LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
Data File : BF090069.D
Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-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-BF083116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.713	9	11	58	rVB	4215323	10394677	100.00%	10.839%
2	4.684	268	271	282	rBV	650429	1035504	9.96%	1.080%
3	5.153	309	312	314	rBV	3041921	4291937	41.29%	4.475%
4	6.227	403	406	413	rBV	3496997	4061866	39.08%	4.235%
5	6.342	413	416	419	rVV	3987910	3994451	38.43%	4.165%
6	6.570	434	436	439	rBV	852836	1094072	10.53%	1.141%
7	6.730	448	450	453	rBV	3515633	3220964	30.99%	3.359%
8	7.142	483	486	489	rBV	2068591	2373426	22.83%	2.475%
9	7.199	489	491	493	rVV2	72452	114270	1.10%	0.119%
10	7.267	495	497	503	rVB	69421	110298	1.06%	0.115%
11	7.862	547	549	553	rBV2	1629137	1745319	16.79%	1.820%
12	8.570	609	611	614	rBV	136038	151722	1.46%	0.158%
13	8.673	618	620	622	rVB	121243	121748	1.17%	0.127%
14	8.948	641	644	646	rBV	3636345	4713860	45.35%	4.915%
15	9.199	663	666	670	rBV	88147	131053	1.26%	0.137%
16	9.268	670	672	673	rBV	160418	164982	1.59%	0.172%
17	9.336	676	678	681	rVV	1129999	1233653	11.87%	1.286%
18	9.382	681	682	686	rVB	88756	113230	1.09%	0.118%
19	9.462	687	689	692	rBV	306654	309082	2.97%	0.322%
20	9.610	699	702	703	rBV	1178845	1450103	13.95%	1.512%
21	9.633	703	704	707	rVB	295312	269677	2.59%	0.281%
22	9.805	717	719	722	rBV	300932	414583	3.99%	0.432%
23	9.930	727	730	731	rBV	76363	121769	1.17%	0.127%
24	10.033	735	739	740	rBV2	121898	247657	2.38%	0.258%
25	10.056	740	741	743	rVB	96562	109520	1.05%	0.114%
26	10.148	747	749	752	rBV	277126	274837	2.64%	0.287%
27	10.216	752	755	758	rBV3	78114	170166	1.64%	0.177%
28	10.285	758	761	762	rVV2	67557	130971	1.26%	0.137%
29	10.308	762	763	766	rVB	233408	216471	2.08%	0.226%
30	10.388	767	770	773	rBV	2315959	2493702	23.99%	2.600%
31	10.433	773	774	777	rVV	91386	105754	1.02%	0.110%
32	10.536	779	783	786	rVB2	149113	324781	3.12%	0.339%
33	10.845	806	810	812	rBV2	141279	334237	3.22%	0.349%
34	10.891	812	814	816	rVB	297157	409559	3.94%	0.427%

LSC Area Percent Report

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Data File : BF090069.D
Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-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-BF083116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.936	816	818	820	rBV	191746	253136	2.44%	0.264%
36	10.971	820	821	828	rVB2	321527	495629	4.77%	0.517%
37	11.108	828	833	835	rBV2	4100556	5676383	54.61%	5.919%
38	11.153	835	837	839	rVV	1069292	1024666	9.86%	1.068%
39	11.188	839	840	842	rVV2	111101	109482	1.05%	0.114%
40	11.313	847	851	855	rBV2	287264	600793	5.78%	0.626%
41	11.382	855	857	858	rVV	111532	153046	1.47%	0.160%
42	11.405	858	859	861	rVB2	207059	205596	1.98%	0.214%
43	11.576	872	874	875	rVV	734398	677223	6.52%	0.706%
44	11.611	875	877	878	rVV	640454	827176	7.96%	0.863%
45	11.656	878	881	882	rVV2	289631	513467	4.94%	0.535%
46	11.679	882	883	888	rVB2	619418	1367745	13.16%	1.426%
47	11.805	893	894	896	rVV2	121915	129466	1.25%	0.135%
48	11.874	898	900	905	rVV2	475063	966857	9.30%	1.008%
49	12.022	911	913	914	rBV	176596	154559	1.49%	0.161%
50	12.056	914	916	920	rVB3	109337	218522	2.10%	0.228%
51	12.125	920	922	923	rBV	432259	469357	4.52%	0.489%
52	12.159	923	925	926	rVV2	259565	313773	3.02%	0.327%
53	12.205	927	929	933	rVB	528255	649264	6.25%	0.677%
54	12.285	933	936	939	rBV	4216349	4548182	43.75%	4.742%
55	12.342	939	941	942	rVV2	190935	267028	2.57%	0.278%
56	12.422	945	948	951	rBV	333886	567322	5.46%	0.592%
57	12.514	953	956	958	rVV	3760823	5292735	50.92%	5.519%
58	12.559	958	960	963	rVV2	284020	489557	4.71%	0.510%
59	12.628	964	966	967	rVV	344555	354051	3.41%	0.369%
60	12.662	967	969	972	rVV	3362872	3634438	34.96%	3.790%
61	12.731	972	975	976	rVV2	449645	725096	6.98%	0.756%
62	12.834	980	984	986	rVV2	455047	1030668	9.92%	1.075%
63	12.902	988	990	991	rVV	249249	327961	3.16%	0.342%
64	12.937	991	993	995	rVV	712431	948048	9.12%	0.989%
65	13.028	999	1001	1002	rVV	426012	484770	4.66%	0.505%
66	13.062	1002	1004	1006	rVV2	278726	483753	4.65%	0.504%
67	13.142	1009	1011	1015	rVB2	249735	394360	3.79%	0.411%
68	13.337	1026	1028	1030	rBV	541980	566568	5.45%	0.591%
69	13.439	1035	1037	1039	rBV2	355605	578822	5.57%	0.604%
70	13.542	1045	1046	1048	rVB	264250	222983	2.15%	0.233%
71	13.691	1056	1059	1061	rBV2	2233265	4060560	39.06%	4.234%

LSC Area Percent Report

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Data File : BF090069.D
Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-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-BF083116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.725	1061	1062	1066	rVB	2065591	1876915	18.06%	1.957%
73	14.079	1091	1093	1095	rVB	310333	347710	3.35%	0.363%
74	14.205	1102	1104	1109	rVB4	241165	391672	3.77%	0.408%
75	14.685	1144	1146	1150	rBV	1326809	2522924	24.27%	2.631%
76	14.937	1166	1168	1170	rVB	796474	901109	8.67%	0.940%
77	14.982	1170	1172	1175	rVB	806480	1205678	11.60%	1.257%
78	15.040	1175	1177	1178	rBV	533122	582763	5.61%	0.608%
79	16.240	1280	1282	1292	rVB2	457572	1064506	10.24%	1.110%
80	16.605	1310	1314	1319	rBV	371771	777634	7.48%	0.811%

Sum of corrected areas: 95903854

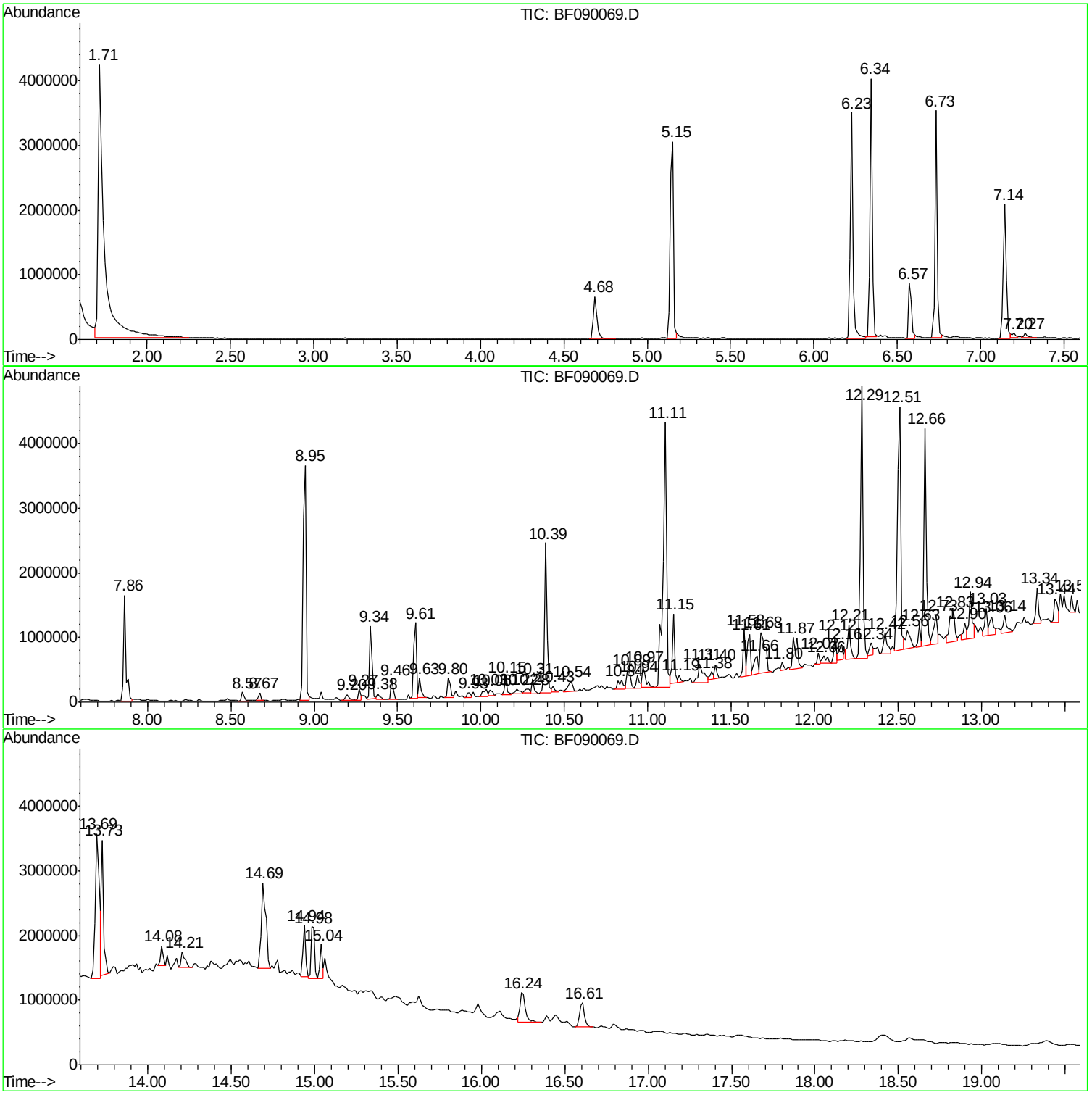
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
Data File : BF090069.D
Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.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\BF091216\
Data File : BF090069.D
Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

