LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093261.D
Acq On : 28 Feb 2017 21:07
Operator : SJ/MA
Sample : I2017-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-11-20170227

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	3.618	127	134	141	rBV4	38323	104353	2.26%	0.130%
2	3.961	160	164	166	rBV	64535	111427	2.41%	0.139%
3	4.327	193	196	202	rBV2	149955	267134	5.78%	0.334%
4	4.887	242	245	248	rVB2	86117	127154	2.75%	0.159%
5	4.967	248	252	259	rBV	933084	1287213	27.87%	1.610%
6	5.356	282	286	289	rBV	67867	107257	2.32%	0.134%
7	5.413	289	291	300	rBV	2955935	3006765	65.09%	3.760%
8	6.464	380	383	388	rBV	3069293	3363970	72.82%	4.207%
9	6.579	391	393	396	rVV	2872434	2768384	59.93%	3.462%
10	6.636	396	398	401	rVB	108401	136867	2.96%	0.171%
11	6.807	411	413	416	rVB	1005447	869420	18.82%	1.087%
12	6.967	424	427	429	rBV	2204286	2313334	50.08%	2.893%
13	7.379	461	463	465	rBV	2005921	1864793	40.37%	2.332%
14	8.099	523	526	530	rBV2	853402	1257019	27.21%	1.572%
15	8.807	587	588	590	rVV	117999	90976	1.97%	0.114%
16	8.910	592	597	599	rBV2	92232	150963	3.27%	0.189%
17	9.173	617	620	622	rBV	2757509	2776450	60.10%	3.472%
18	9.253	624	627	631	rBV2	35483	97759	2.12%	0.122%
19	9.505	647	649	650	rBV	119006	114401	2.48%	0.143%
20	9.562	653	654	657	rVV2	166873	228075	4.94%	0.285%
21	9.619	658	659	664	rVB	55114	91307	1.98%	0.114%
22	9.710	664	667	669	rBV	694869	628379	13.60%	0.786%
23	9.848	675	679	681	rBV	1130858	1092645	23.65%	1.366%
24	9.882	681	682	684	rVB	200640	142690	3.09%	0.178%
25	10.008	690	693	695	rBV3	52784	106451	2.30%	0.133%
26	10.053	695	697	699	rVV	214926	209116	4.53%	0.262%
27	10.271	712	716	718	rBV3	100276	197802	4.28%	0.247%
28	10.396	725	727	730	rVB	295114	300250	6.50%	0.375%
29	10.476	730	734	735	rBV2	69802	205603	4.45%	0.257%
30	10.499	735	736	739	rVV3	79830	112751	2.44%	0.141%
31	10.556	739	741	742	rVB	73789	93994	2.03%	0.118%
32	10.636	746	748	751	rVB	1264912	1305115	28.25%	1.632%
33	10.762	756	759	762	rVB2	207994	314324	6.80%	0.393%
34	10.945	771	775	776	rBV2	115591	173646	3.76%	0.217%

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Instrument : BNA_F
ClientSampleId : TK3-11-20170227

Integration Parameters: rteint.p
Integrator: RTE
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.093	783	788	791	rBV2	129721	249937	5.41%	0.313%
36	11.139	791	792	794	rVB	260337	271194	5.87%	0.339%
37	11.196	794	797	798	rBV2	120276	175502	3.80%	0.219%
38	11.231	798	800	803	rVB	318266	329980	7.14%	0.413%
39	11.333	807	809	810	rBV	895172	948647	20.54%	1.186%
40	11.356	810	811	813	rVB	2313541	2853828	61.78%	3.569%
41	11.413	813	816	817	rVB	766239	716452	15.51%	0.896%
42	11.448	817	819	822	rVB2	129820	151506	3.28%	0.189%
43	11.573	826	830	832	rBV2	479356	585063	12.67%	0.732%
44	11.631	833	835	836	rVB2	101544	117124	2.54%	0.146%
45	11.665	836	838	841	rVB2	232525	284084	6.15%	0.355%
46	11.745	842	845	847	rVB2	134911	200998	4.35%	0.251%
47	11.791	847	849	851	rBV	96701	117899	2.55%	0.147%
48	11.836	851	853	854	rBV	932171	824006	17.84%	1.030%
49	11.871	854	856	857	rVB	859781	980251	21.22%	1.226%
50	11.916	857	860	861	rBV2	252535	285901	6.19%	0.358%
51	11.951	861	863	867	rVB2	1067613	1900803	41.15%	2.377%
52	12.019	867	869	872	rBV3	113460	255495	5.53%	0.320%
53	12.065	872	873	875	rVB2	94249	106686	2.31%	0.133%
54	12.134	877	879	880	rBV	411438	426910	9.24%	0.534%
55	12.168	880	882	884	rVB	796928	756858	16.38%	0.946%
56	12.202	884	885	886	rBV	108939	91178	1.97%	0.114%
57	12.282	889	892	893	rBV2	290206	421583	9.13%	0.527%
58	12.316	893	895	898	rVB2	226078	442822	9.59%	0.554%
59	12.385	899	901	903	rBV	733632	909688	19.69%	1.138%
60	12.419	903	904	907	rVB3	392325	497552	10.77%	0.622%
61	12.476	907	909	911	rVB2	541425	646524	14.00%	0.809%
62	12.556	913	916	918	rBV	3948974	3952876	85.57%	4.943%
63	12.614	918	921	922	rBV2	250285	342561	7.42%	0.428%
64	12.648	922	924	925	rVB	293098	260316	5.64%	0.326%
65	12.694	925	928	930	rBV3	357606	484457	10.49%	0.606%
66	12.785	933	936	939	rBV	3665824	4619450	100.00%	5.777%
67	12.831	939	940	944	rVB2	290423	362731	7.85%	0.454%
68	12.922	944	948	952	rVB2	2214582	2739536	59.30%	3.426%
69	13.002	952	955	958	rBV2	518464	945968	20.48%	1.183%
70	13.105	961	964	966	rVB	617639	1130671	24.48%	1.414%
71	13.151	966	968	969	rBV2	97958	190594	4.13%	0.238%

LSC Area Percent Report

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Acq On : 28 Feb 2017 21:07
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Instrument : BNA_F
ClientSampleId : TK3-11-20170227

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.174	969	970	971	rBV	211930	176692	3.82%	0.221%
73	13.208	971	973	977	rVB3	579196	967380	20.94%	1.210%
74	13.299	980	981	983	rBV	359951	482275	10.44%	0.603%
75	13.334	983	984	989	rVB	548794	525917	11.38%	0.658%
76	13.482	993	997	1000	rBV4	154250	458484	9.93%	0.573%
77	13.619	1007	1009	1011	rVB	766851	716307	15.51%	0.896%
78	13.677	1013	1014	1016	rBV	108283	93017	2.01%	0.116%
79	13.722	1016	1018	1020	rBV	541560	939065	20.33%	1.174%
80	13.779	1022	1023	1025	rVV2	342618	506578	10.97%	0.633%
81	13.825	1025	1027	1029	rVB2	524507	789379	17.09%	0.987%
82	13.894	1031	1033	1036	rBV2	128192	234427	5.07%	0.293%
83	13.974	1036	1040	1042	rBV2	2275894	4006748	86.74%	5.011%
84	14.008	1042	1043	1047	rVB	2196421	1921772	41.60%	2.403%
85	14.088	1047	1050	1051	rBV2	188006	305479	6.61%	0.382%
86	14.134	1052	1054	1059	rVV4	225548	579469	12.54%	0.725%
87	14.214	1059	1061	1062	rVB	156695	169319	3.67%	0.212%
88	14.328	1070	1071	1072	rBV	215051	209521	4.54%	0.262%
89	14.362	1072	1074	1076	rVV	517231	785865	17.01%	0.983%
90	14.442	1079	1081	1084	rVV2	256596	541572	11.72%	0.677%
91	14.488	1084	1085	1089	rVV3	309395	608121	13.16%	0.760%
92	14.557	1089	1091	1094	rVB3	178577	272859	5.91%	0.341%
93	14.854	1115	1117	1118	rBV2	191377	262366	5.68%	0.328%
94	15.002	1127	1130	1137	rVB2	1214309	2804384	60.71%	3.507%
95	15.105	1137	1139	1141	rBV	300663	305608	6.62%	0.382%
96	15.288	1153	1155	1158	rVB	737421	1004650	21.75%	1.256%
97	15.357	1158	1161	1163	rBV	1020469	1360912	29.46%	1.702%
98	15.414	1163	1166	1167	rBV	333429	541295	11.72%	0.677%
99	16.808	1284	1288	1291	rBV	512143	980650	21.23%	1.226%
100	17.231	1322	1325	1330	rVB	397956	820224	17.76%	1.026%

