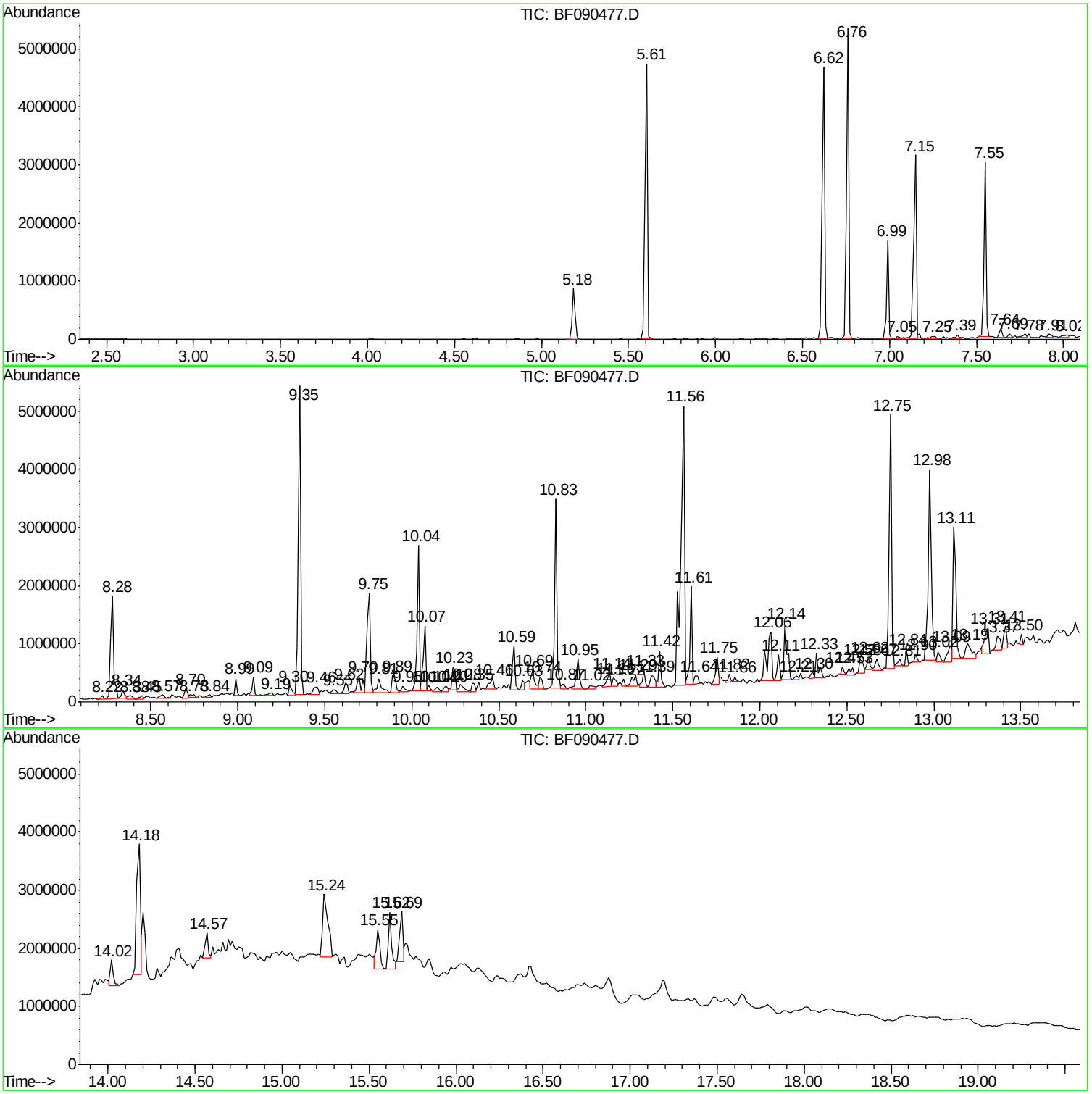
Operator : UM/SJ
Sample : H5134-02
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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\BF100716\
Data File : BF090477.D
Acq On : 8 Oct 2016 9:39
Operator : UM/SJ
Sample : H5134-02
Misc :
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Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
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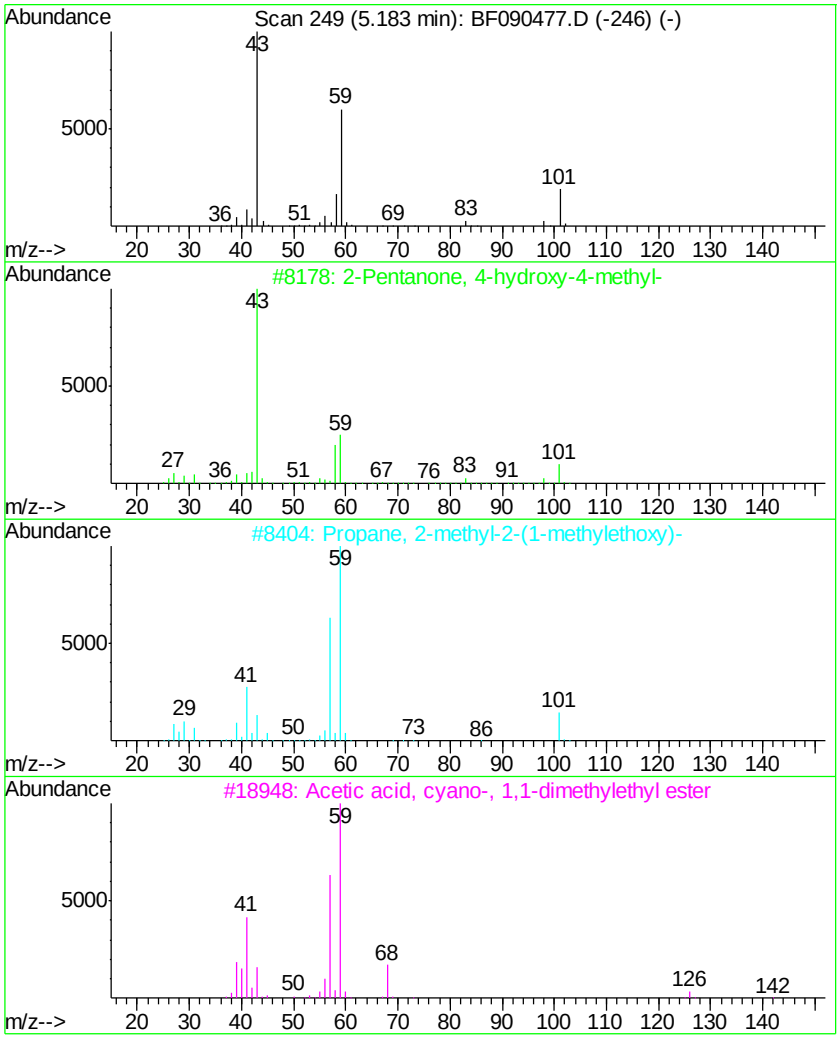
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

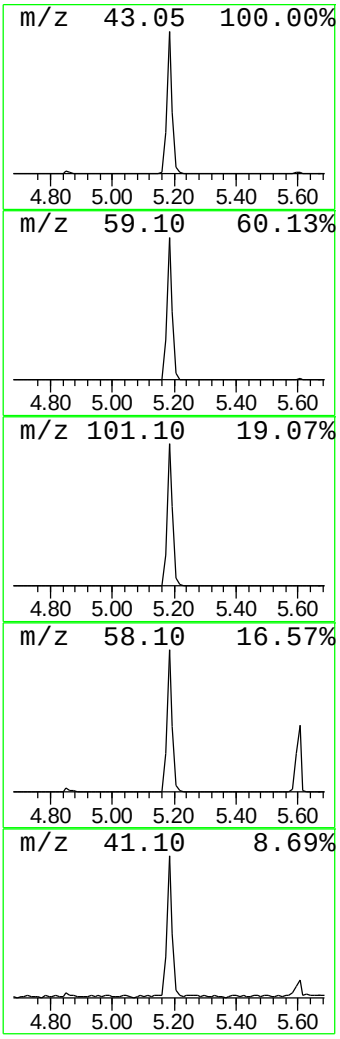
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	14.88 ng	1066830	1,4-Dichlorobenzene-d4	6.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090477.D
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Sample : H5134-02
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

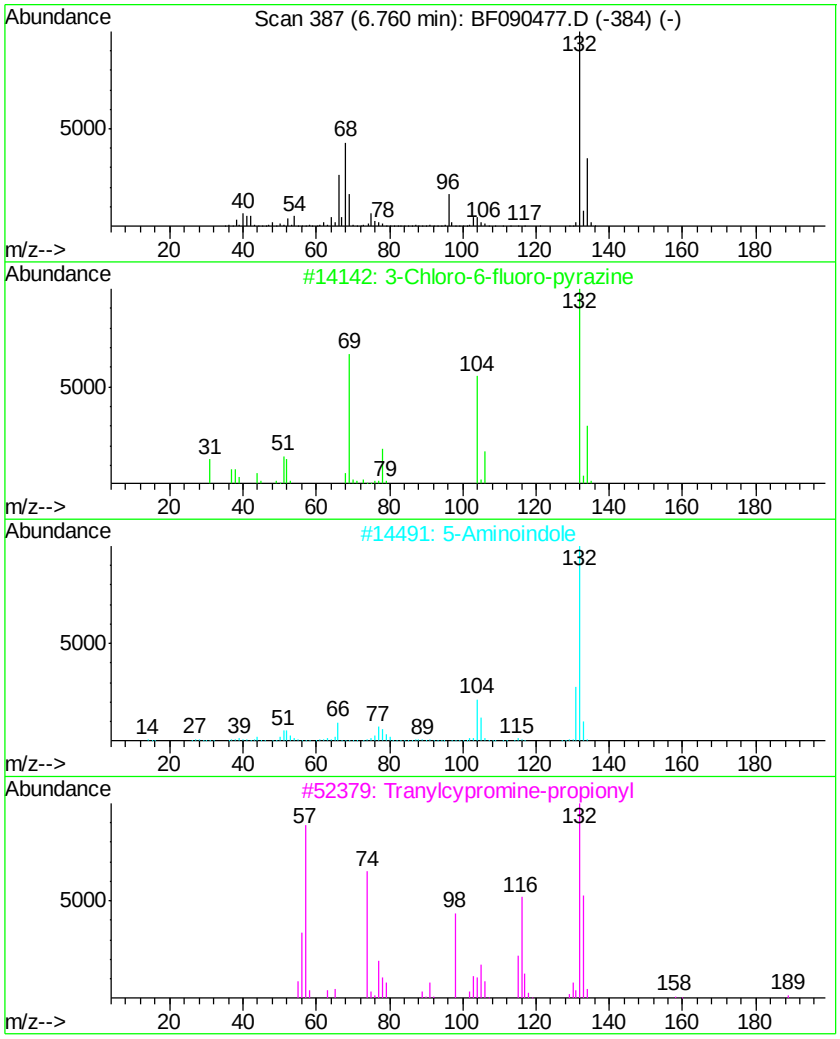
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