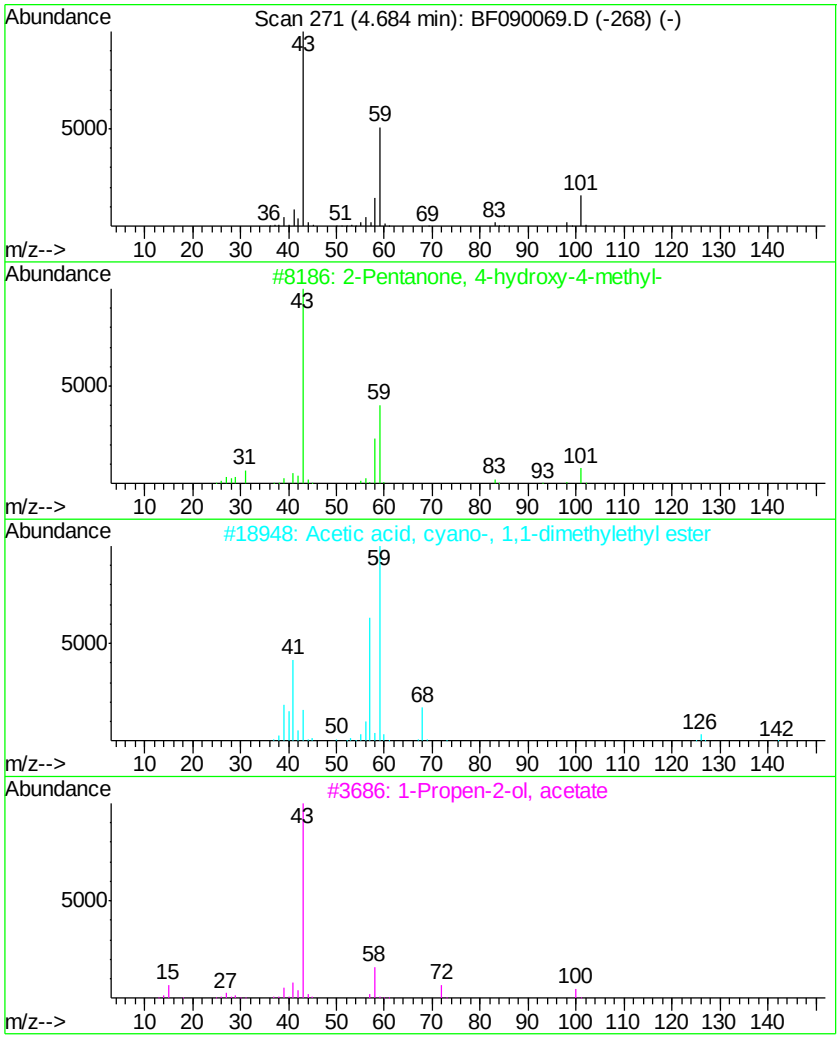
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

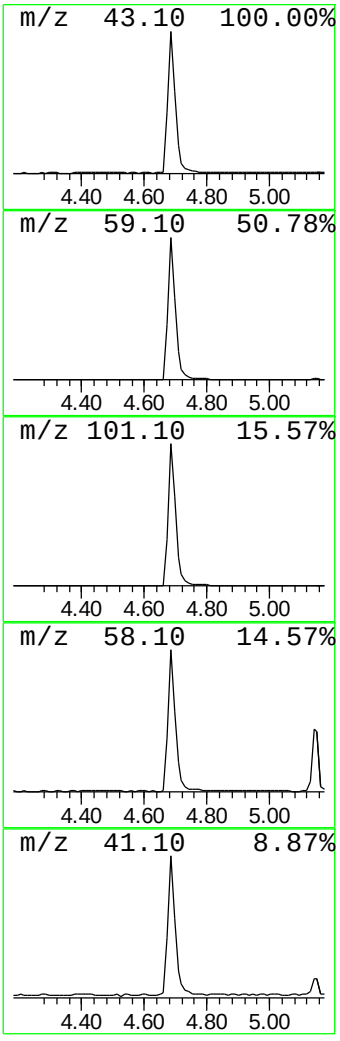
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	18.93 ng	1035500	1,4-Dichlorobenzene-d4	6.57

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	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	1,2-Butanediol	90	C4H10O2	000584-03-2	9
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
Data File : BF090069.D
Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

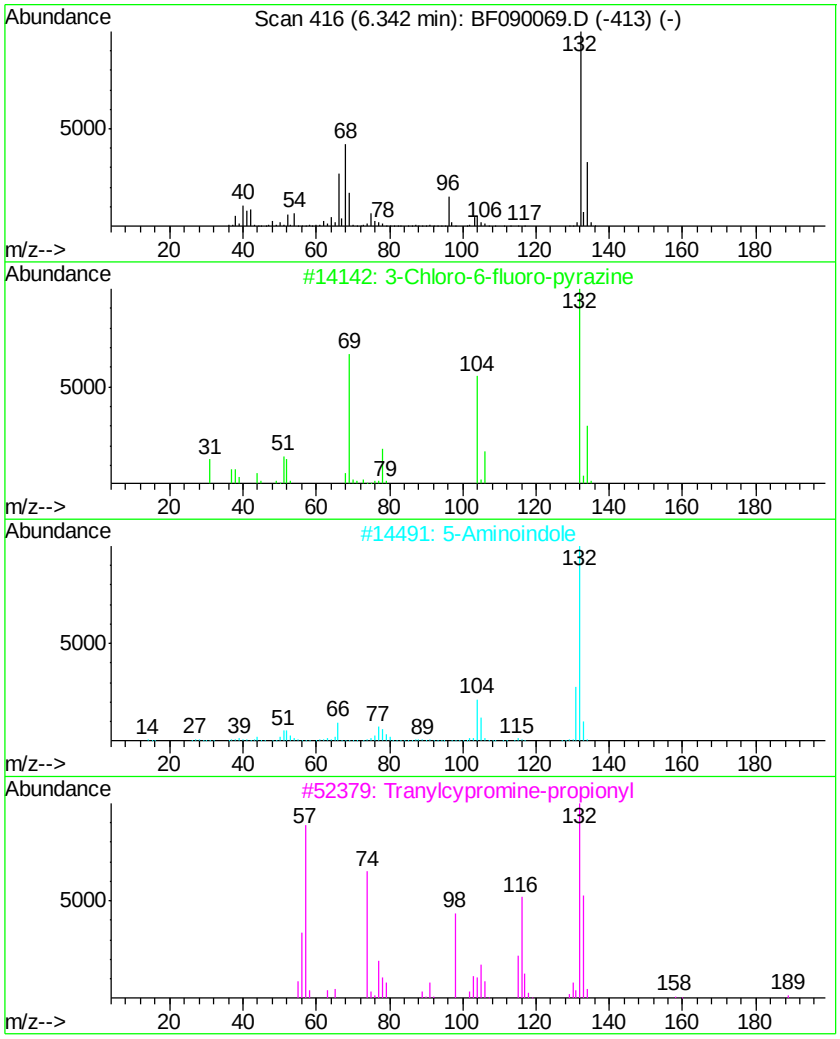
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

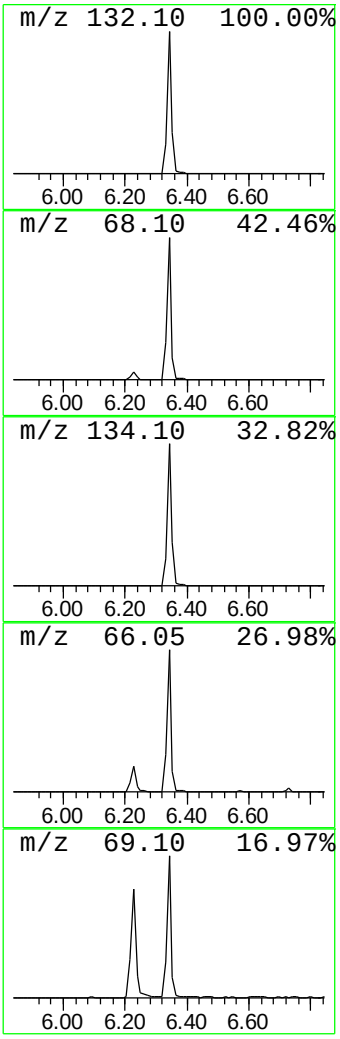
****

Peak Number 3 unknown6.34 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	73.02 ng	3994450	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
Data File : BF090069.D
Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

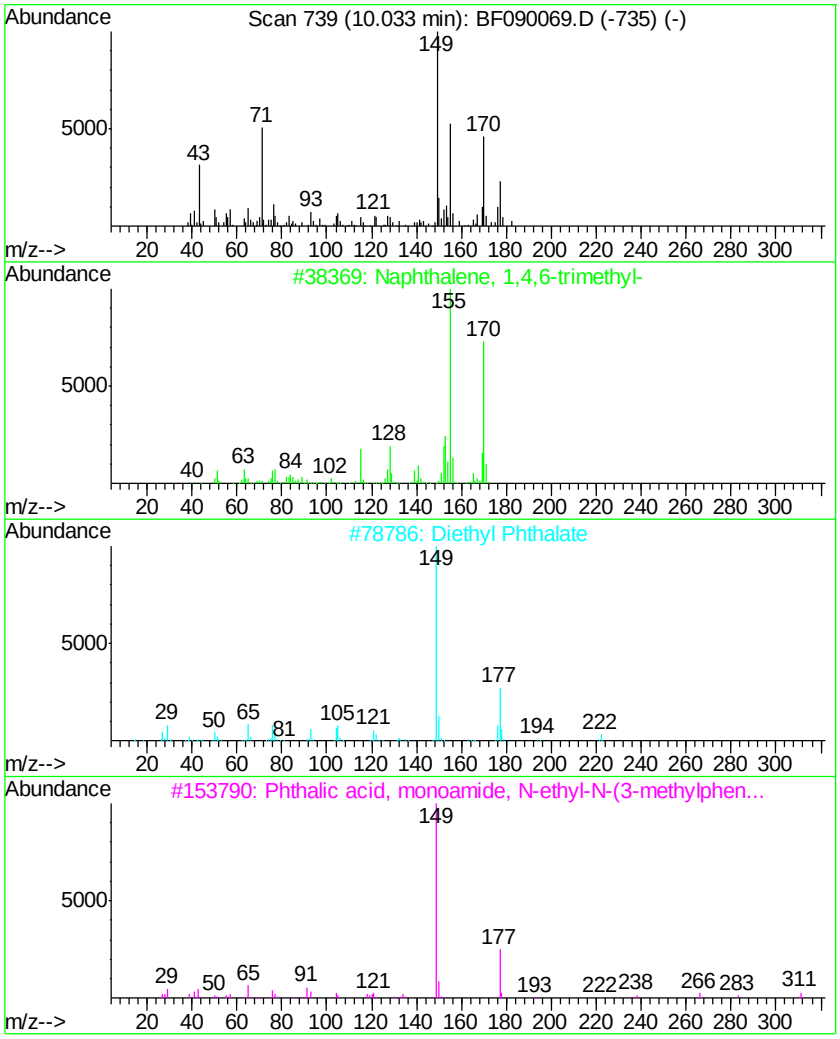
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