Sum of corrected areas: 79965753

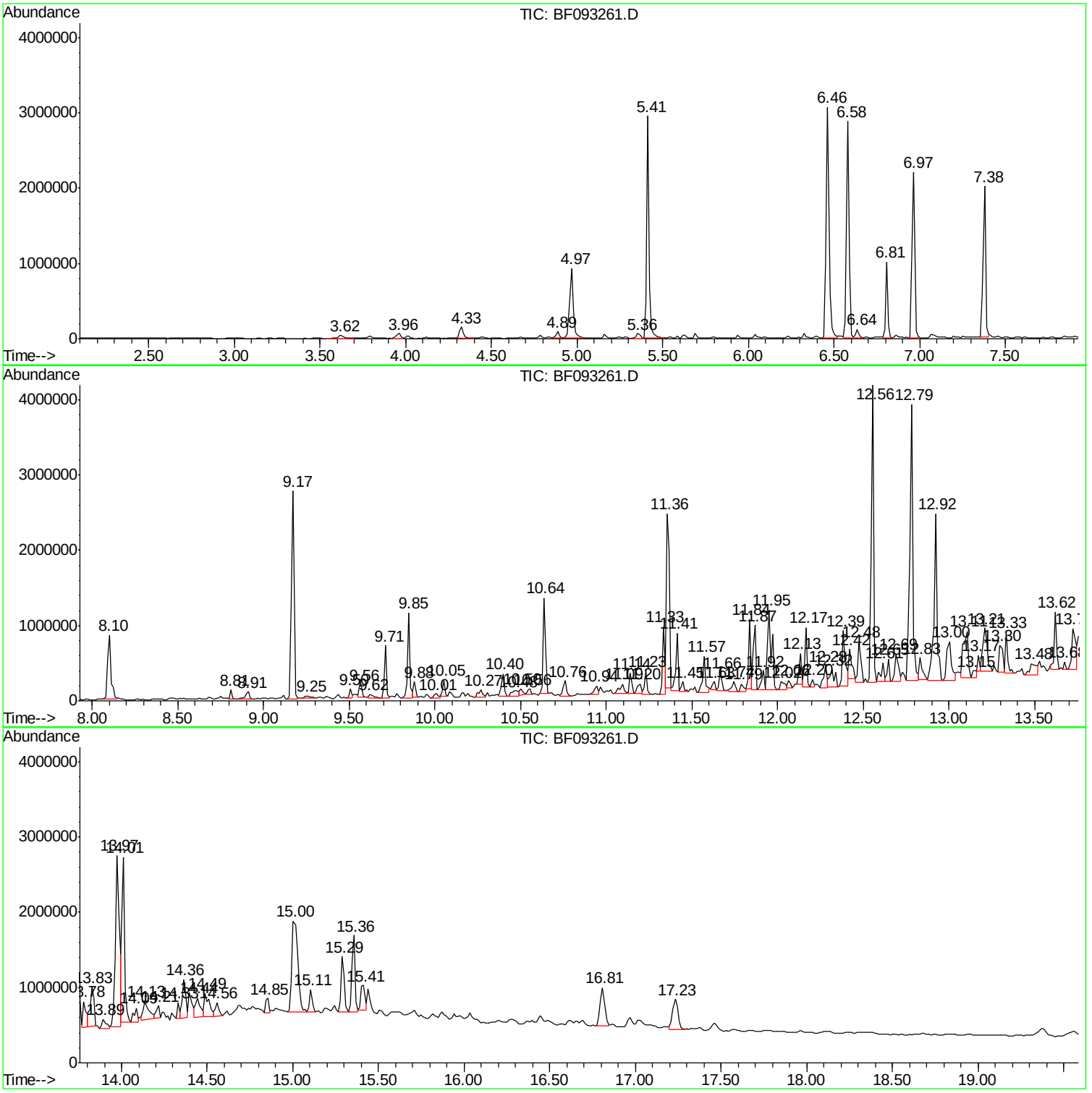
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093261.D
Acq On : 28 Feb 2017 21:07
Operator : SJ/MA
Sample : I2017-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227

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\BF022817\
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Acq On : 28 Feb 2017 21:07
Operator : SJ/MA
Sample : I2017-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-11-20170227

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

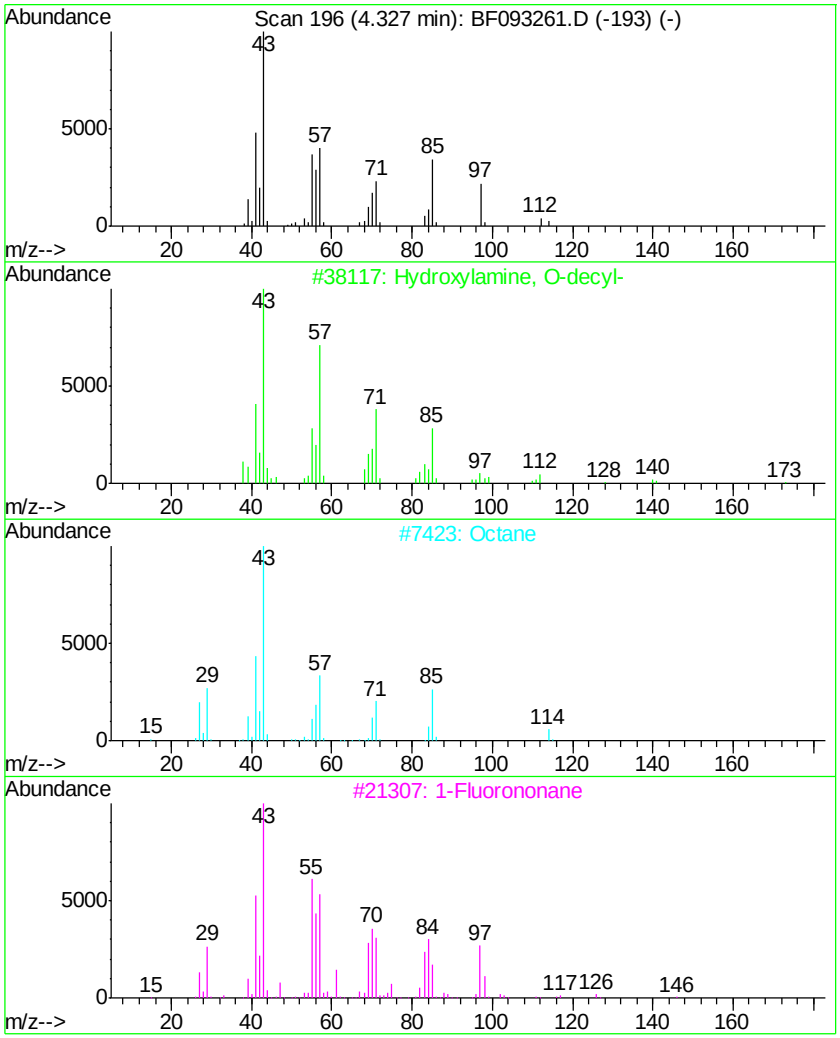
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

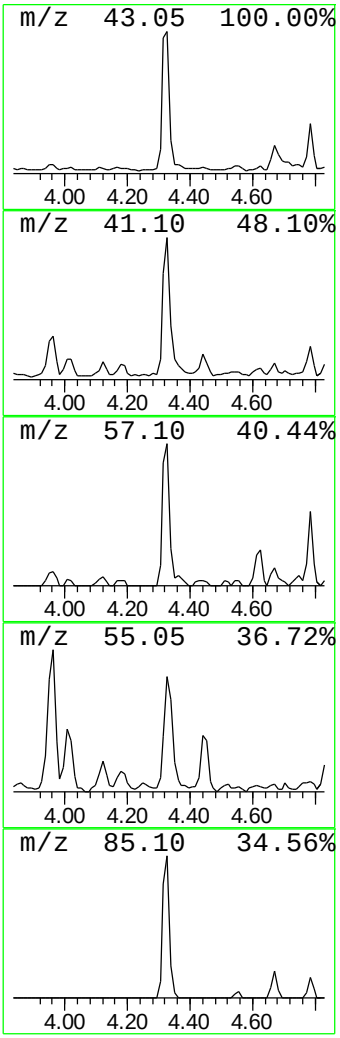
****

Peak Number 1 Hydroxylamine, O-decyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.33	6.15 ng	267134	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	59
2	Octane	114	C8H18	000111-65-9	50
3	1-Fluorononane	146	C9H19F	000463-18-3	50
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093261.D
Acq On : 28 Feb 2017 21:07
Operator : SJ/MA
Sample : I2017-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-11-20170227