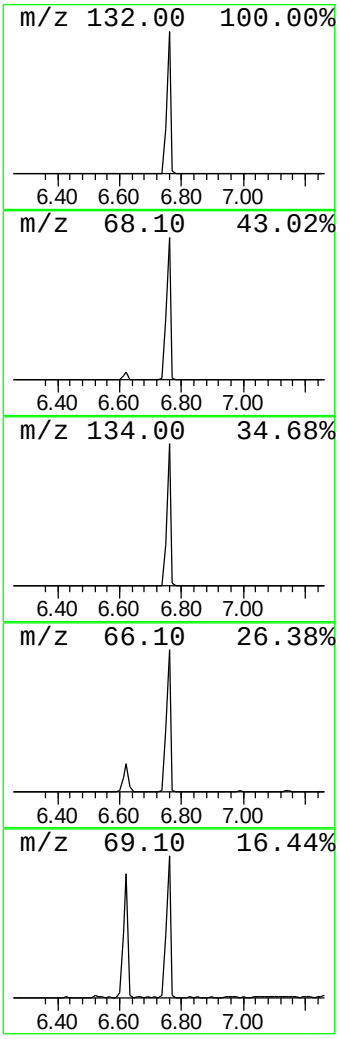
****

Peak Number 2 unknown6.76 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	71.85 ng	5151410	1,4-Dichlorobenzene-d4	6.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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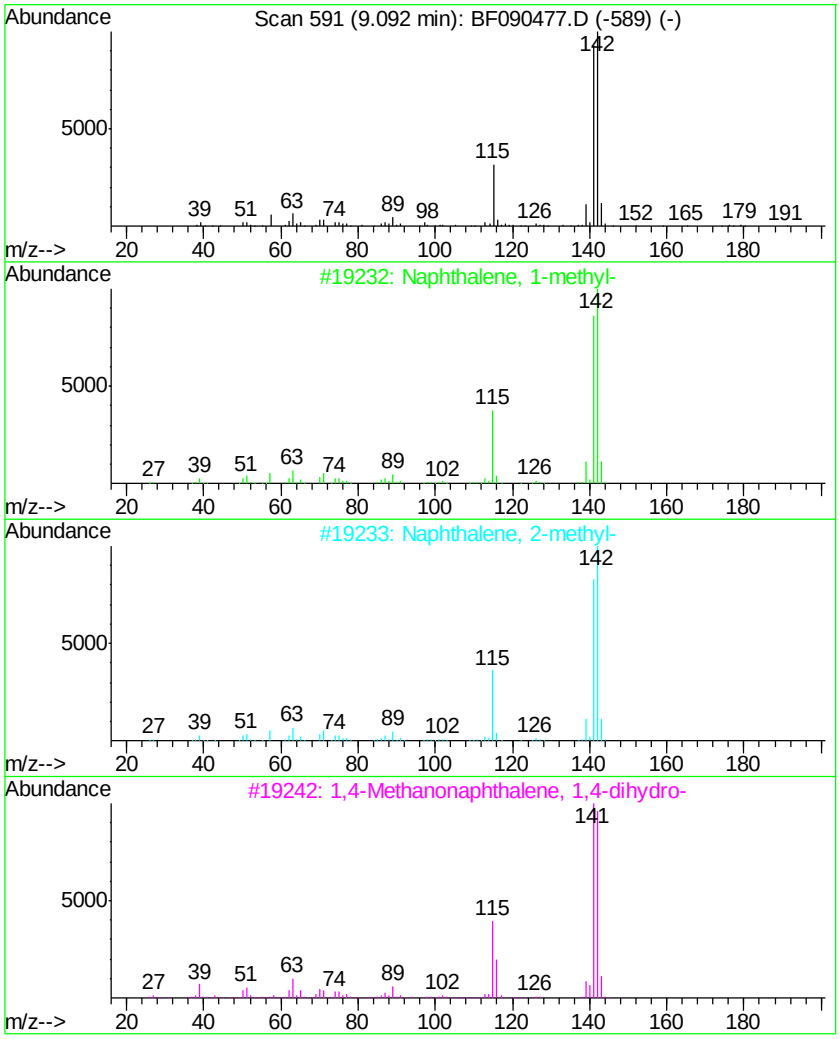
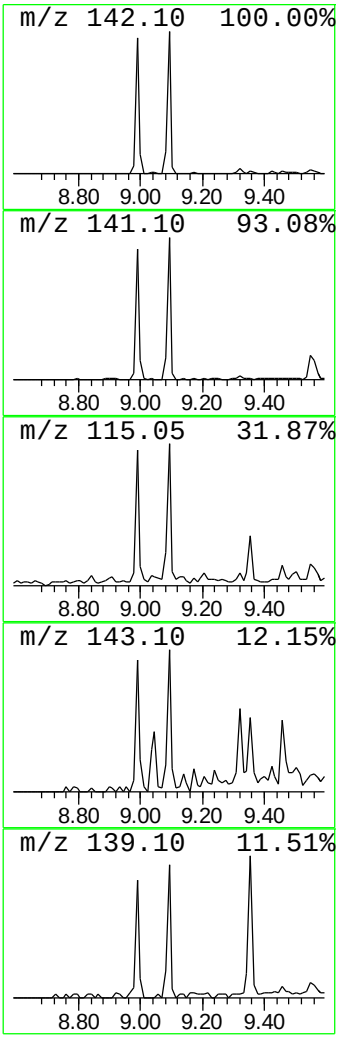
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	2.50 ng	293276	Naphthalene-d8	8.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Spiro(tricyclo[6.2.1.0(2,7)]unde...	186	C13H14O	1000210-02-3	74





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Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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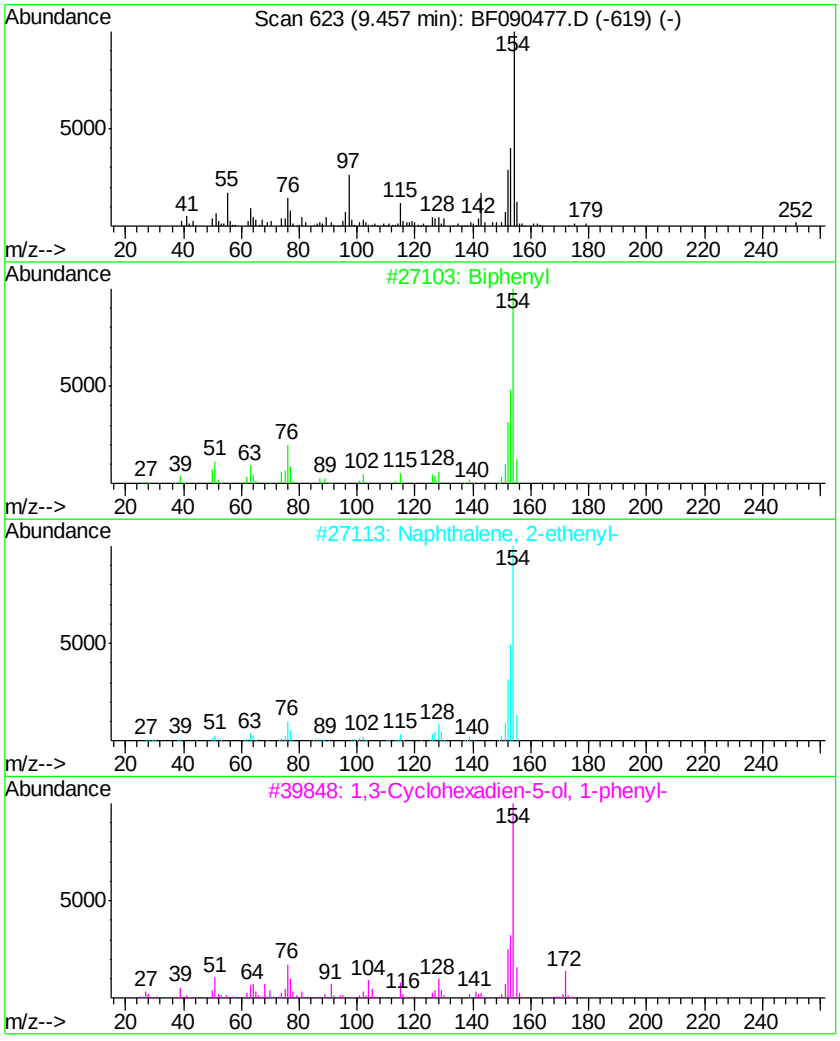
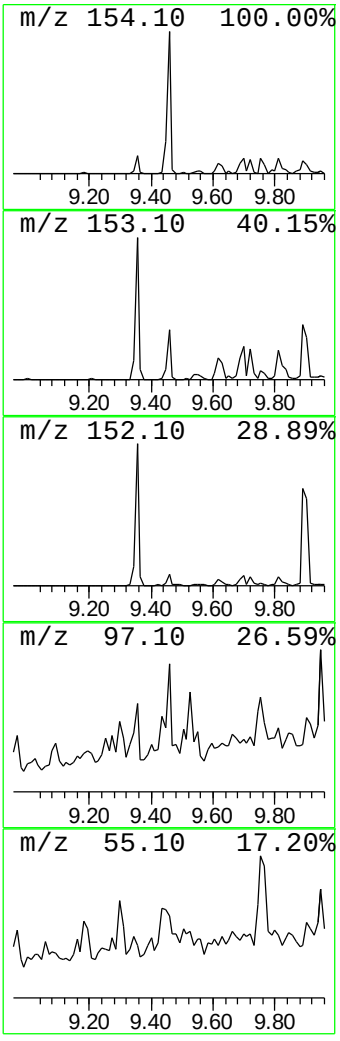
Peak Number 5 Biphenyl Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	2.57 ng	305149	Acenaphthene-d10	10.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	93
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	70
3	1,3-Cyclohexadien-5-ol, 1-phenyl-	172	C12H12O	1000159-61-9	53
4	1-(2,2-Difluoroethenyl)-4-methyl...	154	C9H8F2	1000305-64-2	52
5	Naphtho[1,2-c]thiophene, 1,3-dih...	202	C12H10OS	031739-49-8	50