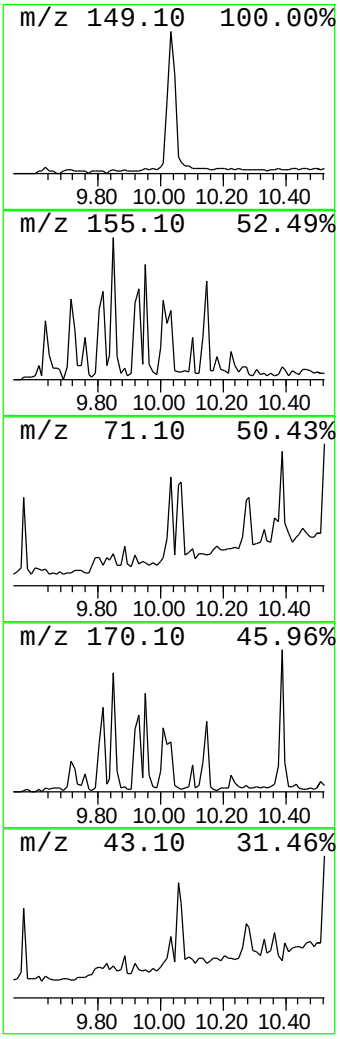
****

Peak Number 5 unknown10.03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	3.42 ng	247657	Acenaphthene-d10	9.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	42
2	Diethyl Phthalate	222	C12H14O4	000084-66-2	38
3	Phthalic acid, monoamide, N-ethy...	311	C19H21NO3	1000309-85-4	27
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	22
5	Phthalic acid, di(hept-3-yl) ester	362	C22H34O4	1000357-00-0	14





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
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Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

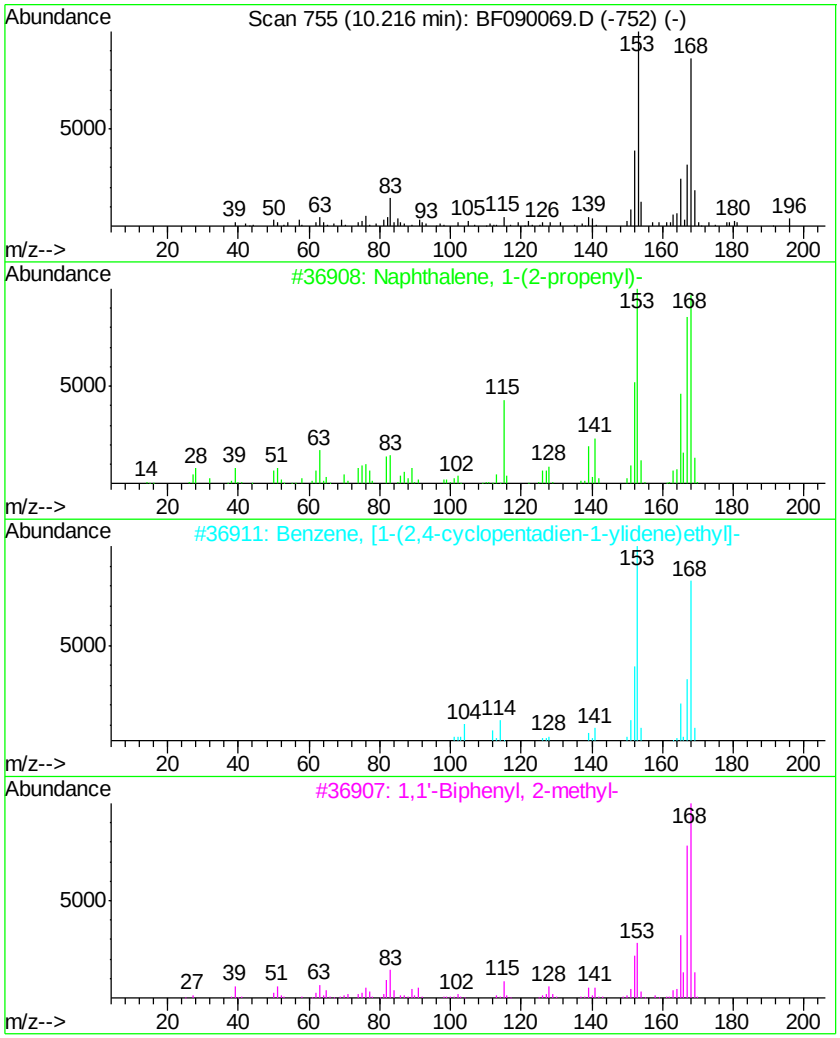
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

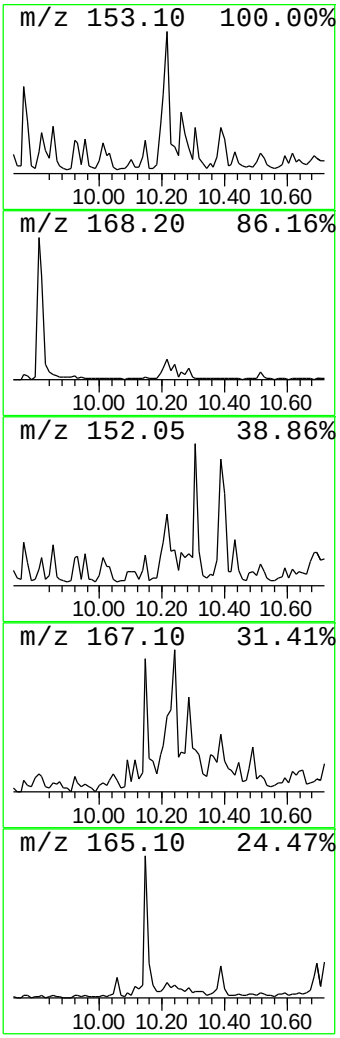
****

Peak Number 6 Naphthalene, 1-(2-propenyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	2.35 ng	170166	Acenaphthene-d10	9.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	74
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	50
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	47
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	42
5	1-Methoxy-2-methyl-4-(methylthio...	168	C9H12OS	050390-78-8	40





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
Data File : BF090069.D
Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

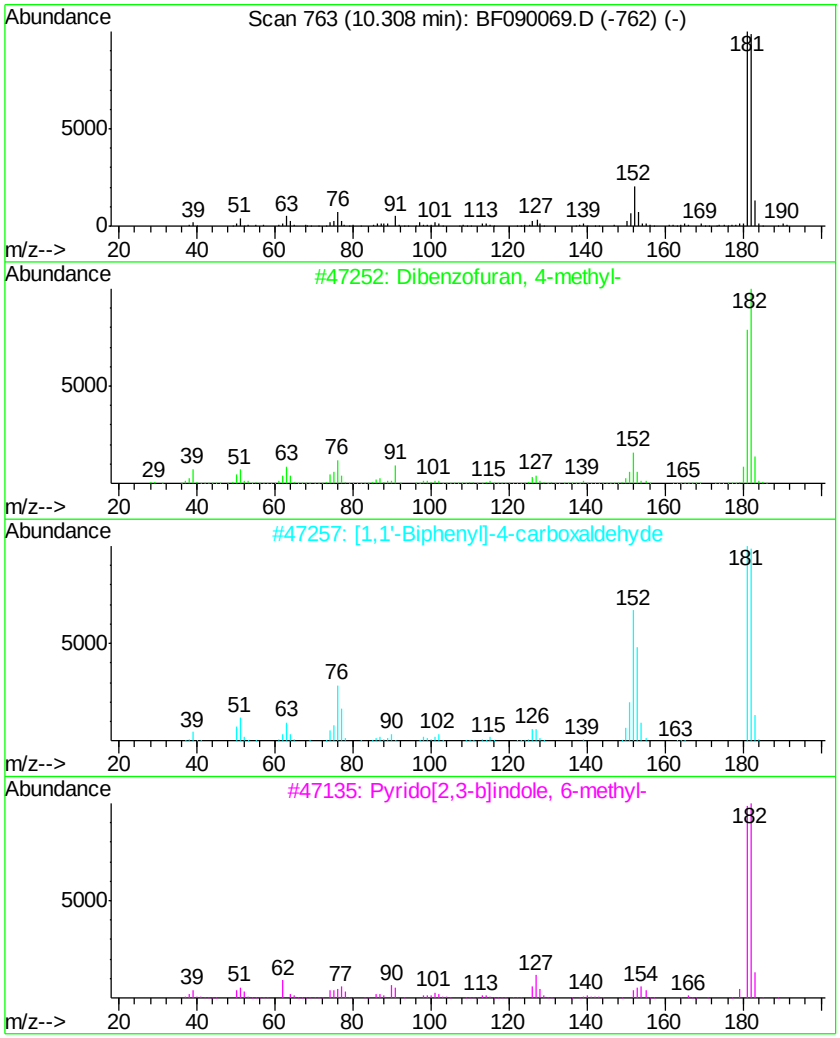
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

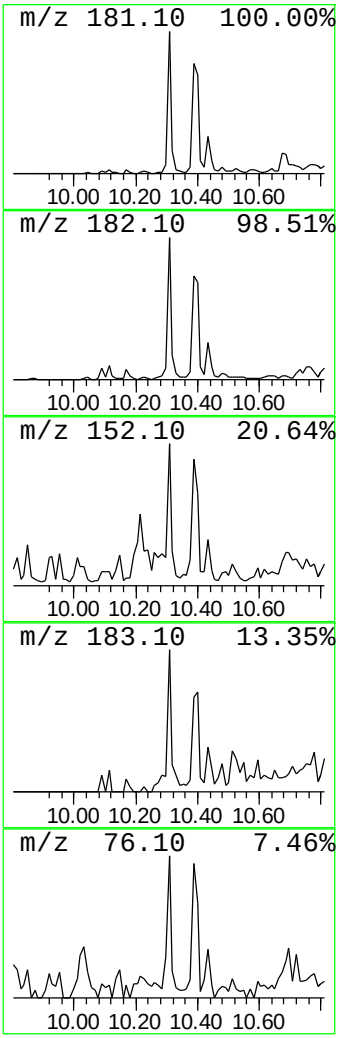
****

Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	2.99 ng	216471	Acenaphthene-d10	9.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
Data File : BF090069.D
Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