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

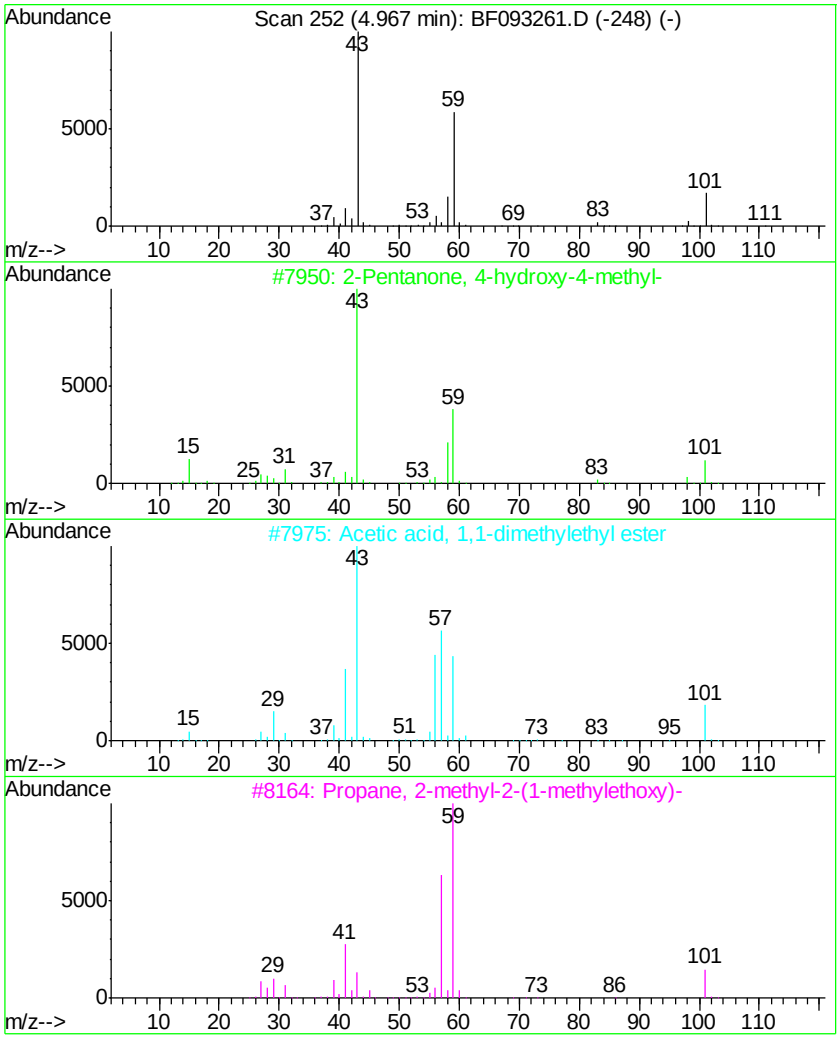
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

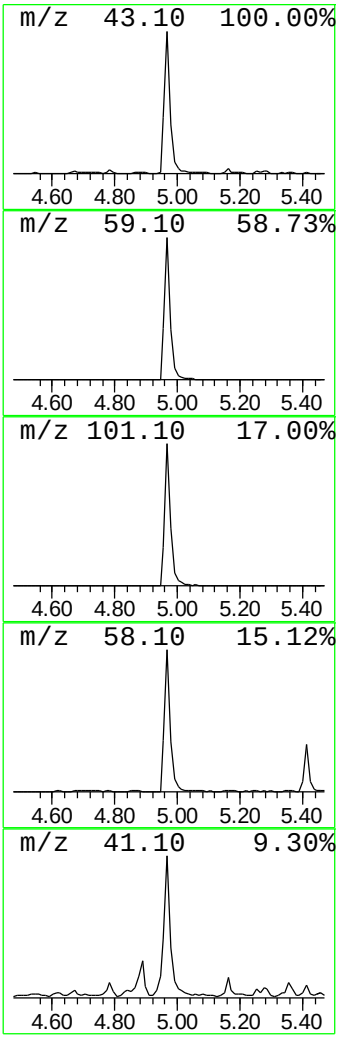
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	29.61 ng	1287210	1,4-Dichlorobenzene-d4	6.81

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	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

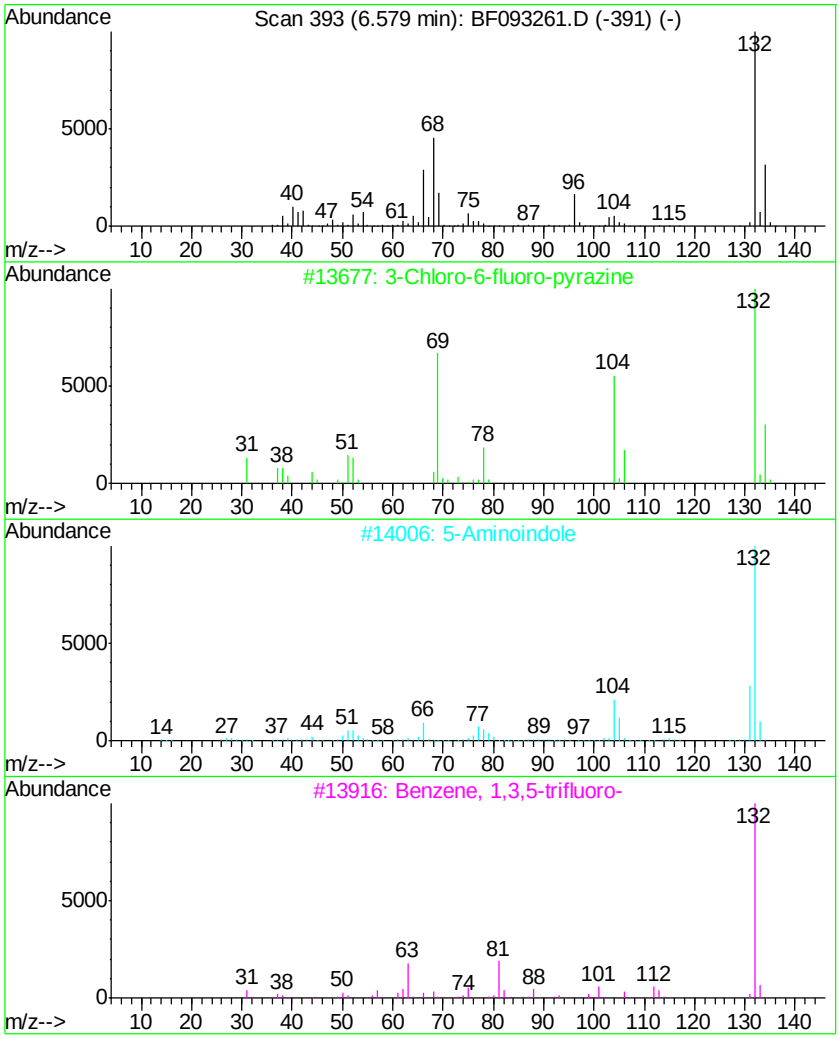
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

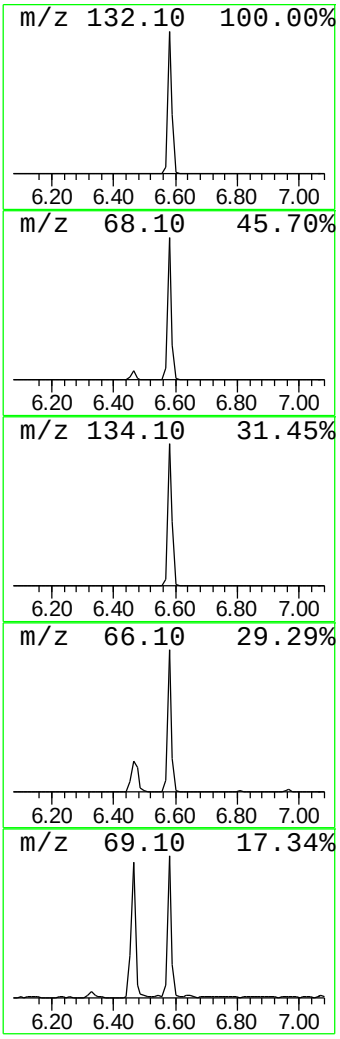
****

Peak Number 3 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	63.68 ng	2768380	1,4-Dichlorobenzene-d4	6.81

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	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4	Xenon	132	Xe	007440-63-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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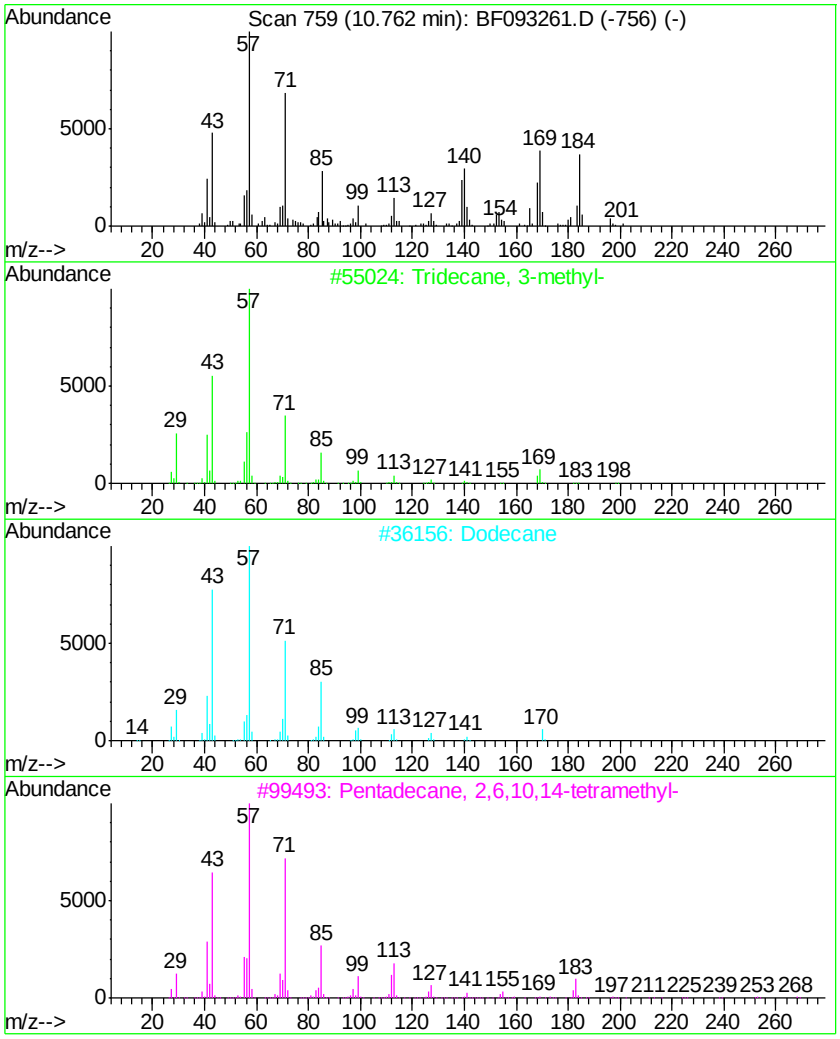
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