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Operator : UM/SJ
Sample : H5134-02
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

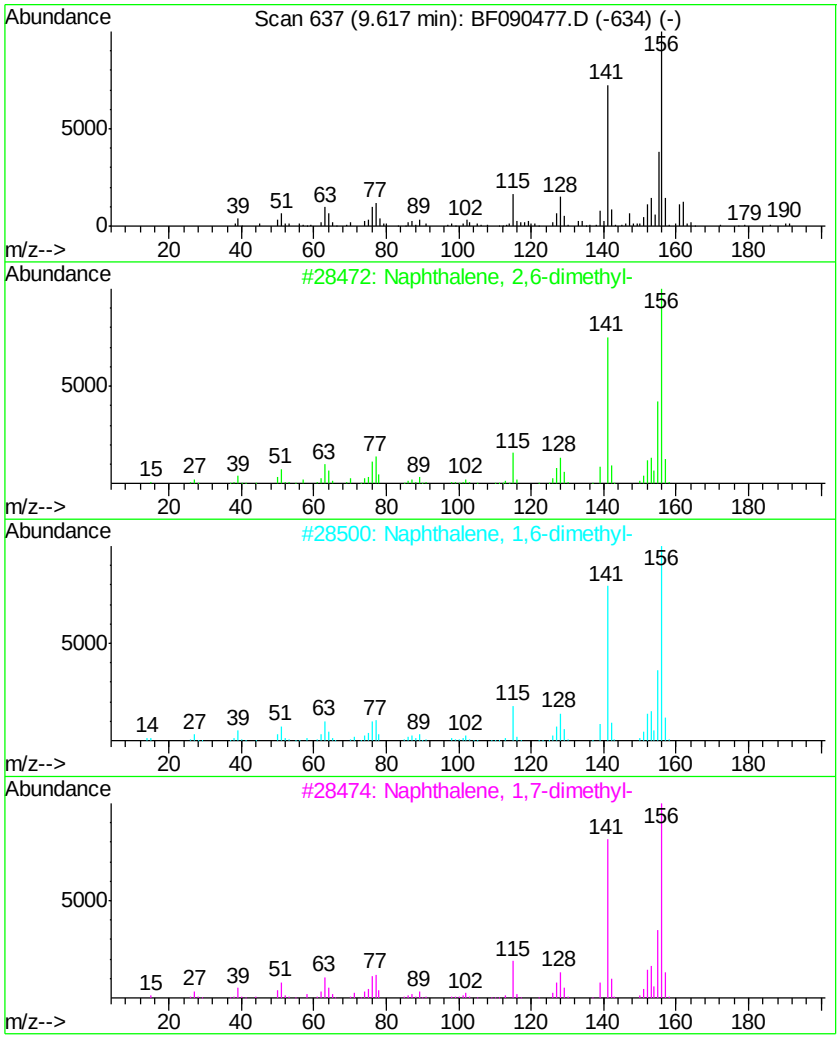
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

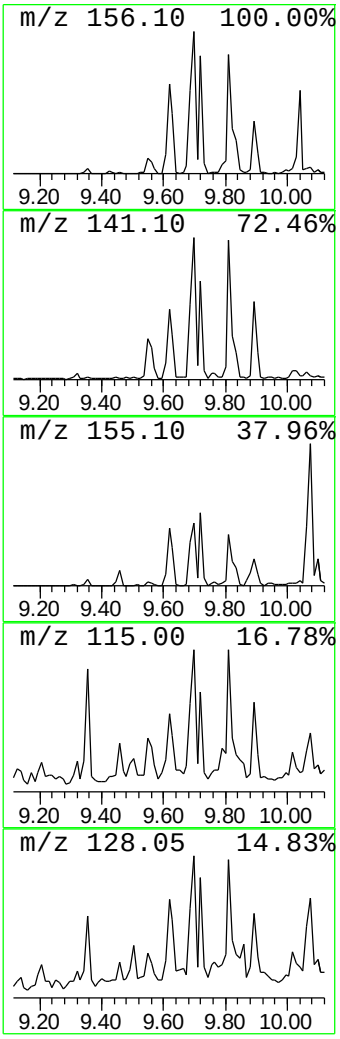
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	2.43 ng	288984	Acenaphthene-d10	10.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

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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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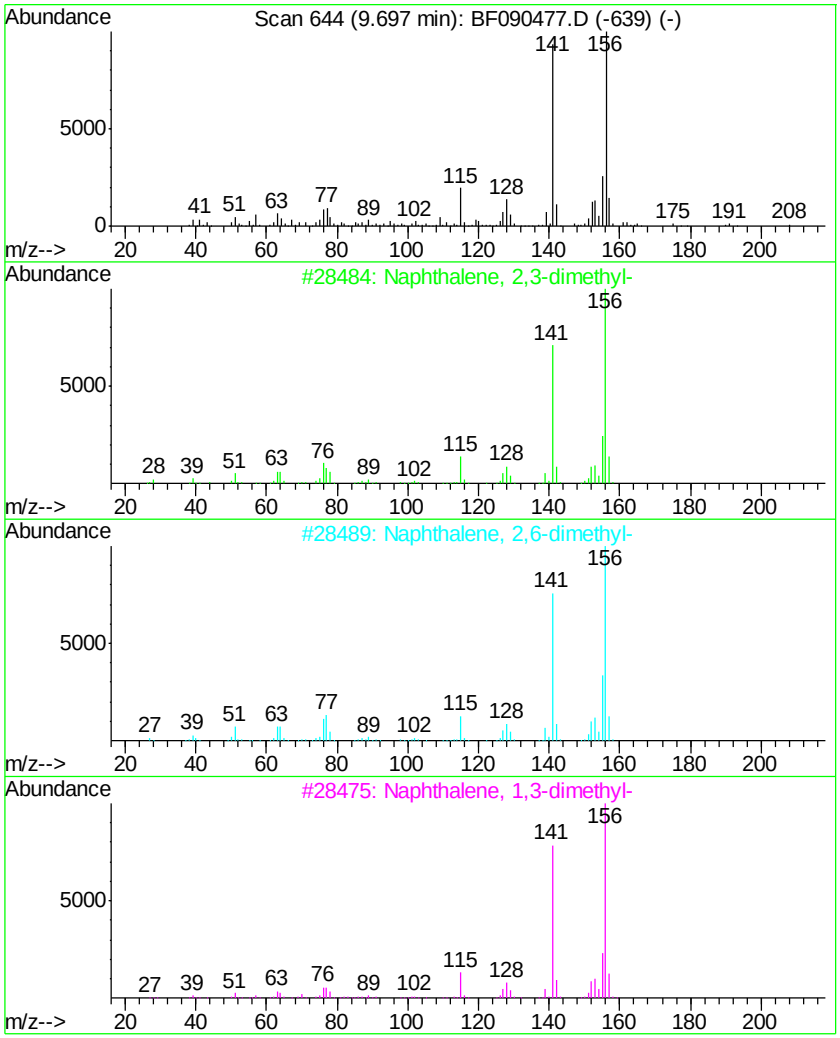
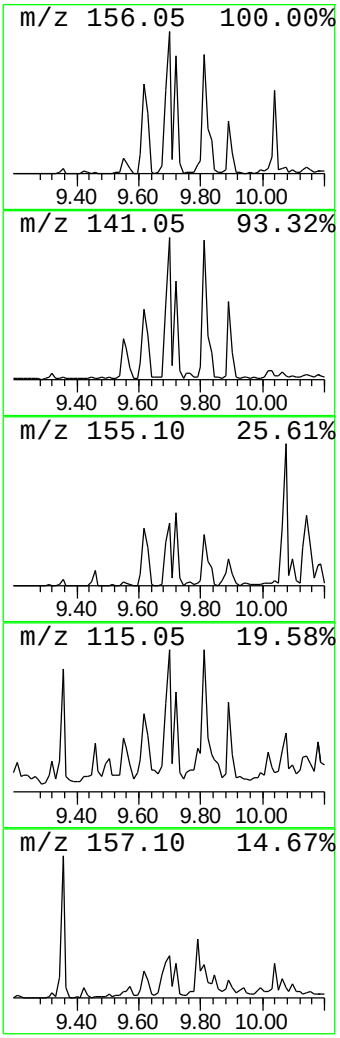
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	5.15 ng	611424	Acenaphthene-d10	10.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Operator : UM/SJ
Sample : H5134-02
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