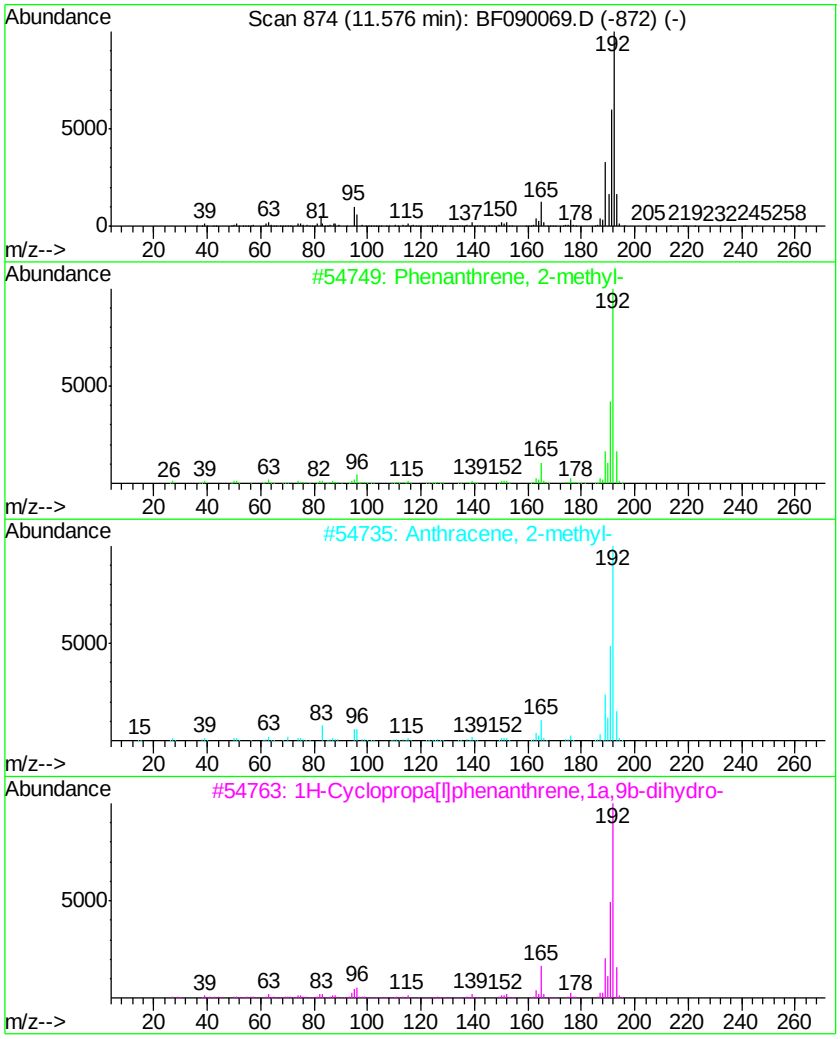
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

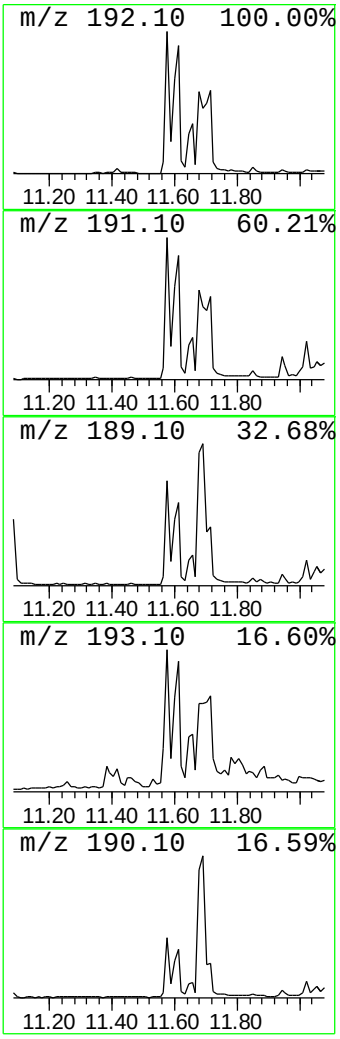
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	2.39 ng	677223	Phenanthrene-d10	11.07

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





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
Data File : BF090069.D
Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.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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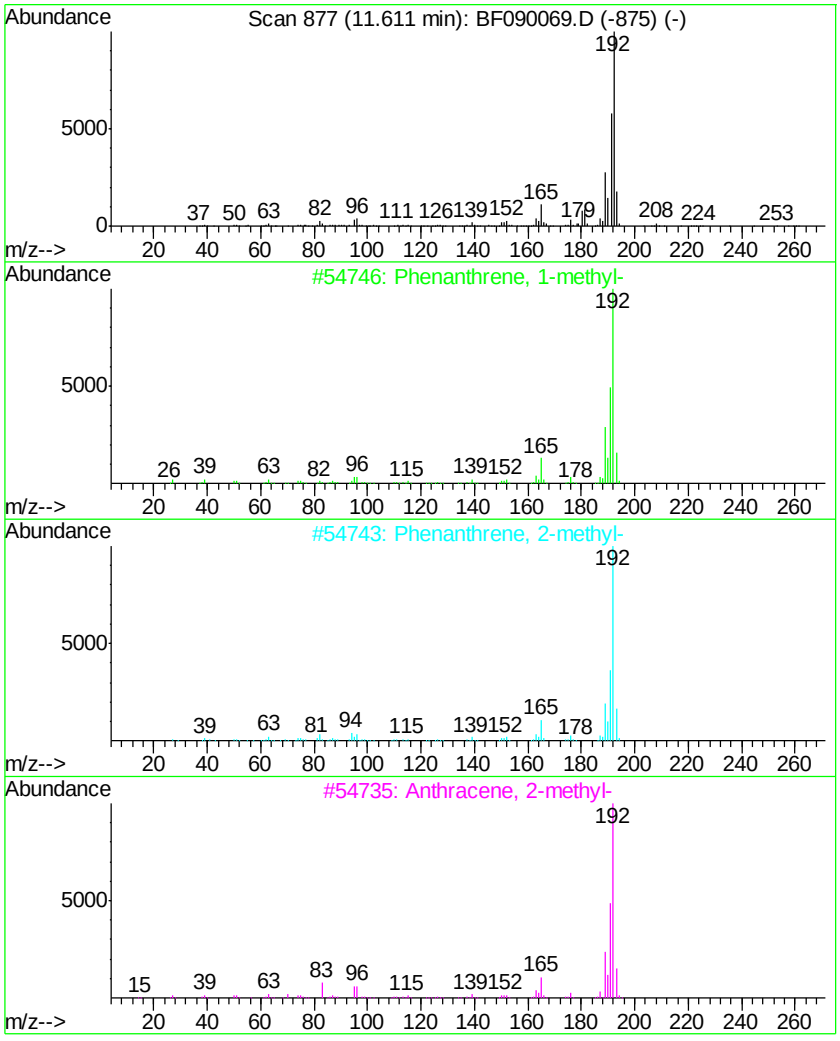
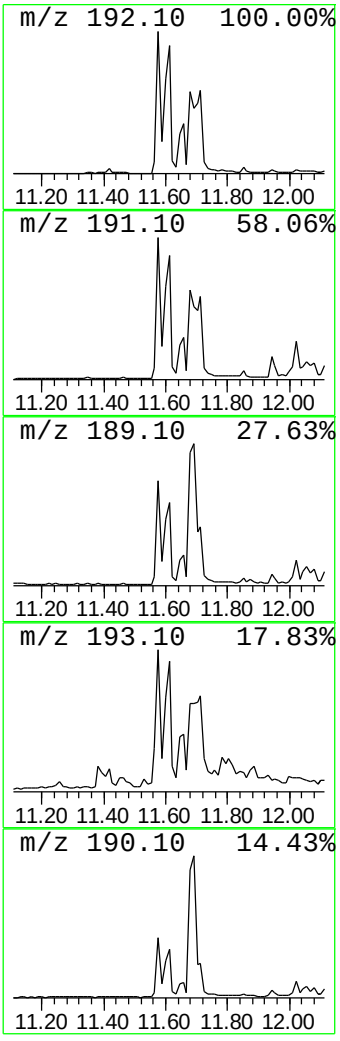
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	2.91 ng	827176	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Acq On : 12 Sep 2016 17:56
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Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2

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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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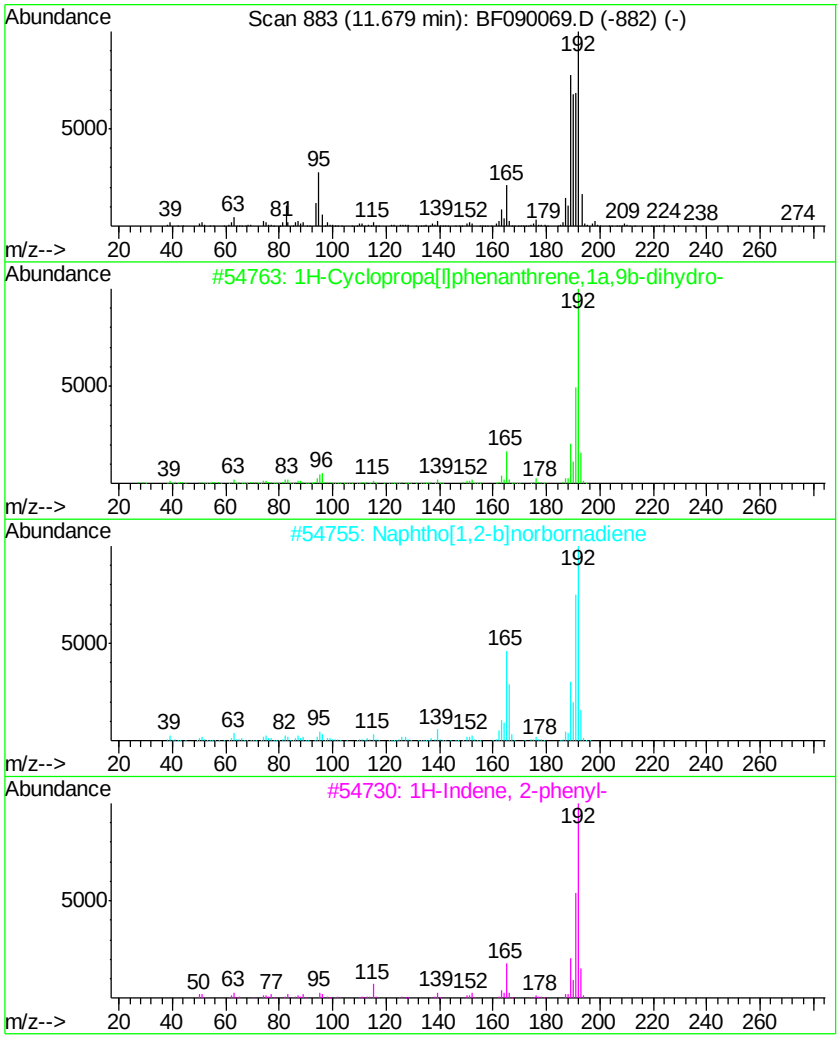
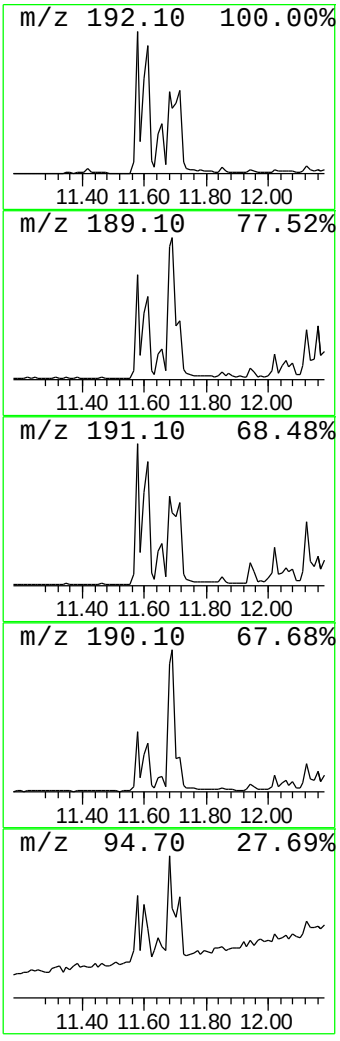
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	4.82 ng	1367750	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
2	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	55
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50