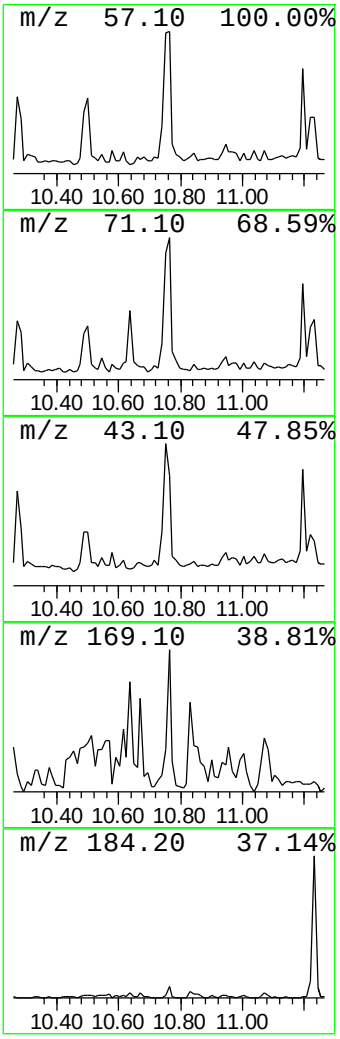
****

Peak Number 5 unknown10.76 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	6.63 ng	314324	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	43
2	Dodecane	170	C12H26	000112-40-3	35
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	30
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	22
5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	18





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093261.D
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Operator : SJ/MA
Sample : I2017-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-11-20170227

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

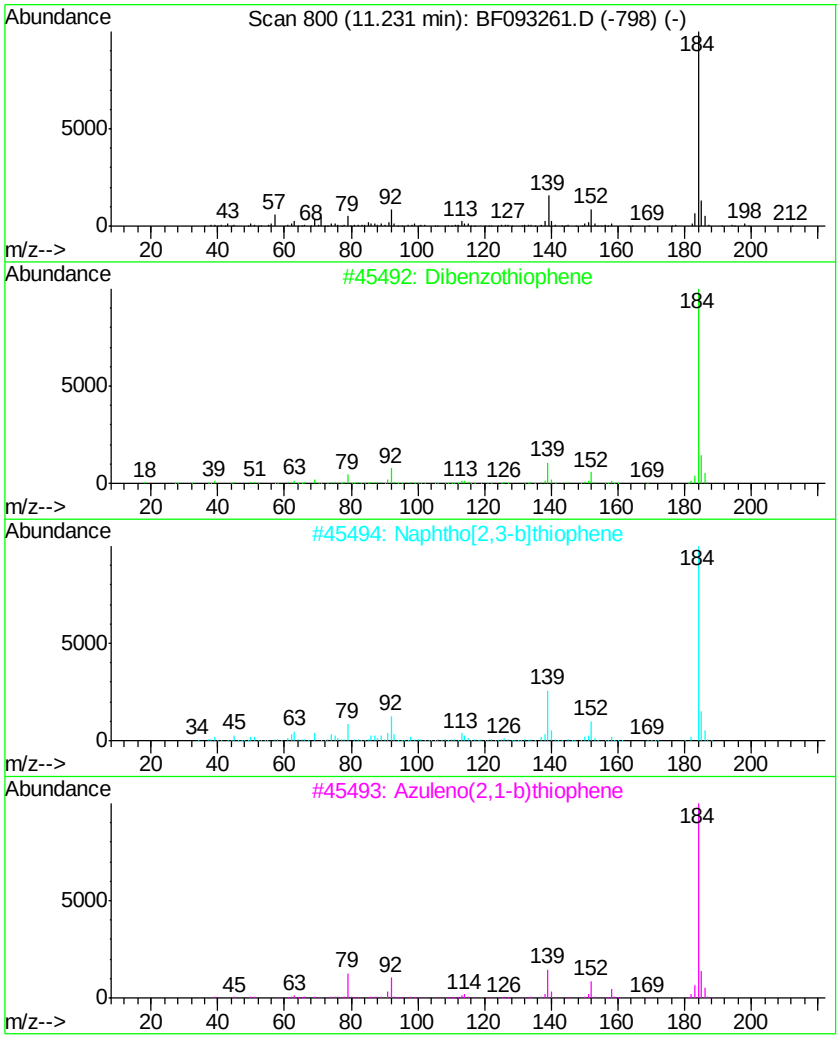
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

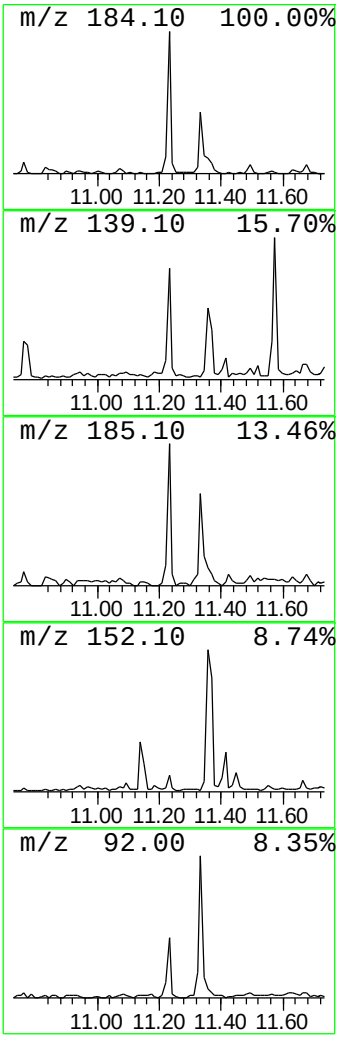
****

Peak Number 6 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	6.96 ng	329980	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	80
5	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093261.D
Acq On : 28 Feb 2017 21:07
Operator : SJ/MA
Sample : I2017-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-11-20170227

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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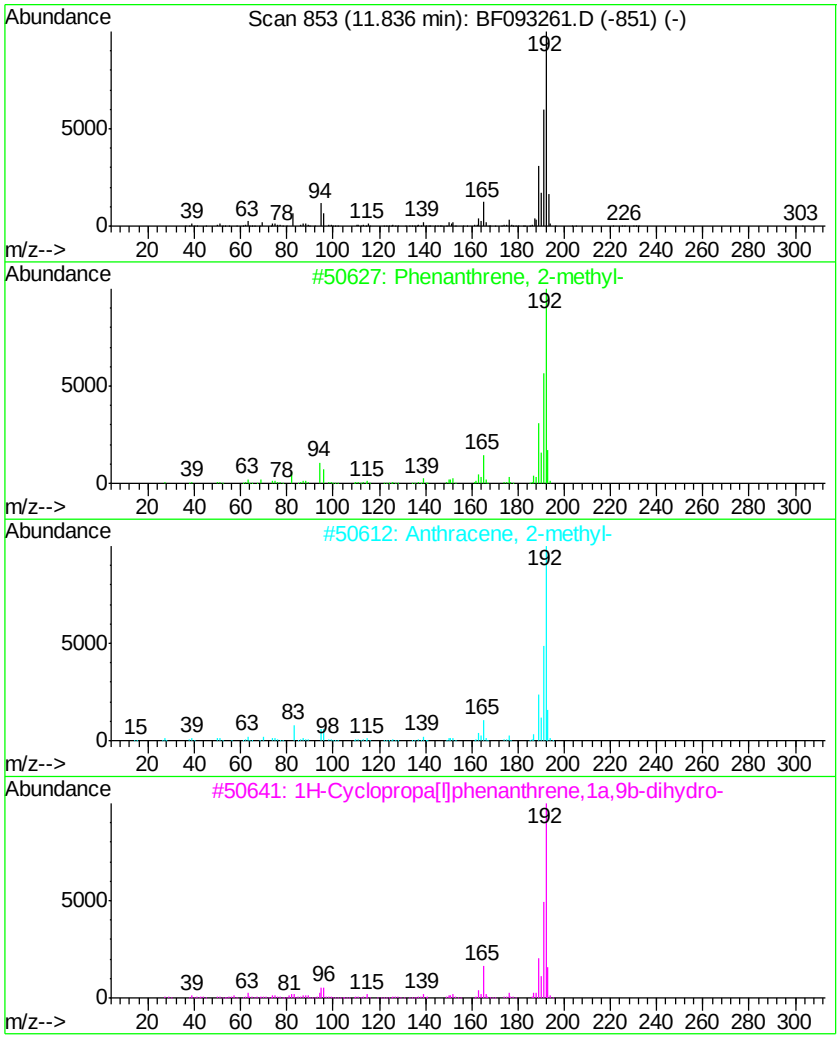
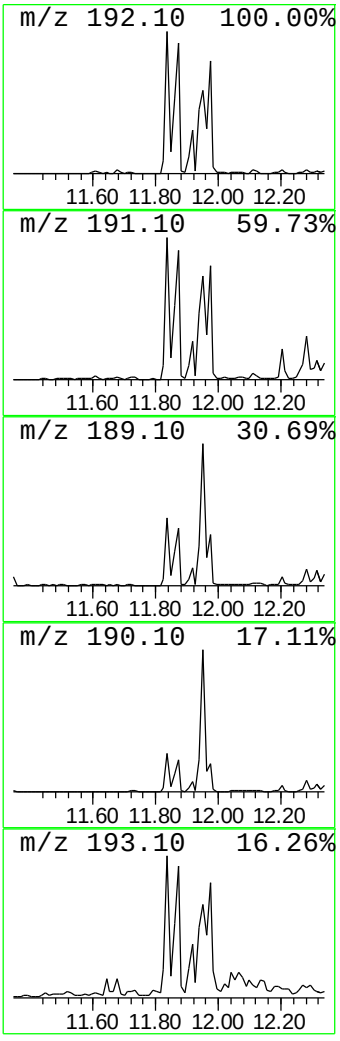
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	17.37 ng	824006	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93