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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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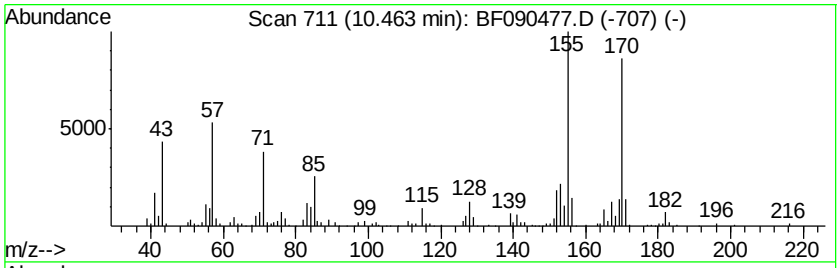
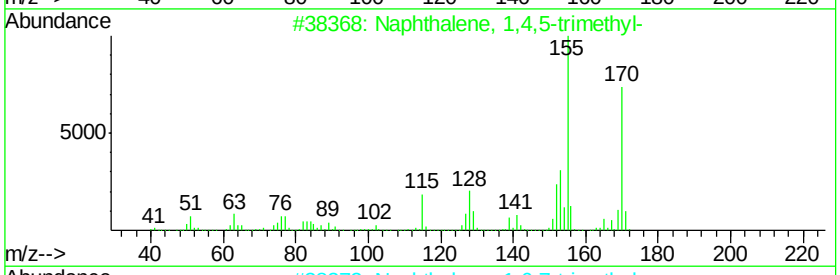
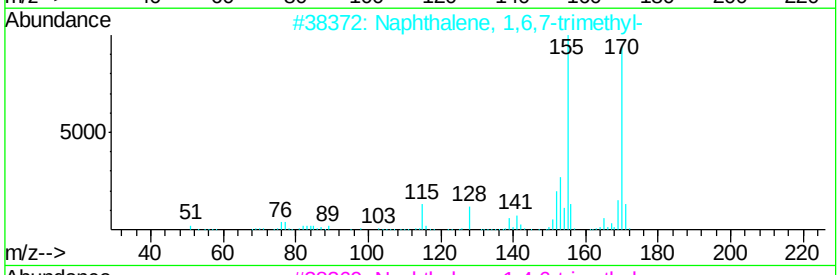
Peak Number 9 Naphthalene, 1,4,5-trimethyl- Concentration Rank 18

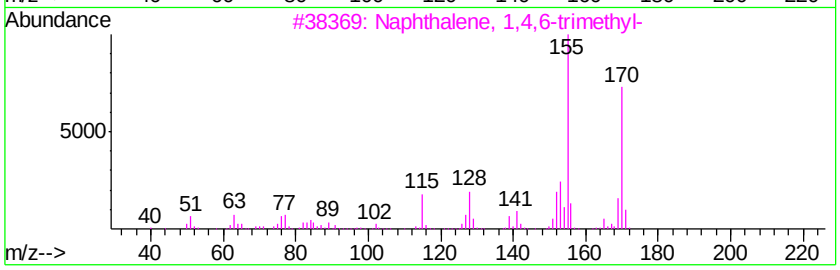
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	2.43 ng	288853	Acenaphthene-d10	10.04

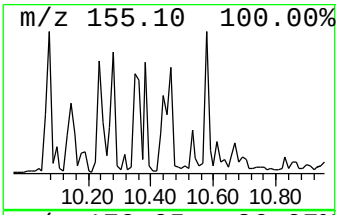
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	78

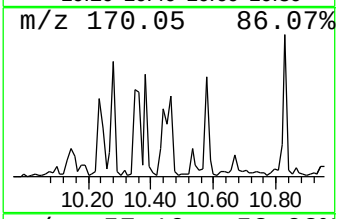


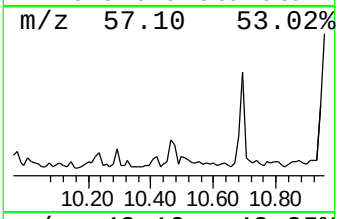


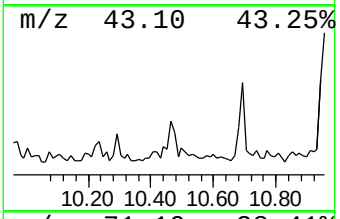


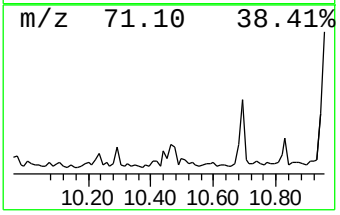












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Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

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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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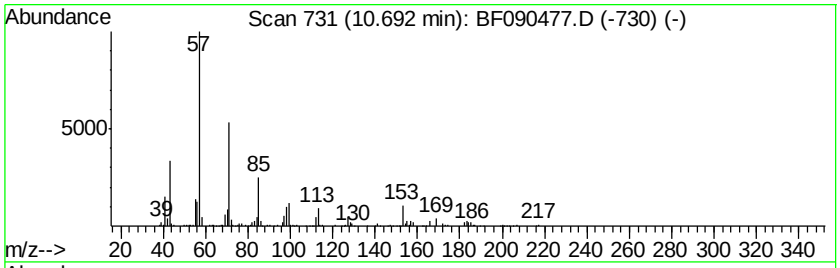
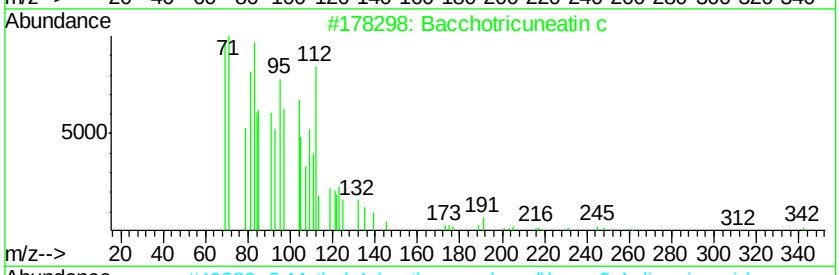
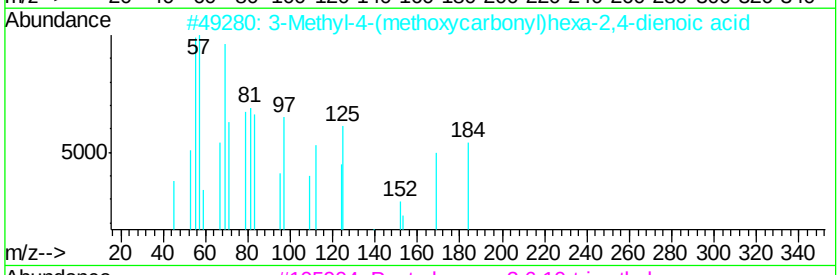
Peak Number 10 Bacchotricuneatin c Concentration Rank 10

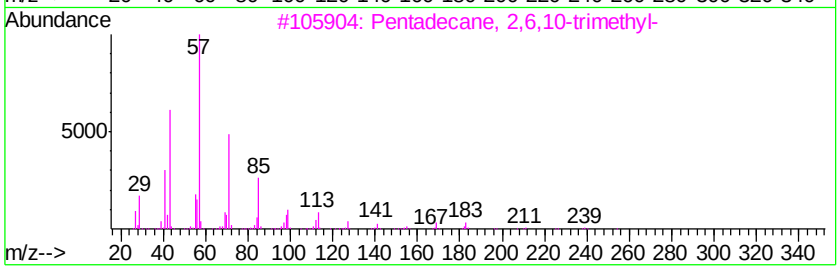
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	3.26 ng	386875	Acenaphthene-d10	10.04

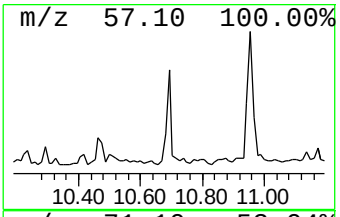
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	96
2	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	94
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	62
5	Heptacosane	380	C27H56	000593-49-7	59

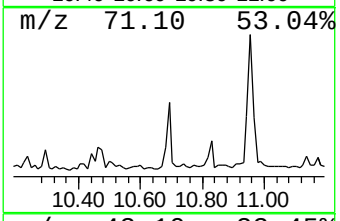


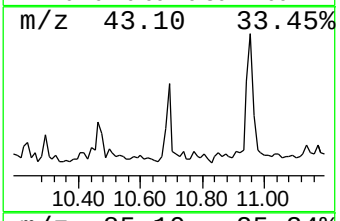


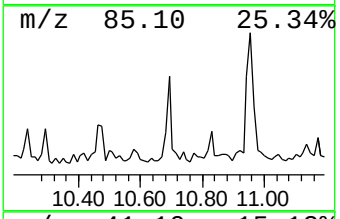


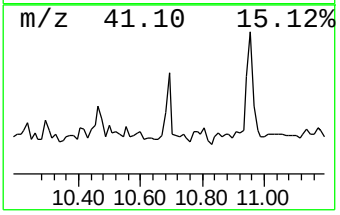












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Operator : UM/SJ
Sample : H5134-02
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