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ClientSampleId : SP-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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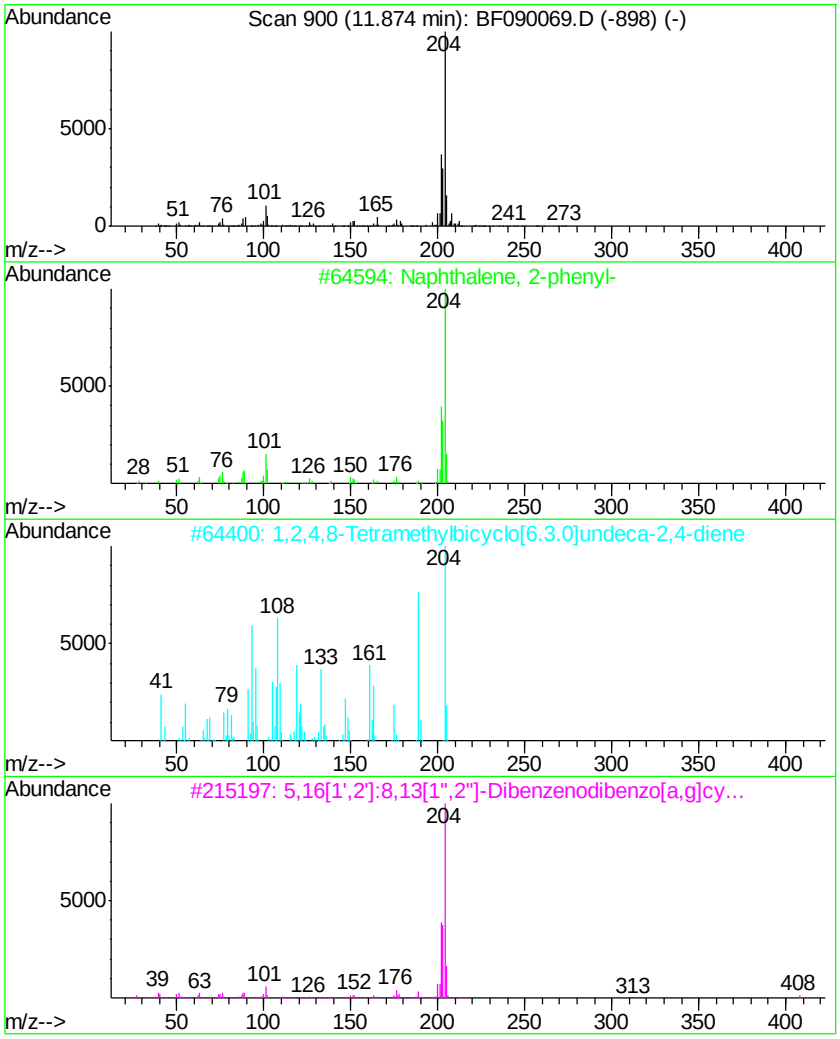
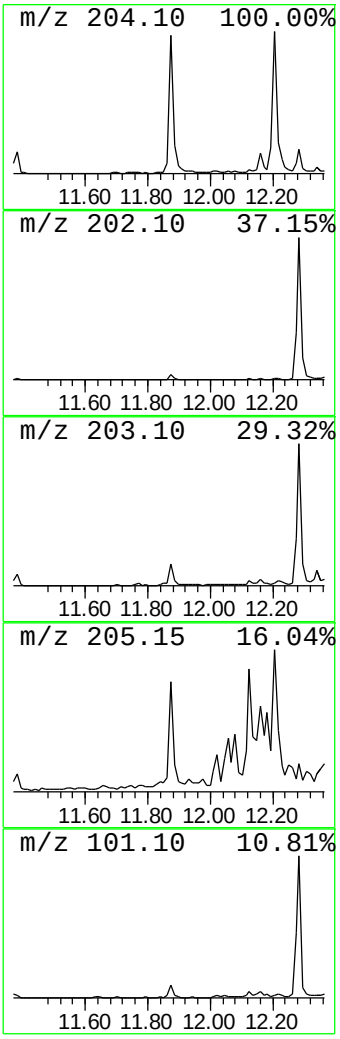
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	3.41 ng	966857	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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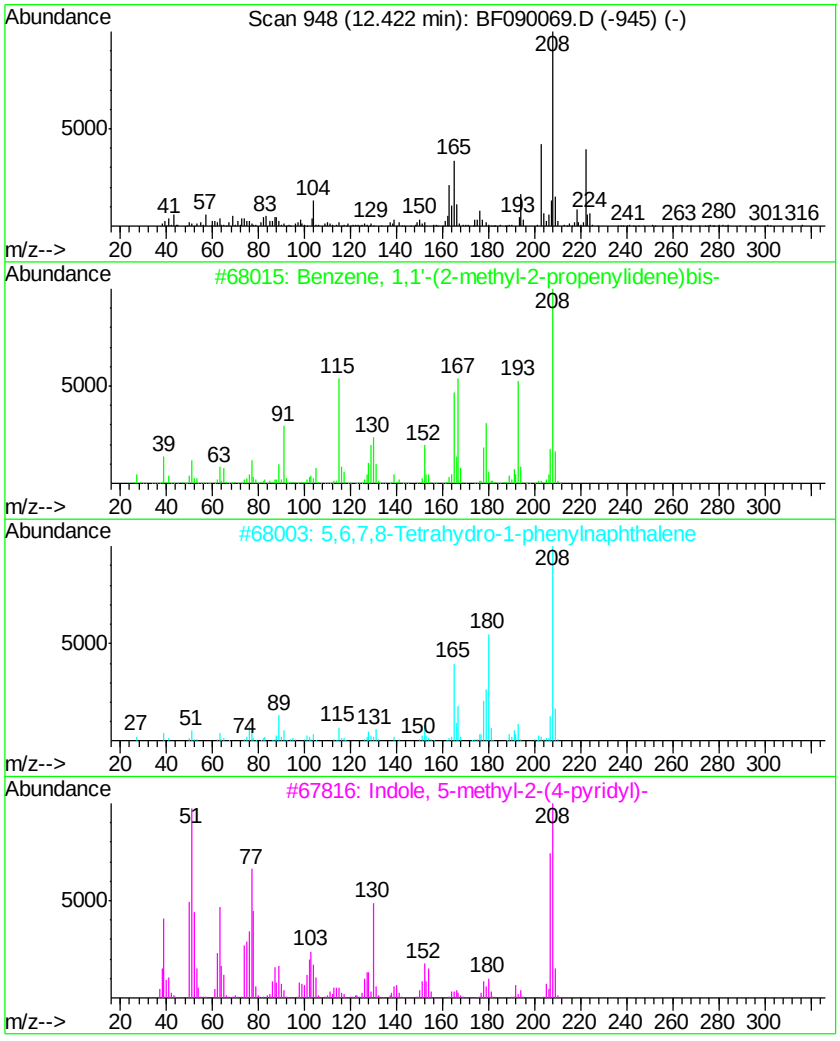
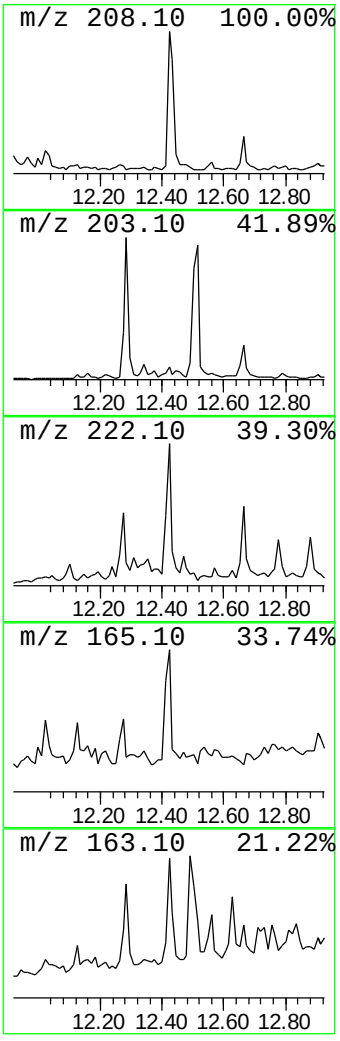
Peak Number 12 unknown12.42 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.79 ng	567322	Chrysene-d12	13.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	46
2	5,6,7,8-Tetrahydro-1-phenylnapht...	208	C16H16	067064-63-5	43
3	Indole, 5-methyl-2-(4-pyridyl)-	208	C14H12N2	107919-92-6	42
4	3,5-Dimethoxy-4-hydroxycinnamald...	208	C11H12O4	087345-53-7	38
5	3,5-Dimethoxycinnamic acid	208	C11H12O4	016909-11-8	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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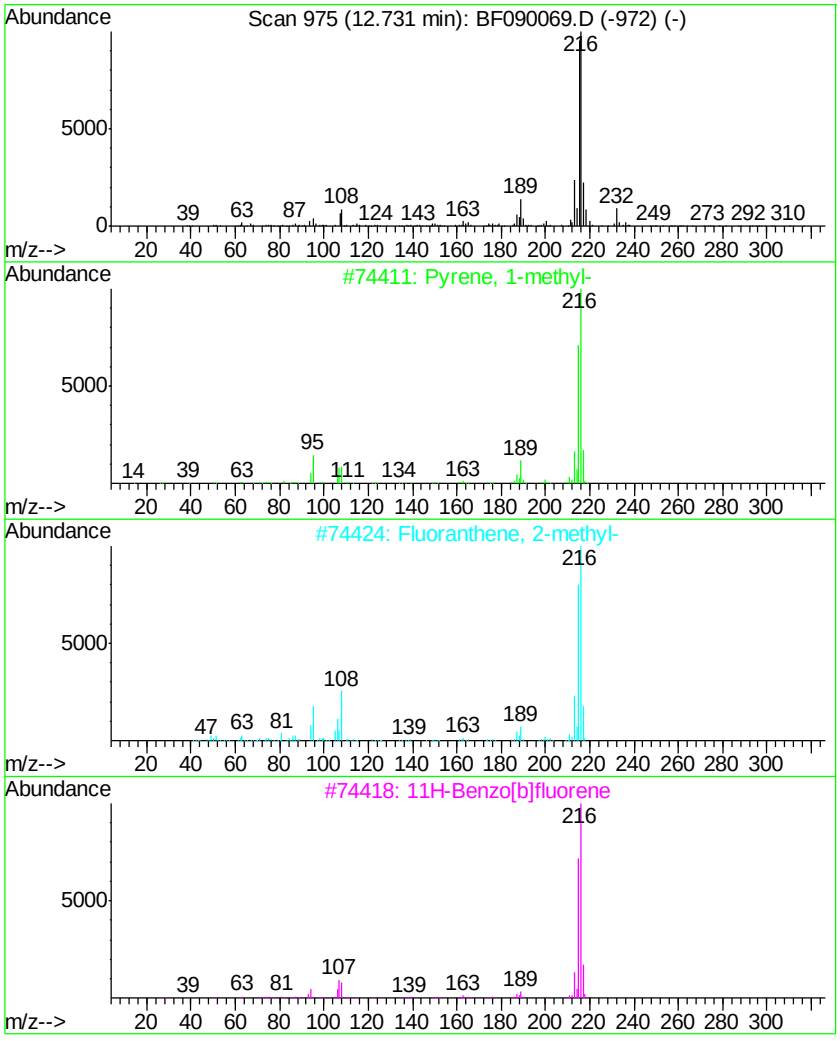
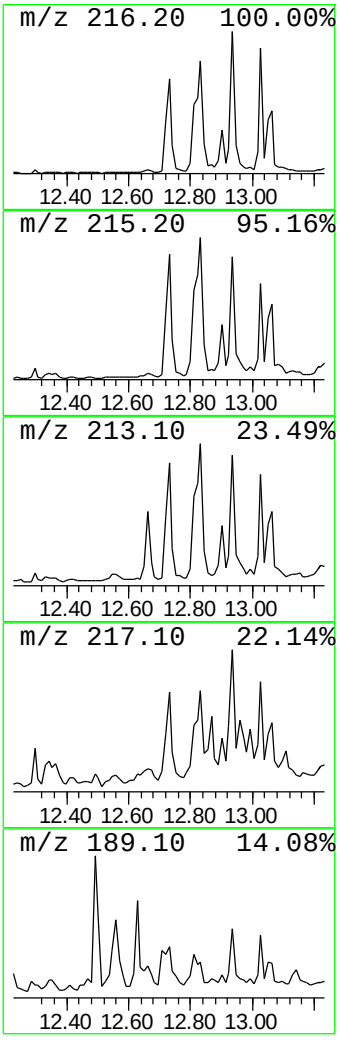
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	3.57 ng	725096	Chrysene-d12	13.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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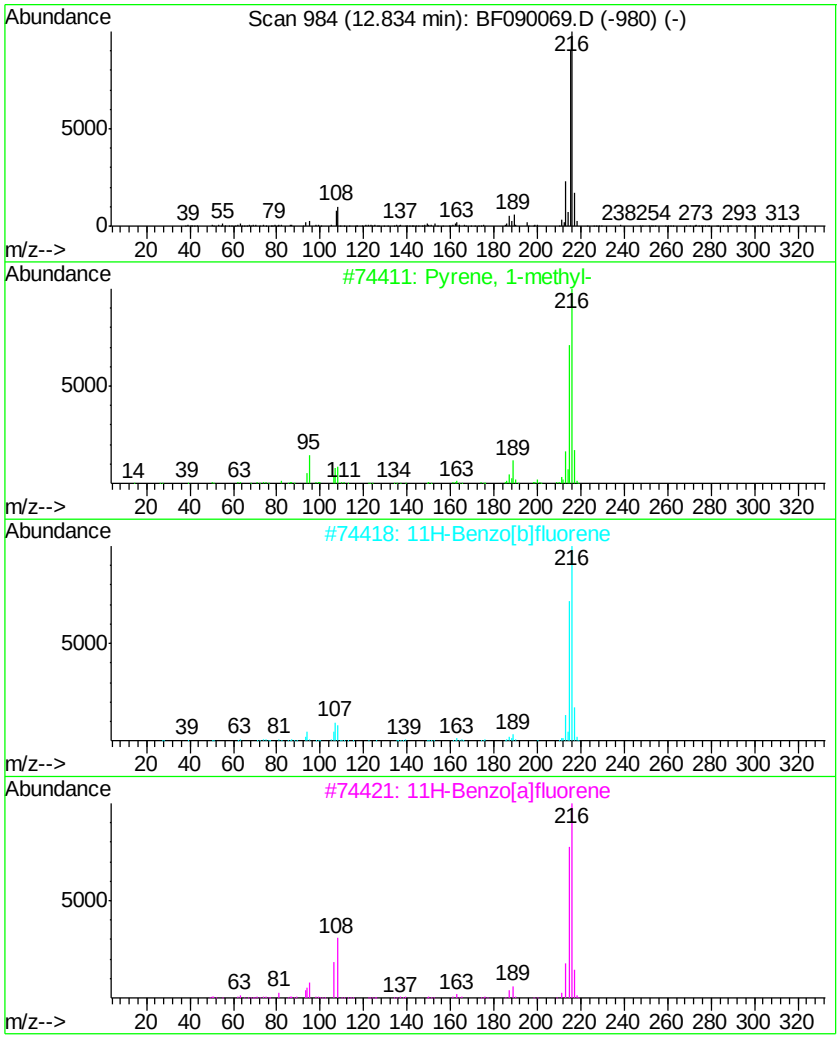
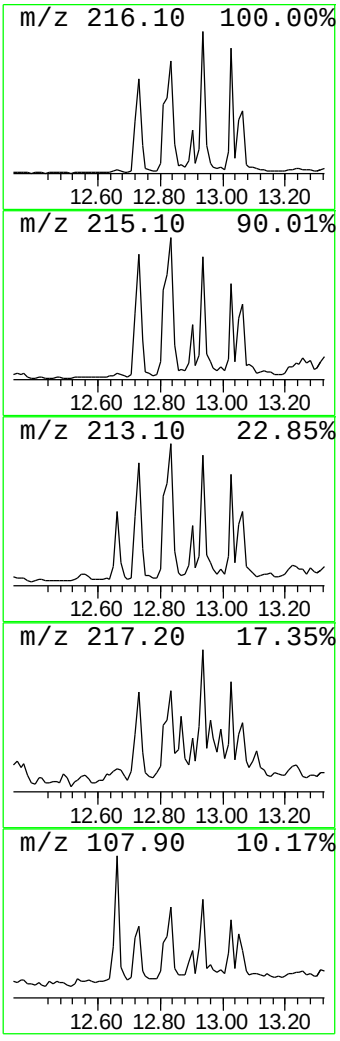
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	5.08 ng	1030670	Chrysene-d12	13.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