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Sample : I2017-14
Misc :
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Instrument : BNA_F
ClientSampleId : TK3-11-20170227

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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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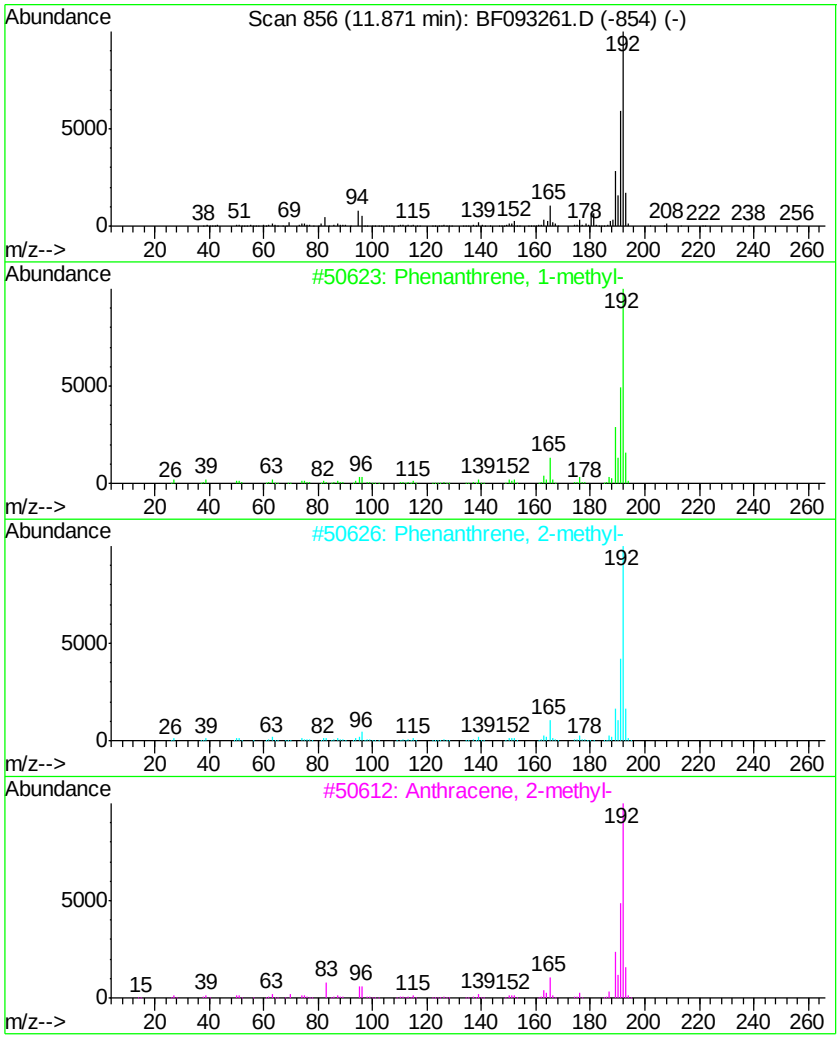
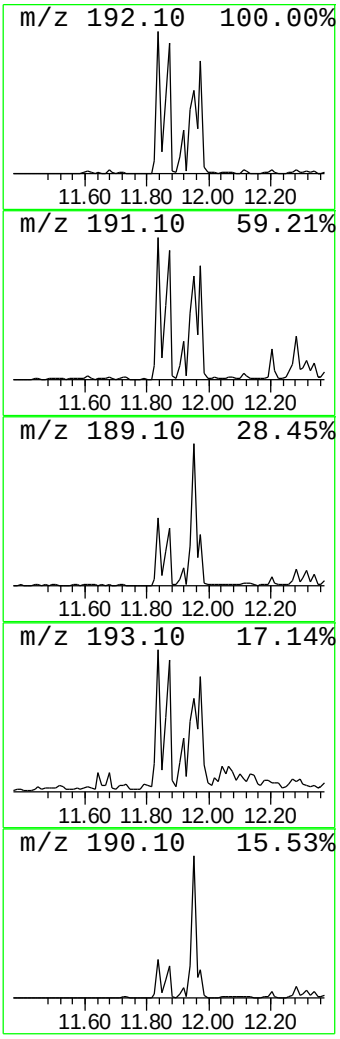
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	20.67 ng	980251	Phenanthrene-d10	11.33

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	92





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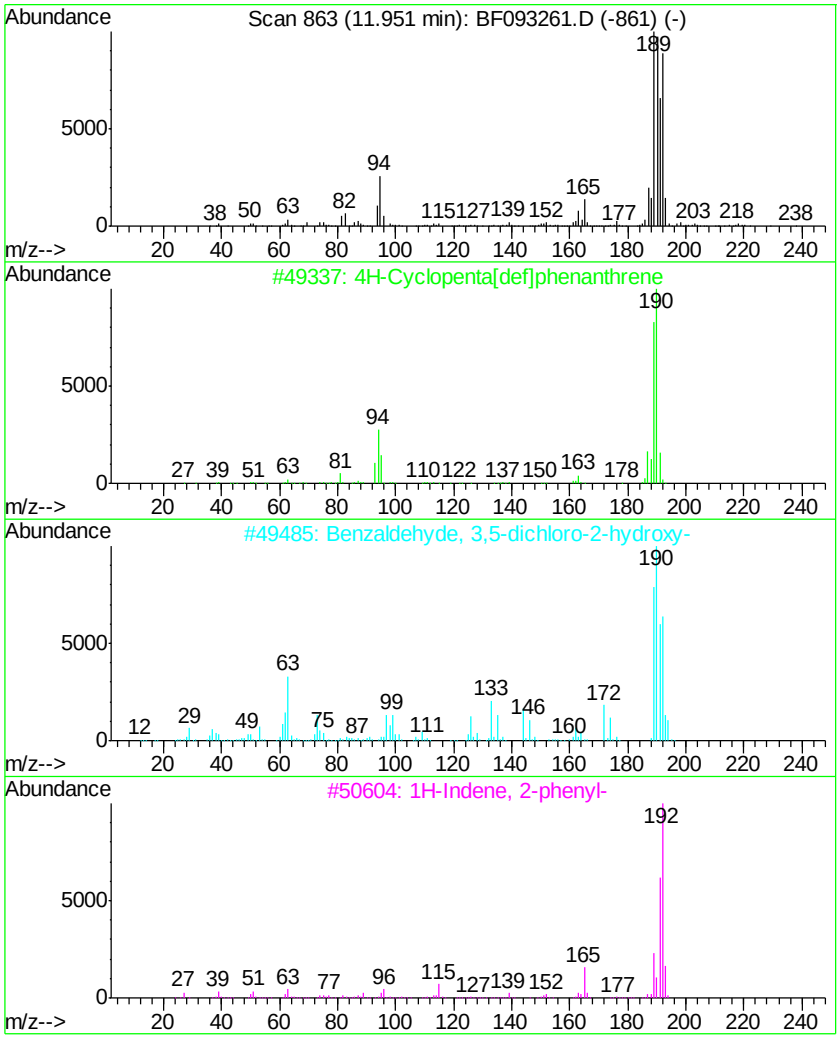
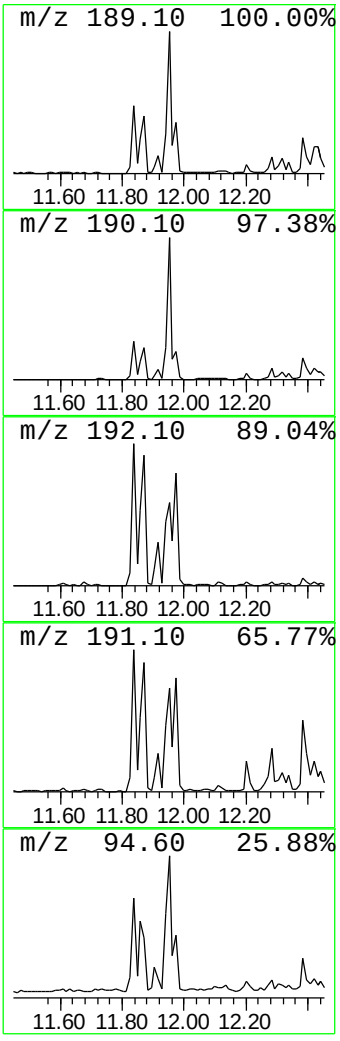
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	40.07 ng	1900800	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42