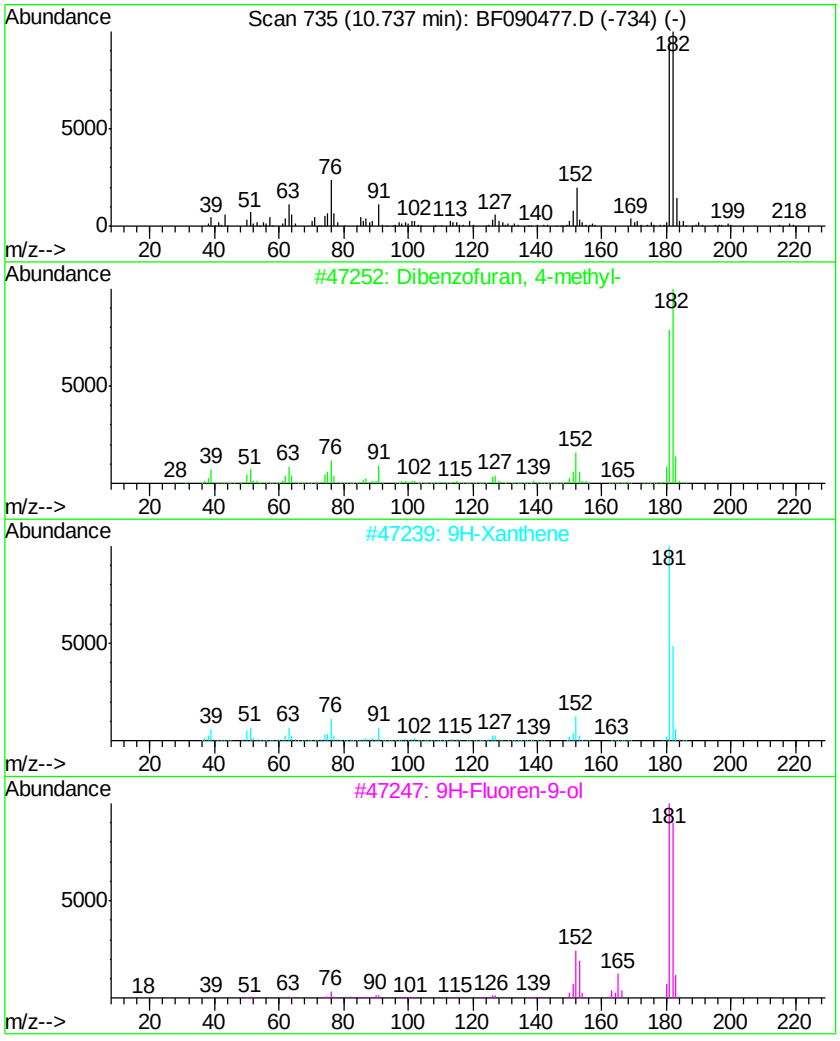
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

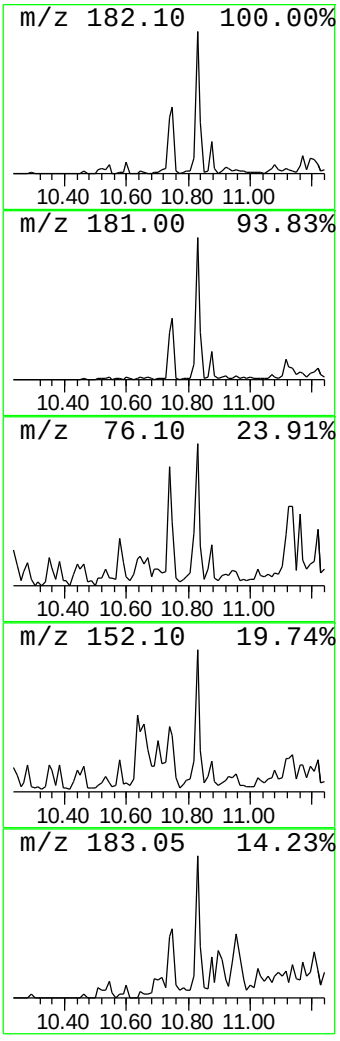
****

Peak Number 11 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	2.27 ng	269309	Acenaphthene-d10	10.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	9H-Xanthene	182	C13H10O	000092-83-1	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86





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ClientSampleId : MJSB-15(11-13)

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

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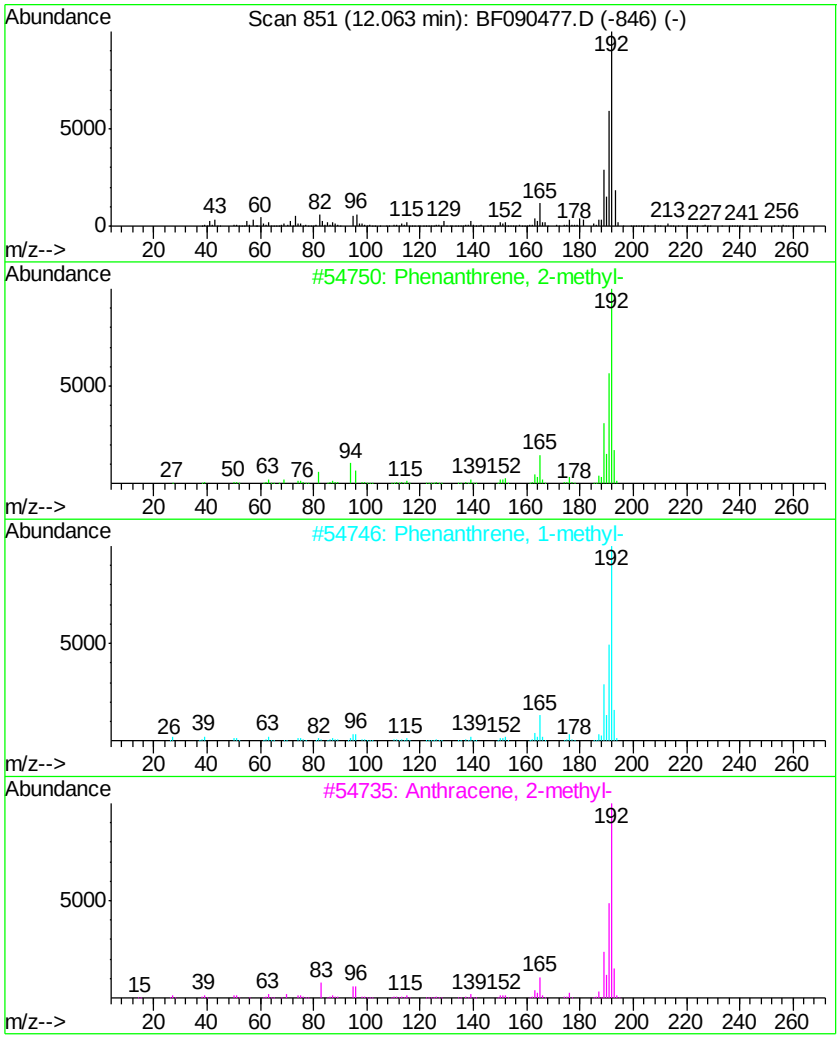
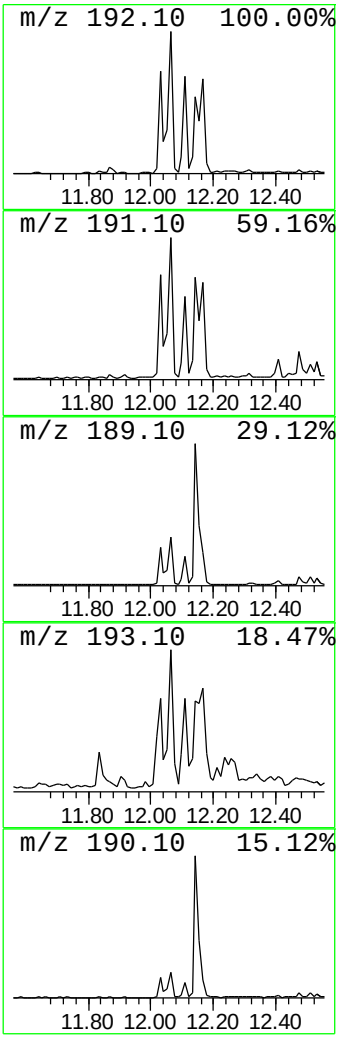
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	4.82 ng	1642670	Phenanthrene-d10	11.53