Library Search Compound Report

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ClientSampleId : SP-2

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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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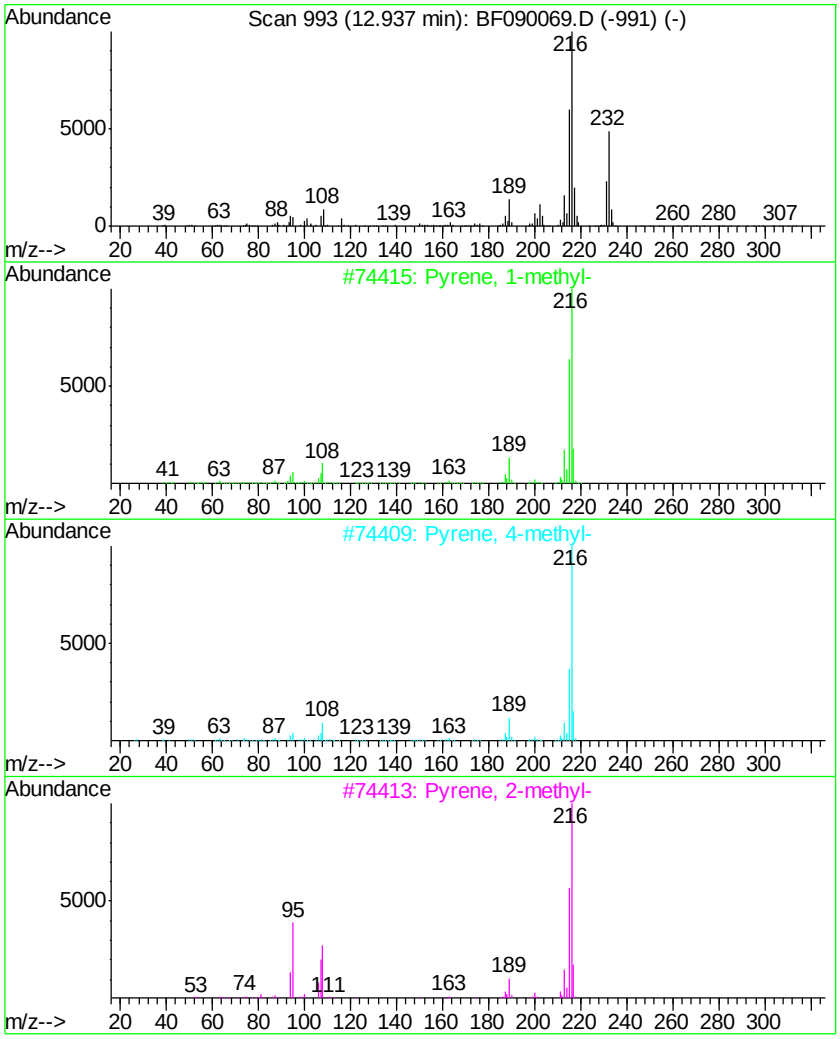
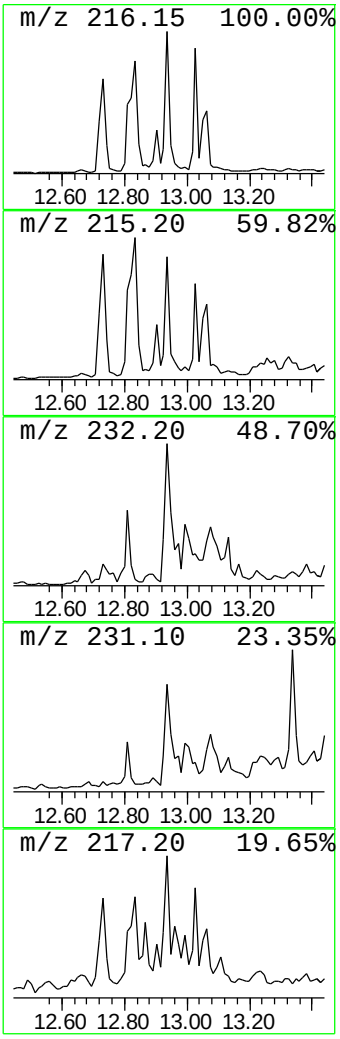
Peak Number 15 Pyrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	4.67 ng	948048	Chrysene-d12	13.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64