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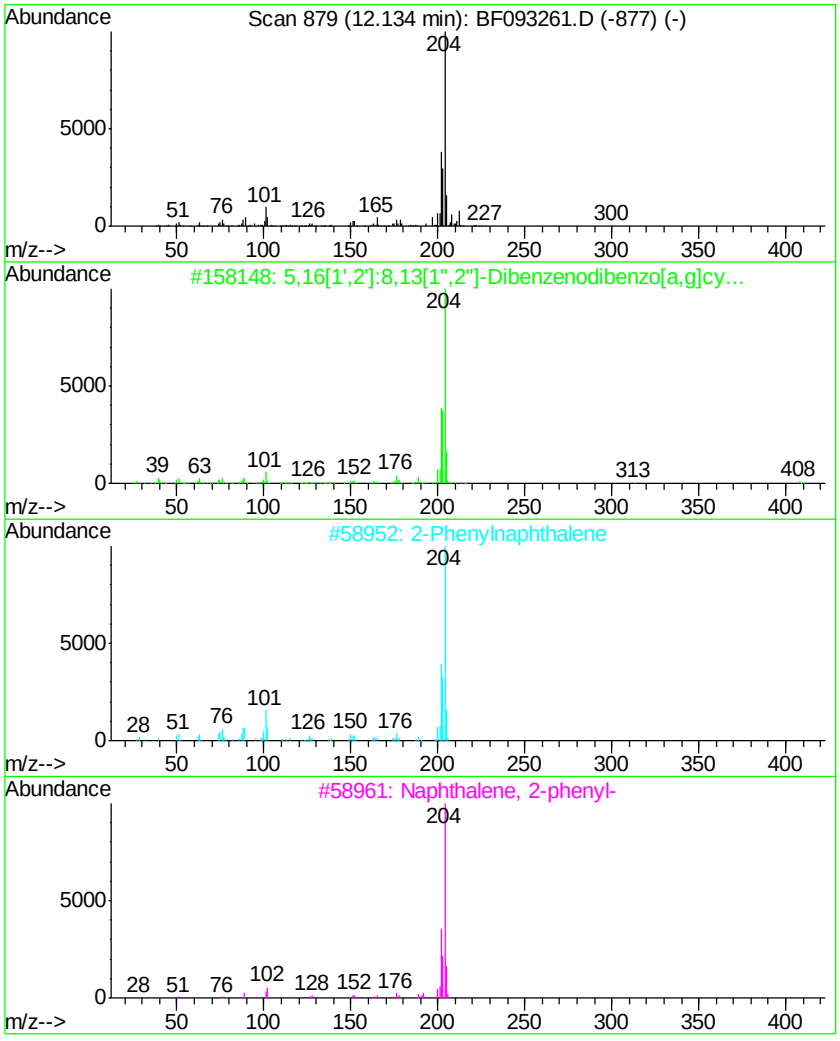
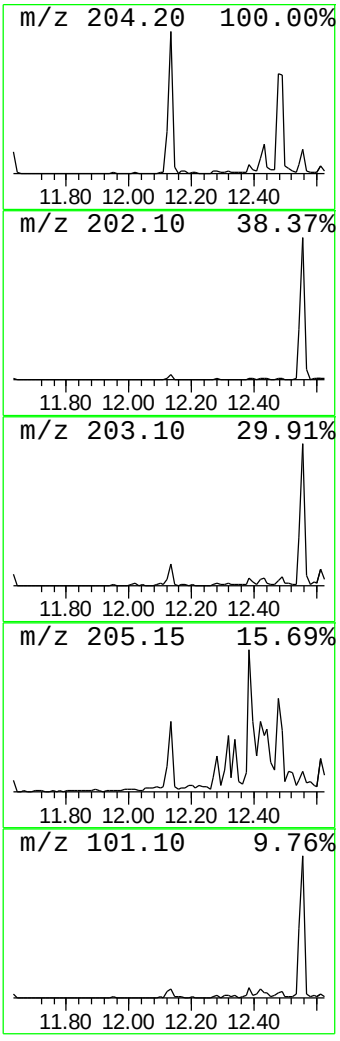
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	9.00 ng	426910	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50





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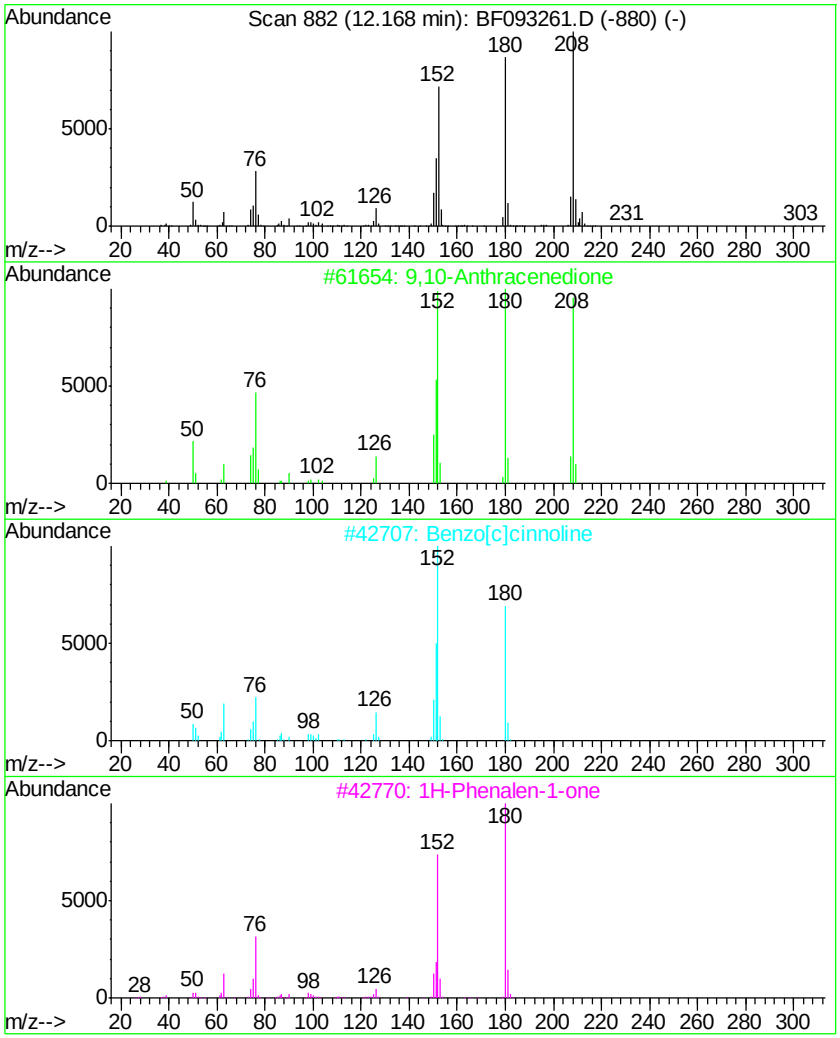
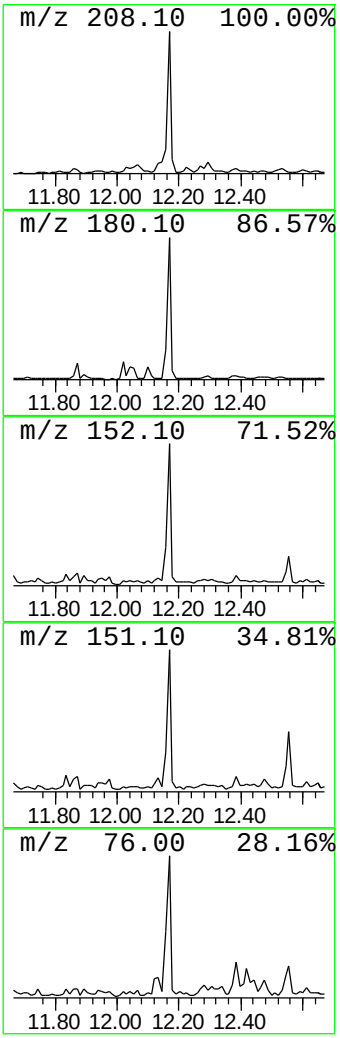
Peak Number 11 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	15.96 ng	756858	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	43