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





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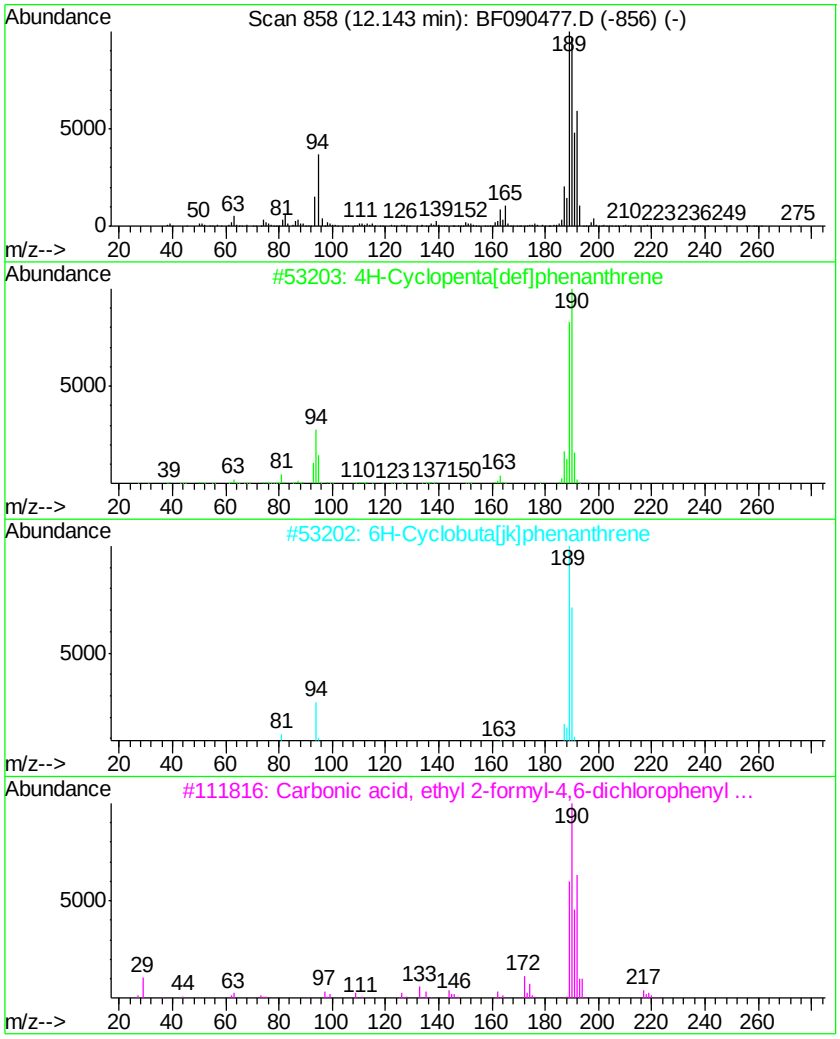
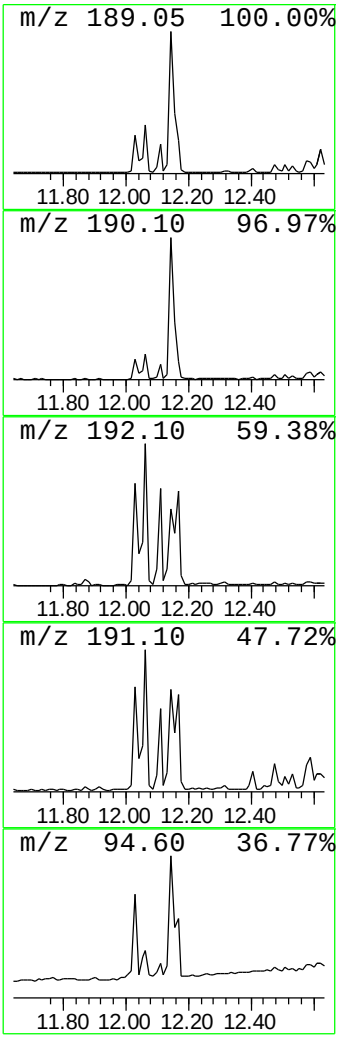
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.05 ng	1379060	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	30





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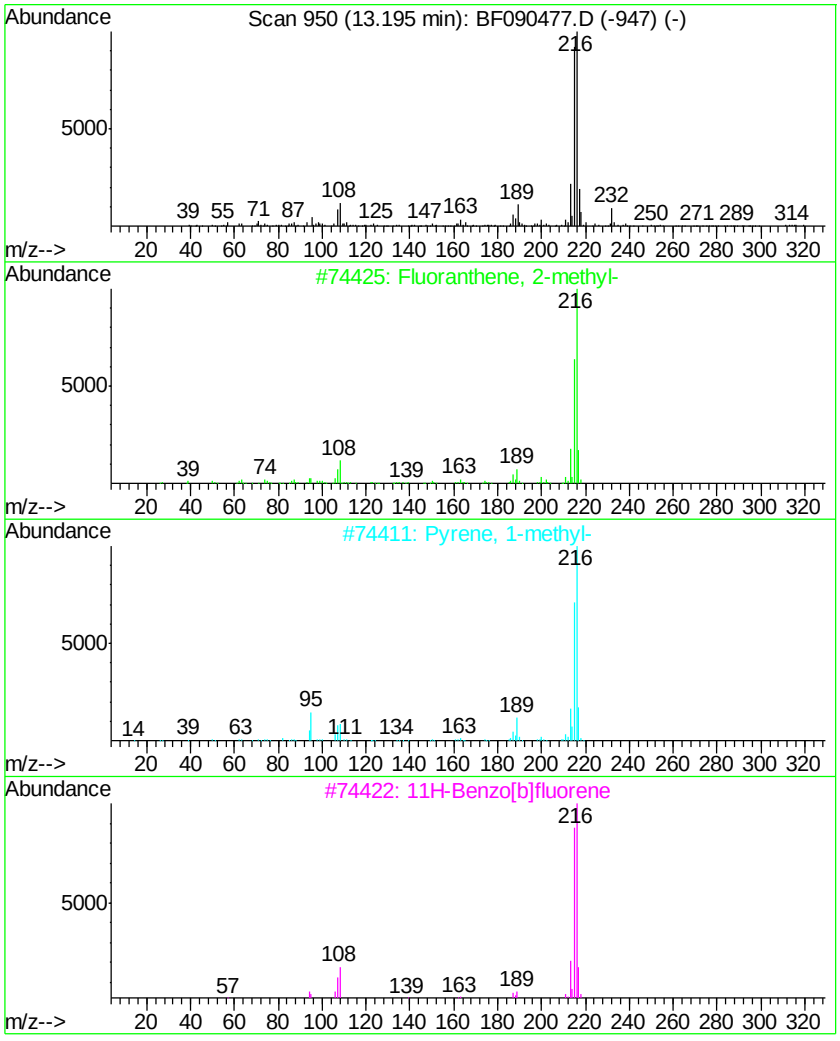
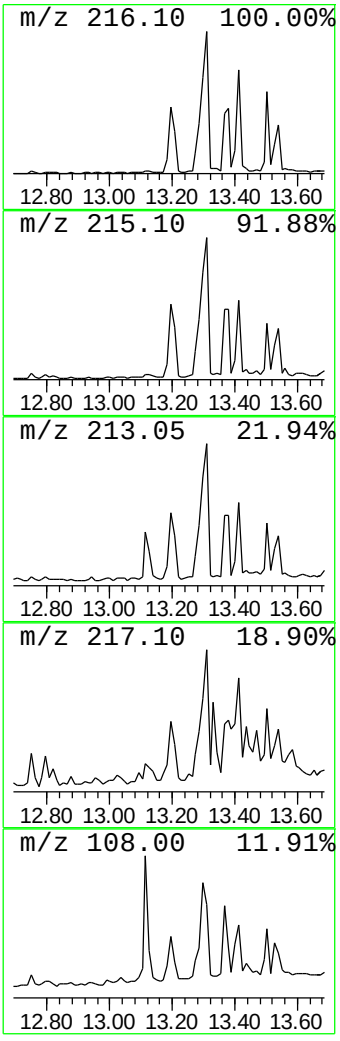
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.95 ng	626818	Chrysene-d12	14.18

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	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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TIC Integration Parameters: LSCINT.P

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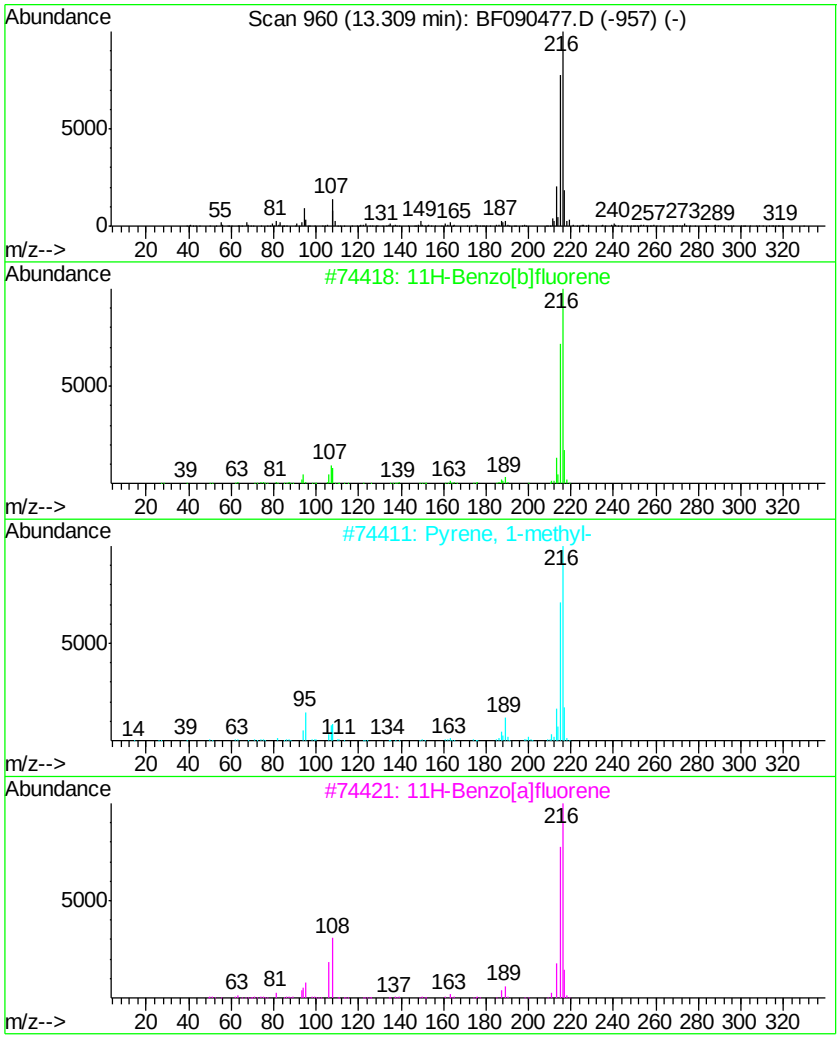
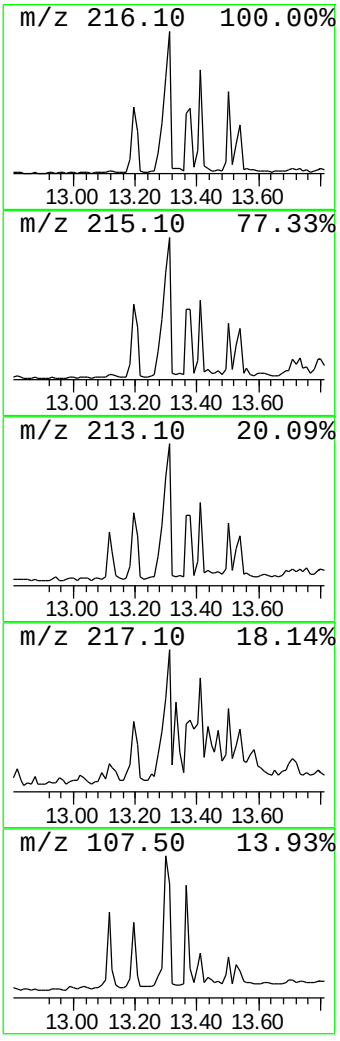
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	4.31 ng	684583	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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