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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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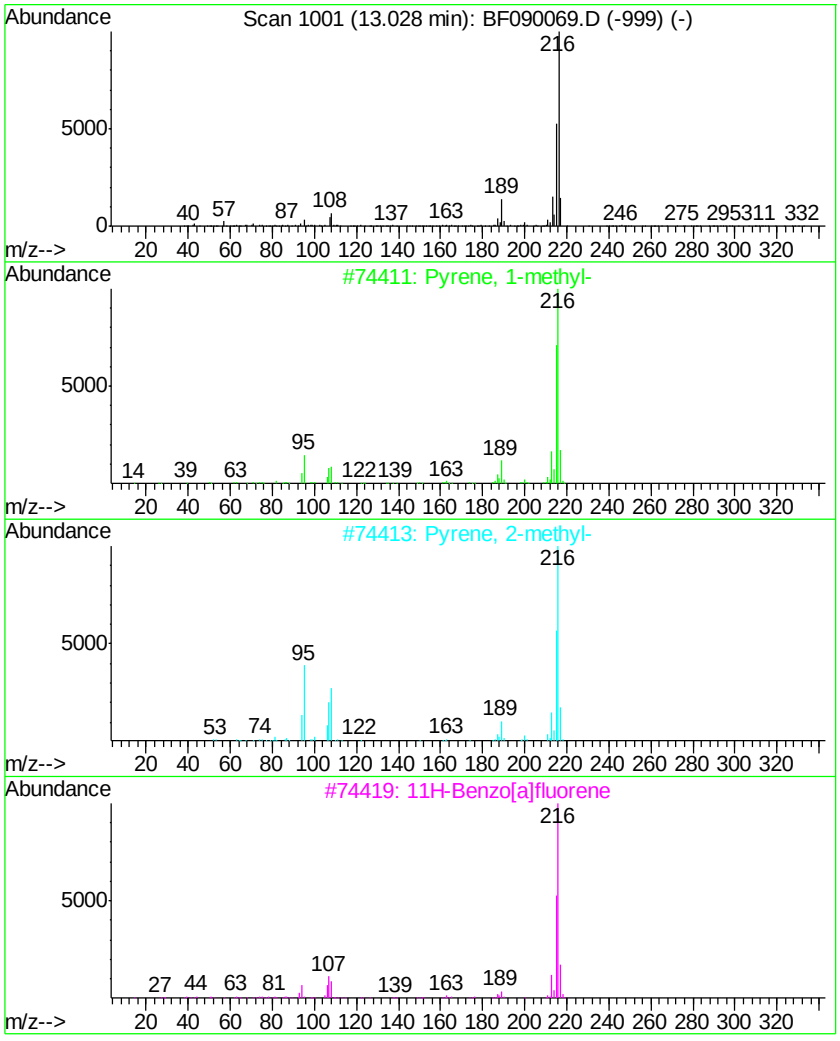
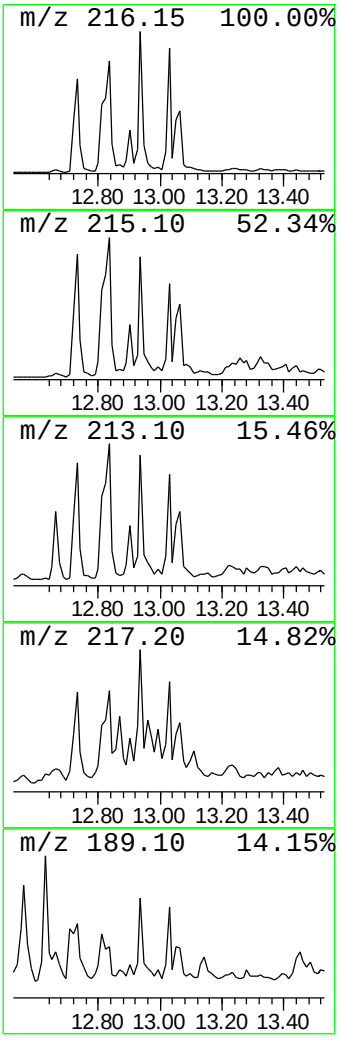
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.39 ng	484770	Chrysene-d12	13.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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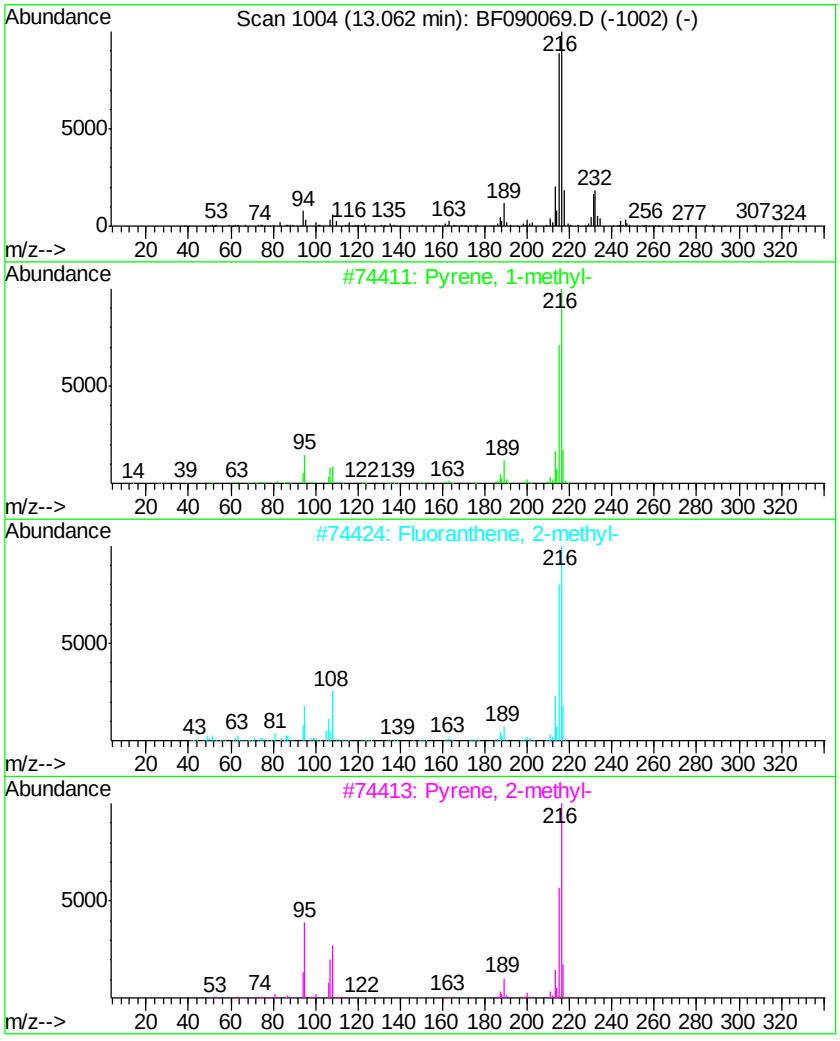
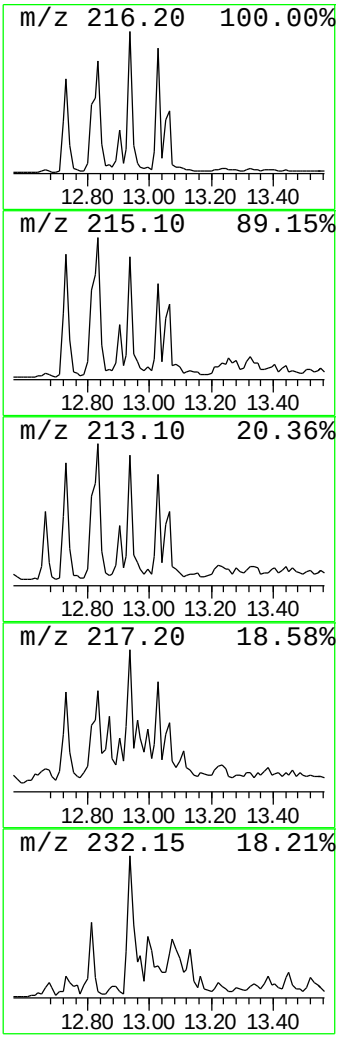
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.38 ng	483753	Chrysene-d12	13.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74





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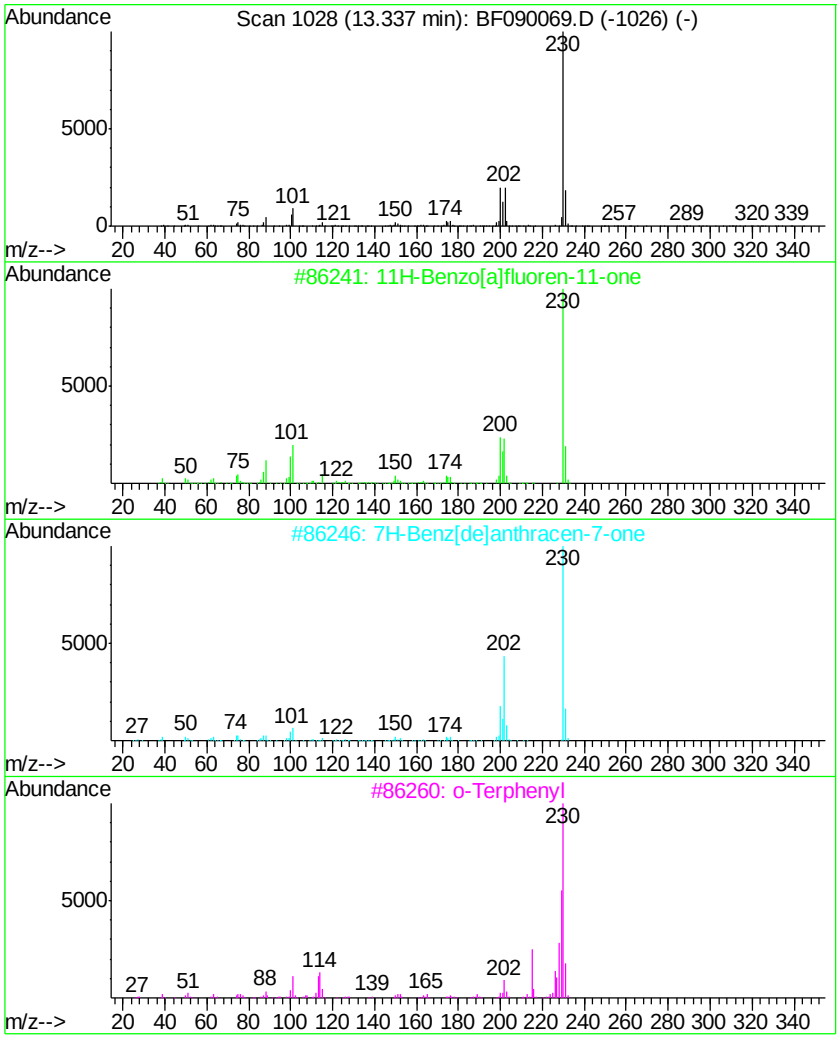
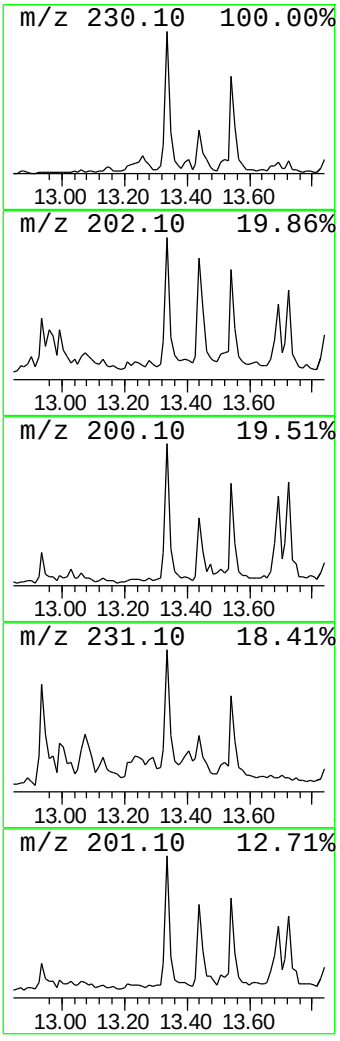
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.79 ng	566568	Chrysene-d12	13.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	o-Terphenyl	230	C18H14	000084-15-1	58
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
5	p-Terphenyl	230	C18H14	000092-94-4	50