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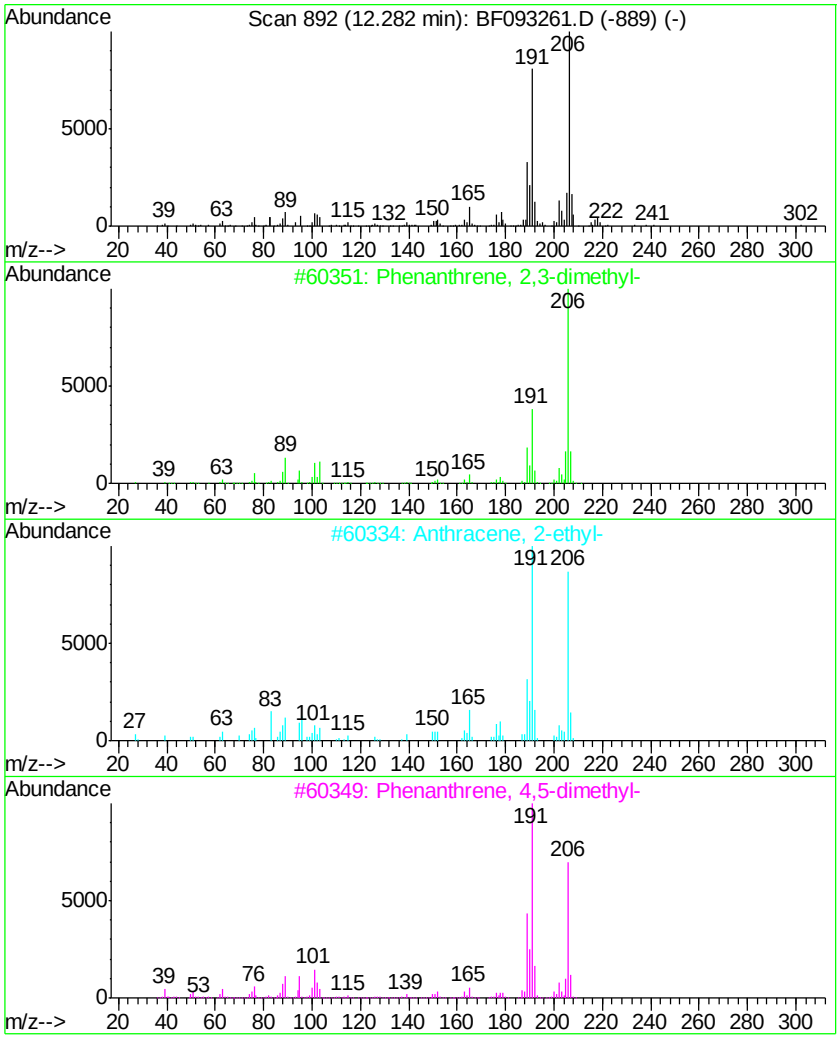
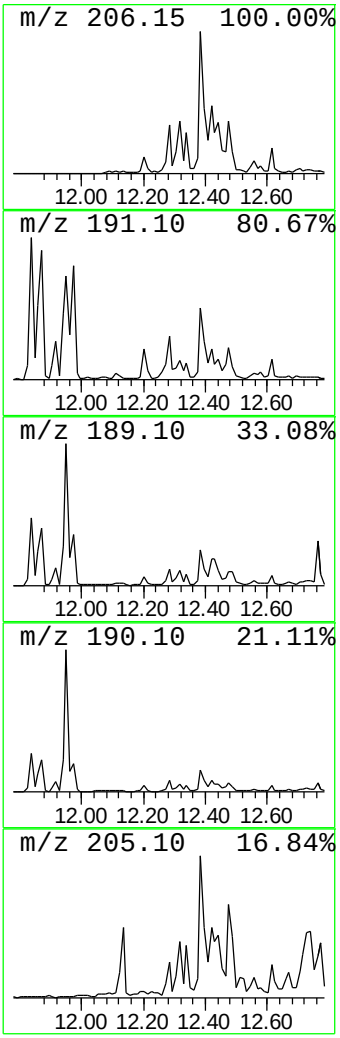
Peak Number 12 Phenanthrene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	8.89 ng	421583	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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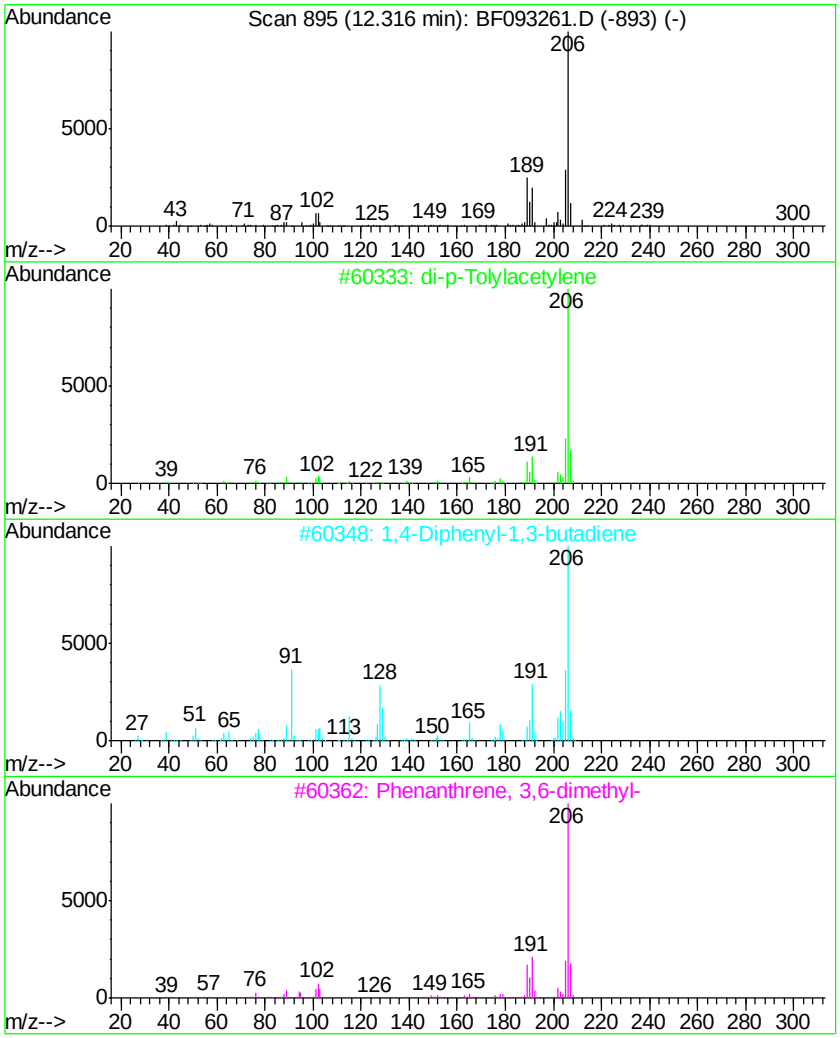
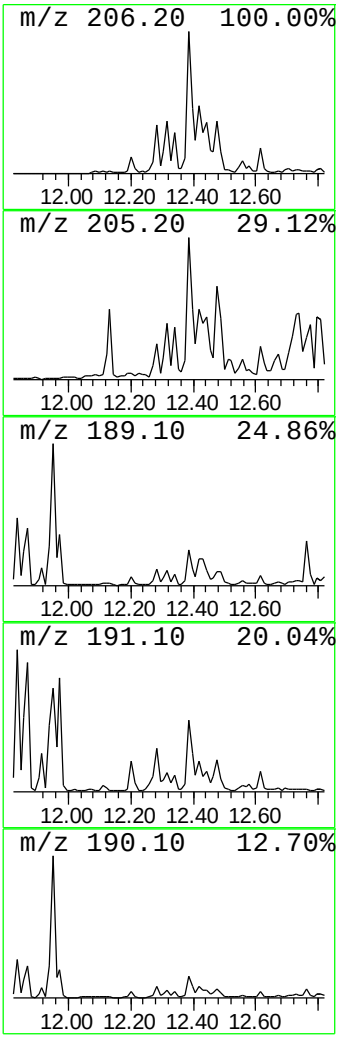
Peak Number 13 di-p-Tolylacetylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	9.34 ng	442822	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	80
2	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	72
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	72
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	50





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Sample : I2017-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