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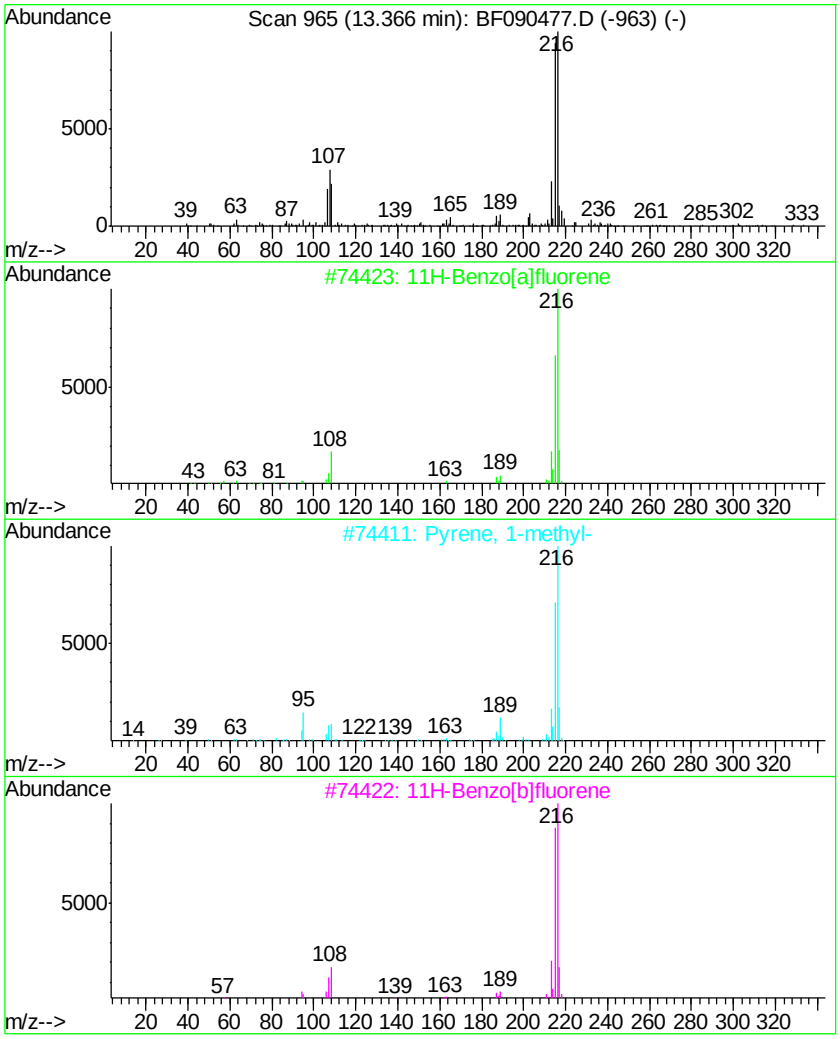
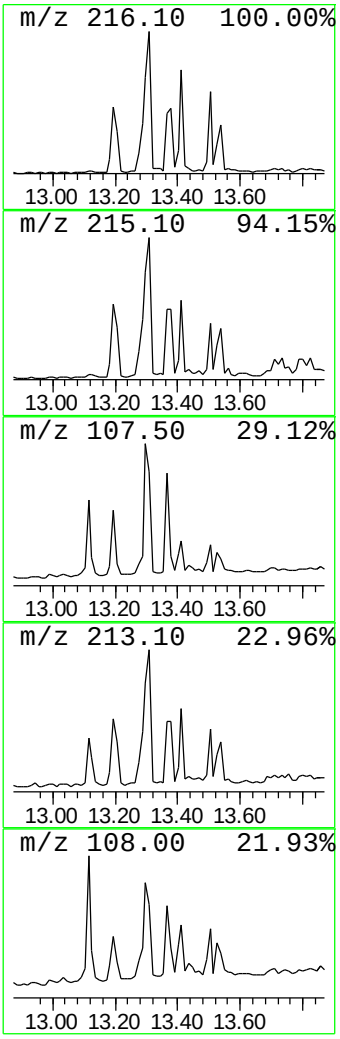
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.14 ng	339979	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
4	6,6'-Dimethoxy-2,2'-bipyridile	216	C12H12N2O2	039858-88-3	50
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	45