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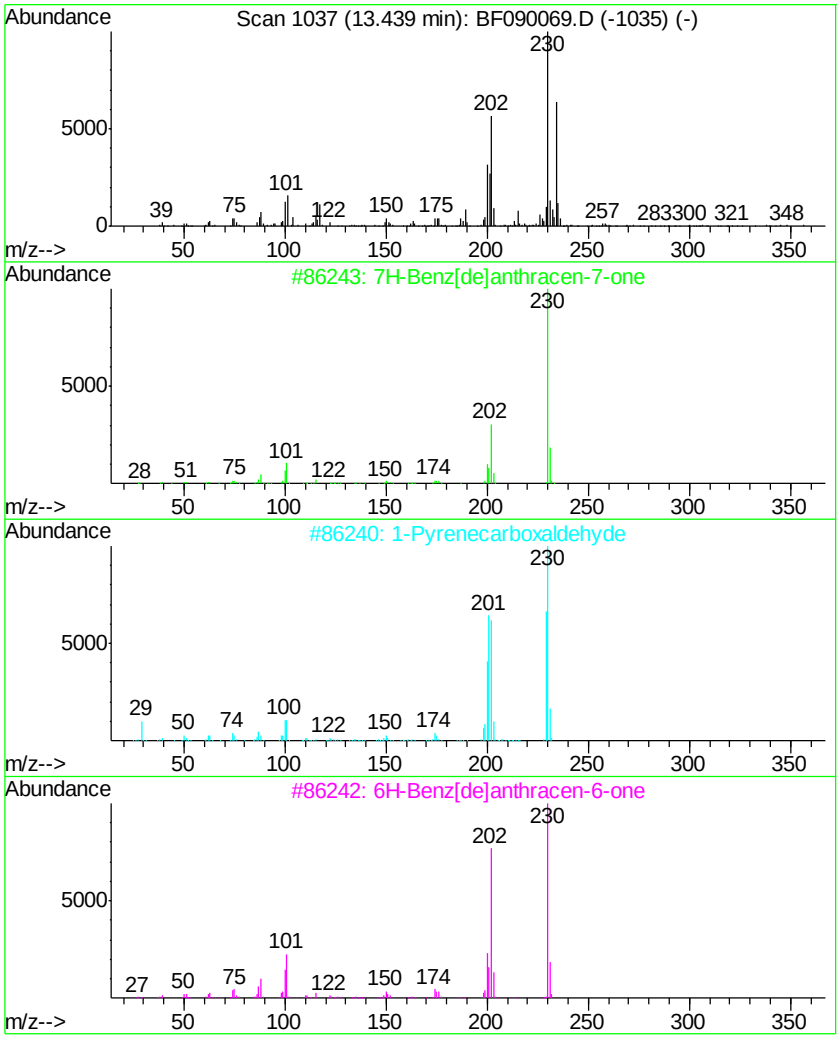
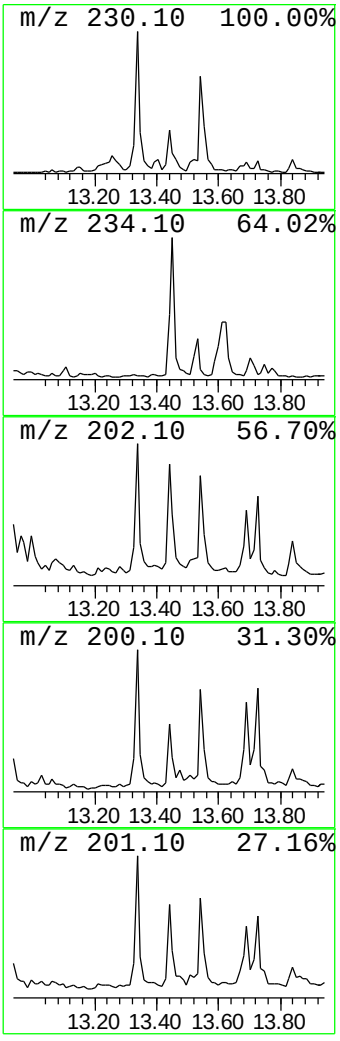
Peak Number 19 7H-Benz[de]anthracen-7-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	2.85 ng	578822	Chrysene-d12	13.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
2	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	83
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58
4	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	52
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	45





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Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2

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TIC Library : C:\Database\NIST11.L
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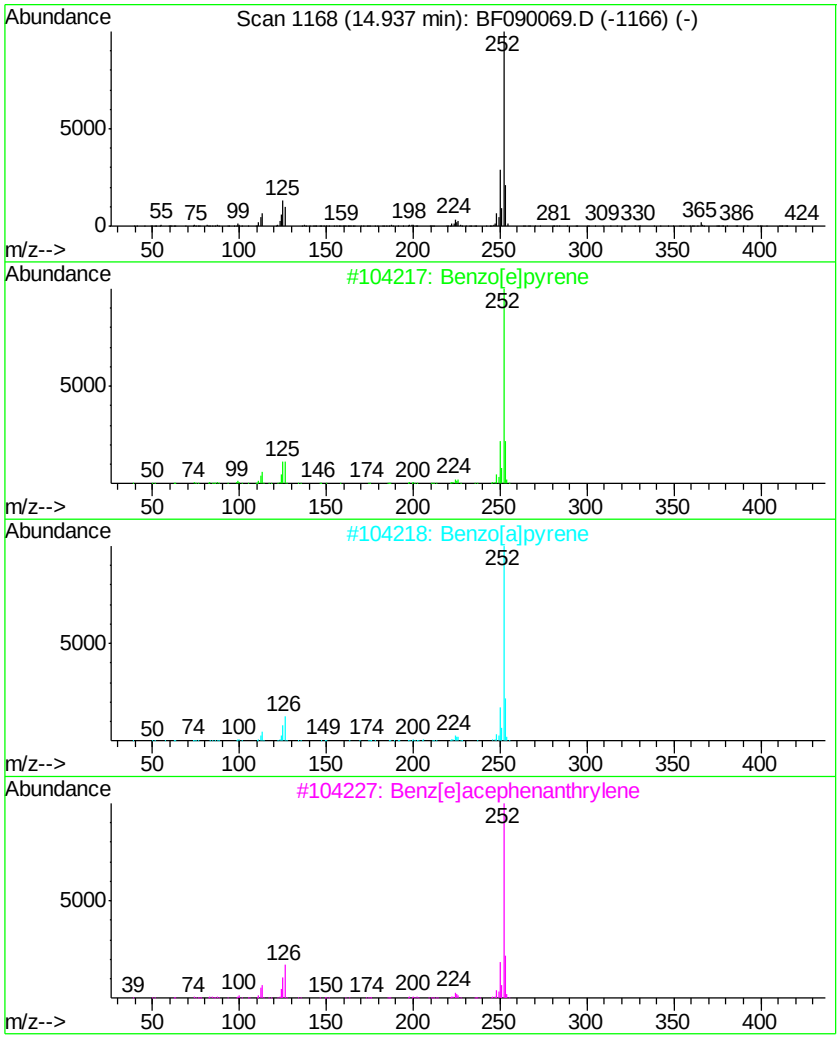
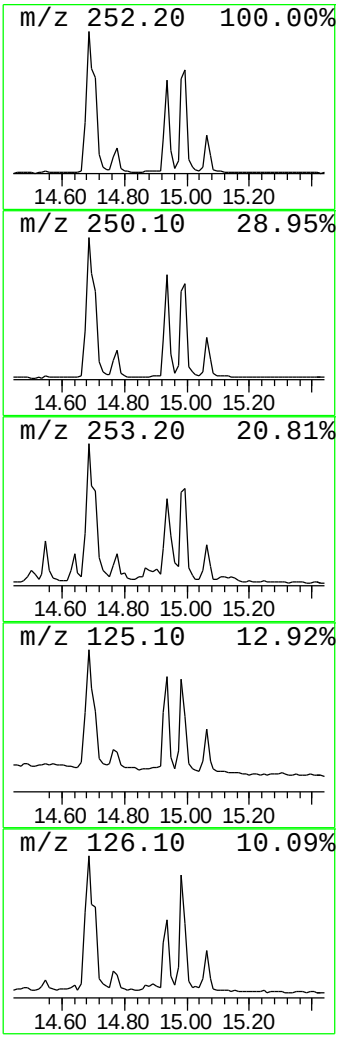
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	30.93 ng	901109	Perylene-d12	15.04

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	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
Data File : BF090069.D
Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.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...	4.68	18.9	ng	1035500	1	6.57	1094070	20.0
unknown6.34	6.34	73.0	ng	3994450	1	6.57	1094070	20.0
unknown10.03	10.03	3.4	ng	247657	3	9.61	1450100	20.0
Naphthalene, 1-(2...	10.22	2.4	ng	170166	3	9.61	1450100	20.0
Dibenzofuran, 4-m...	10.31	3.0	ng	216471	3	9.61	1450100	20.0
Phenanthrene, 2-m...	11.58	2.4	ng	677223	4	11.07	5676380	20.0
Phenanthrene, 1-m...	11.61	2.9	ng	827176	4	11.07	5676380	20.0
1H-Cyclopropa[l]p...	11.68	4.8	ng	1367750	4	11.07	5676380	20.0
Naphthalene, 2-ph...	11.87	3.4	ng	966857	4	11.07	5676380	20.0
unknown12.42	12.42	2.8	ng	567322	5	13.70	4060560	20.0
Pyrene, 1-methyl-	12.73	3.6	ng	725096	5	13.70	4060560	20.0
11H-Benzo[b]fluorene	12.83	5.1	ng	1030670	5	13.70	4060560	20.0
Pyrene, 4-methyl-	12.94	4.7	ng	948048	5	13.70	4060560	20.0
Pyrene, 2-methyl-	13.03	2.4	ng	484770	5	13.70	4060560	20.0
Fluoranthene, 2-m...	13.06	2.4	ng	483753	5	13.70	4060560	20.0
11H-Benzo[a]fluor...	13.34	2.8	ng	566568	5	13.70	4060560	20.0
7H-Benz[de]anthra...	13.44	2.9	ng	578822	5	13.70	4060560	20.0
Benzo[e]pyrene	14.94	30.9	ng	901109	6	15.04	582763	20.0