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Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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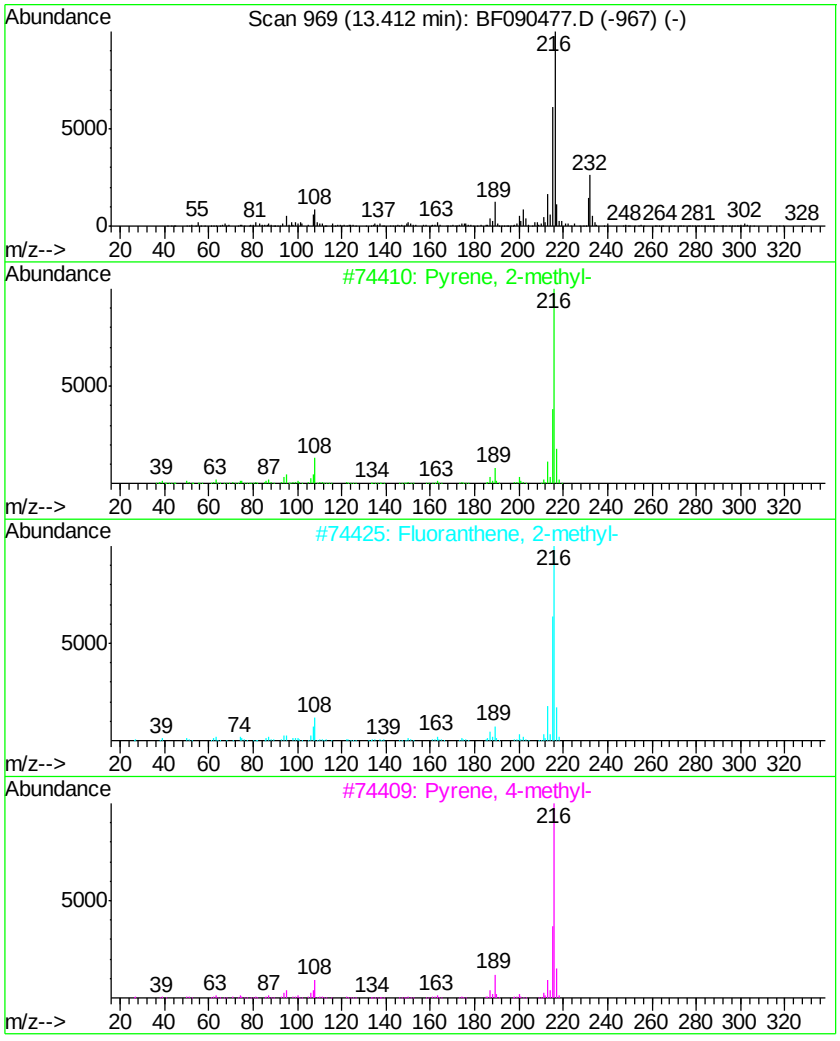
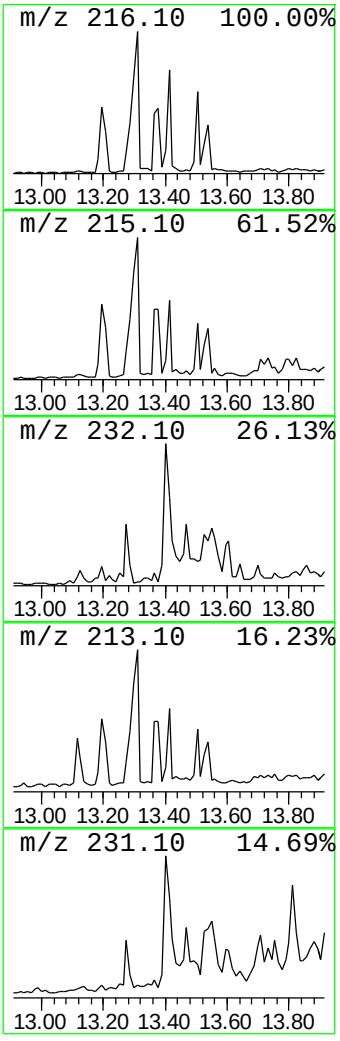
Peak Number 17 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	3.04 ng	482686	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090477.D
Acq On : 8 Oct 2016 9:39
Operator : UM/SJ
Sample : H5134-02
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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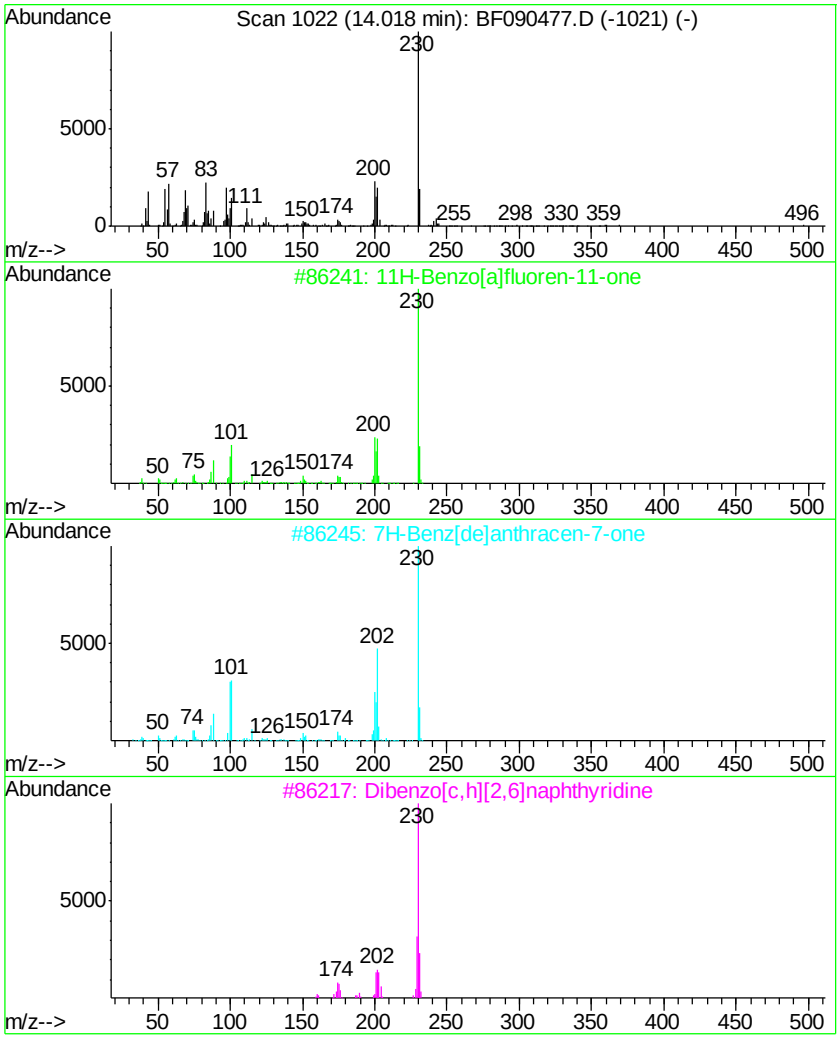
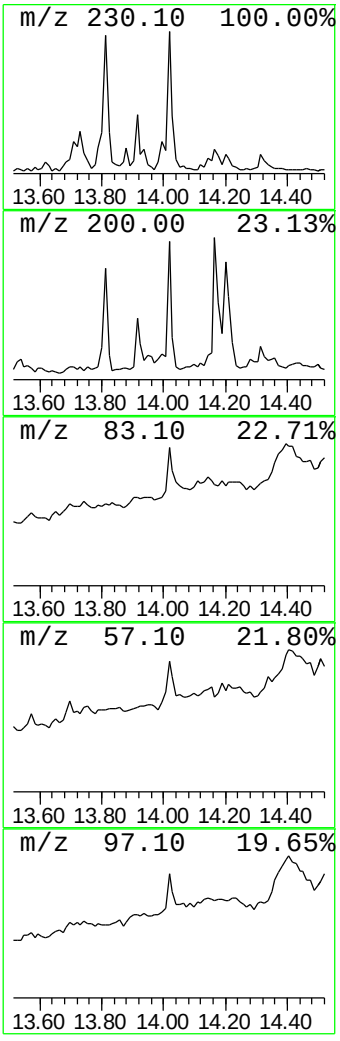
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.96 ng	470796	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	47
5	o-Terphenyl	230	C18H14	000084-15-1	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090477.D
Acq On : 8 Oct 2016 9:39
Operator : UM/SJ
Sample : H5134-02
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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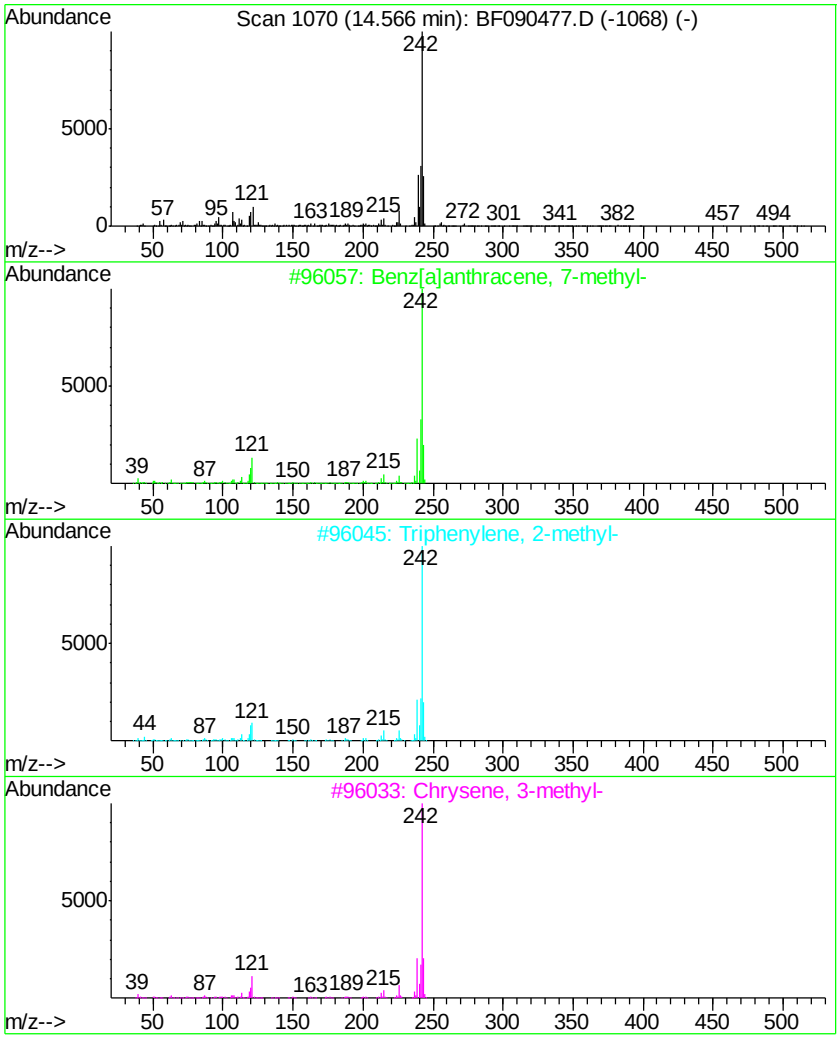
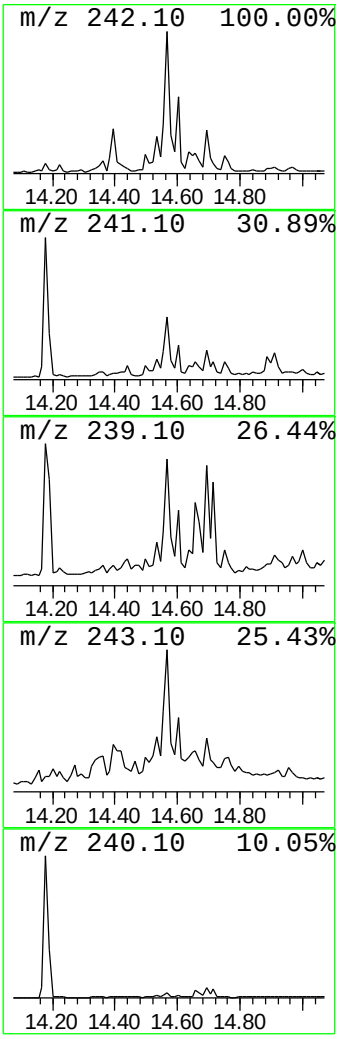
Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	2.84 ng	450871	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	97
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	93
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090477.D
Acq On : 8 Oct 2016 9:39
Operator : UM/SJ
Sample : H5134-02
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MJSB-15(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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
2-Pentanone, 4-hy...	5.18	14.9	ng	1066830	1	6.99	1433930	20.0
unknown6.76	6.76	71.8	ng	5151410	1	6.99	1433930	20.0
Naphthalene, 1-me...	9.09	2.5	ng	293276	2	8.28	2343180	20.0
Biphenyl	9.46	2.6	ng	305149	3	10.04	2374410	20.0
Naphthalene, 2,6-...	9.62	2.4	ng	288984	3	10.04	2374410	20.0
Naphthalene, 2,3-...	9.70	5.2	ng	611424	3	10.04	2374410	20.0
Naphthalene, 1,4,...	10.46	2.4	ng	288853	3	10.04	2374410	20.0
Bacchotricuneatin c	10.69	3.3	ng	386875	3	10.04	2374410	20.0
Dibenzofuran, 4-m...	10.74	2.3	ng	269309	3	10.04	2374410	20.0
Phenanthrene, 2-m...	12.06	4.8	ng	1642670	4	11.53	6816920	20.0
4H-Cyclopenta[def...	12.14	4.0	ng	1379060	4	11.53	6816920	20.0
Fluoranthene, 2-m...	13.19	4.0	ng	626818	5	14.18	3177460	20.0
11H-Benzo[b]fluorene	13.31	4.3	ng	684583	5	14.18	3177460	20.0
11H-Benzo[a]fluorene	13.37	2.1	ng	339979	5	14.18	3177460	20.0
Pyrene, 2-methyl-	13.41	3.0	ng	482686	5	14.18	3177460	20.0
11H-Benzo[a]fluor...	14.02	3.0	ng	470796	5	14.18	3177460	20.0
Benz[a]anthracene...	14.57	2.8	ng	450871	5	14.18	3177460	20.0