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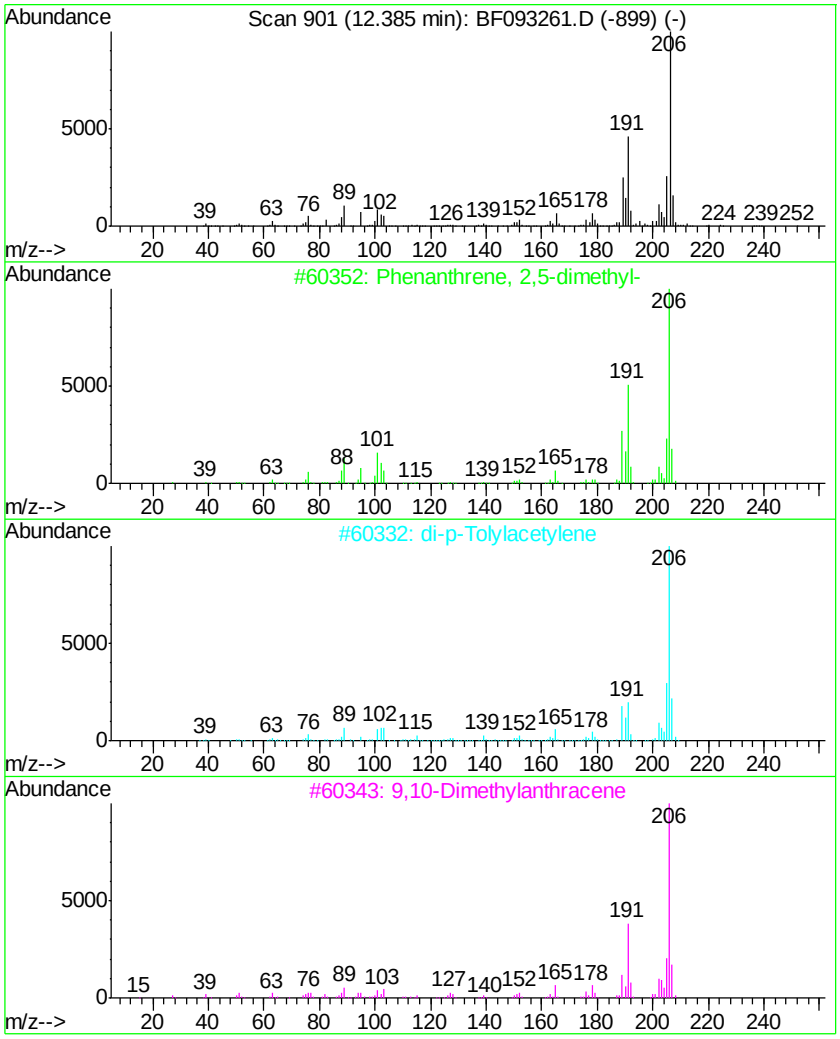
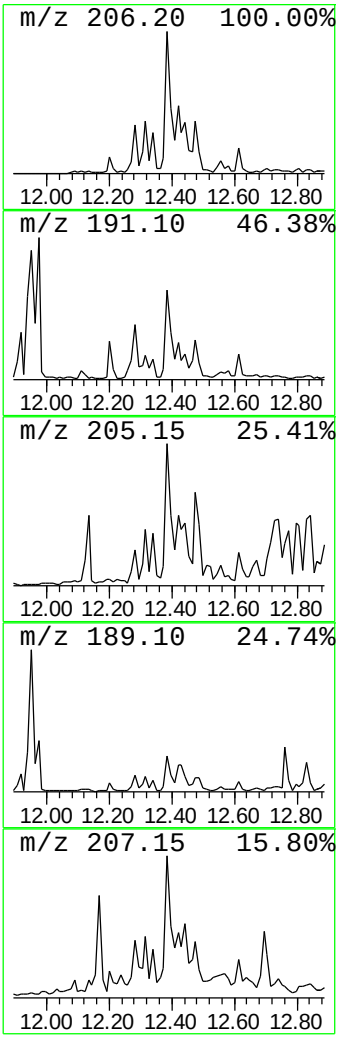
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	19.18 ng	909688	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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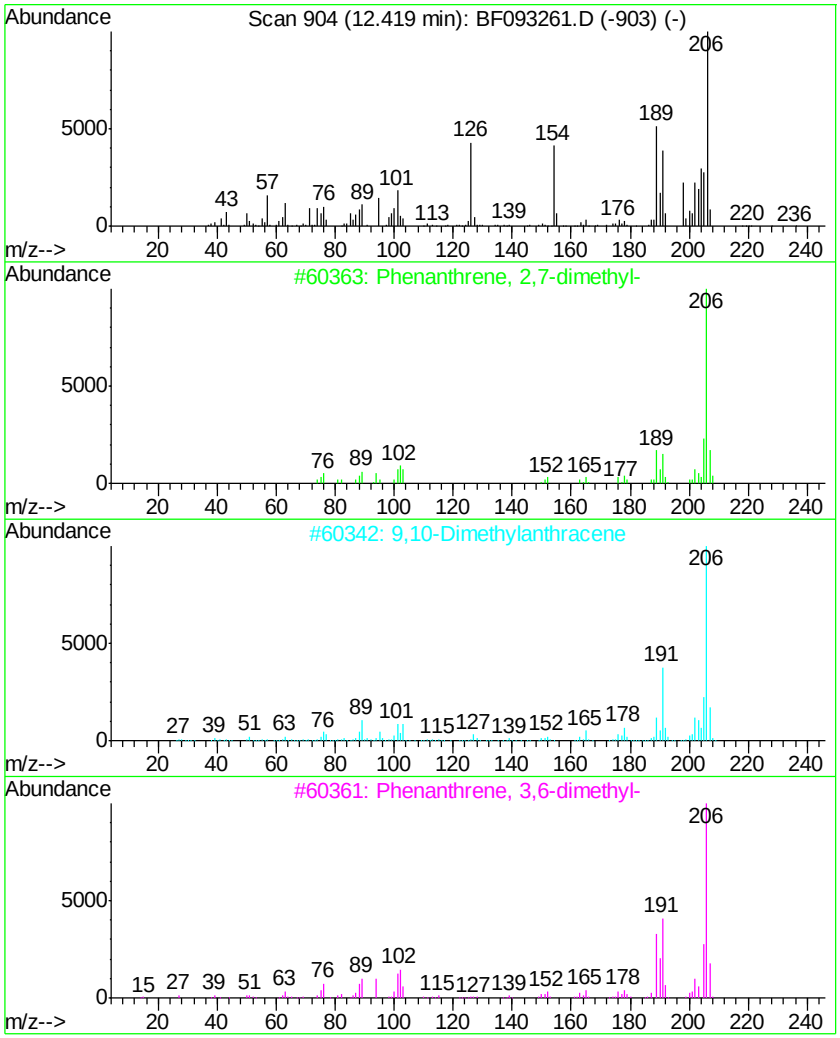
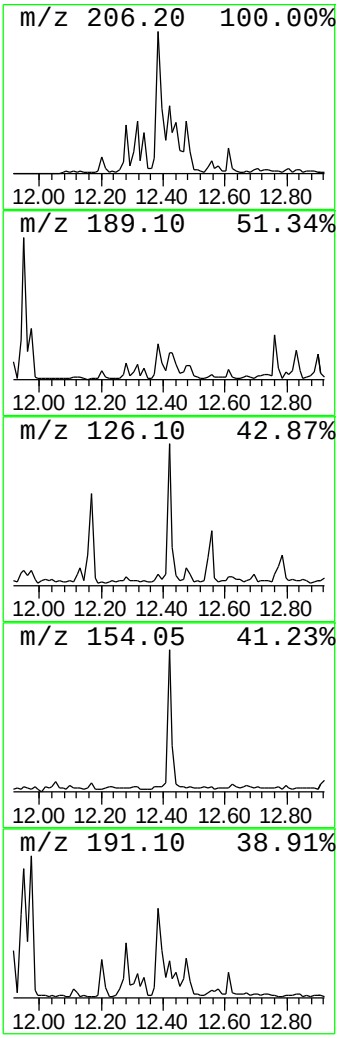
Peak Number 15 Phenanthrene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	10.49 ng	497552	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	41
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	41
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	35





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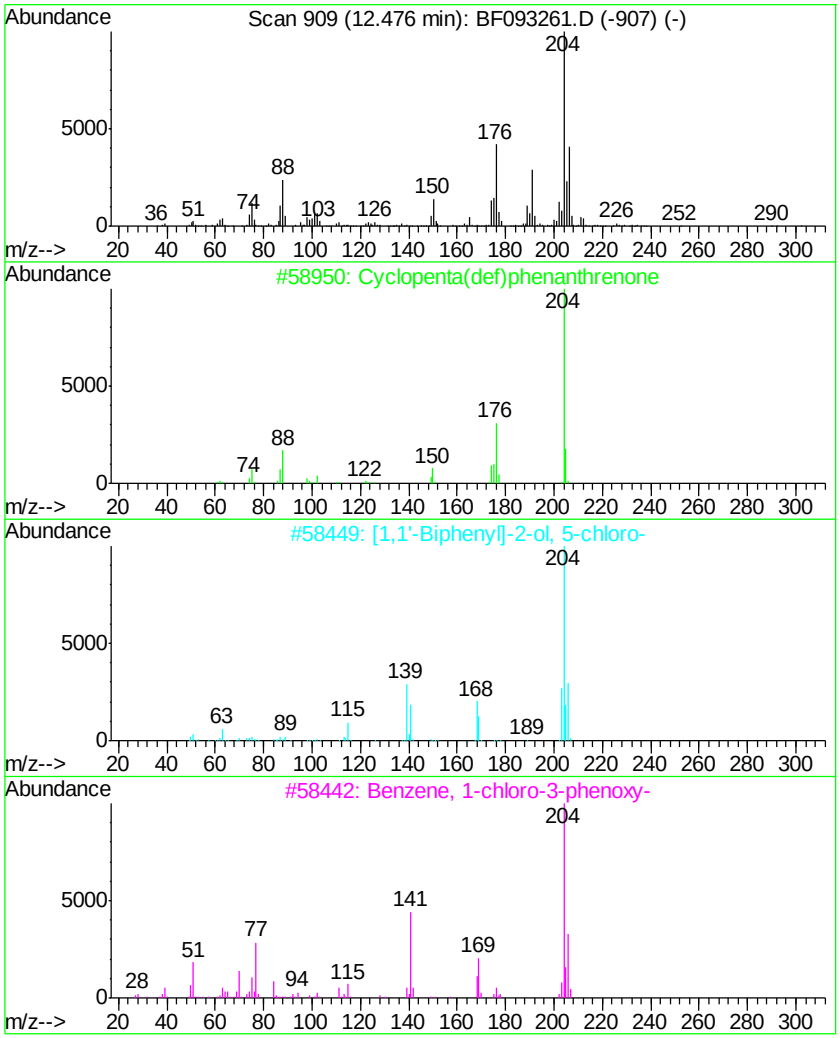
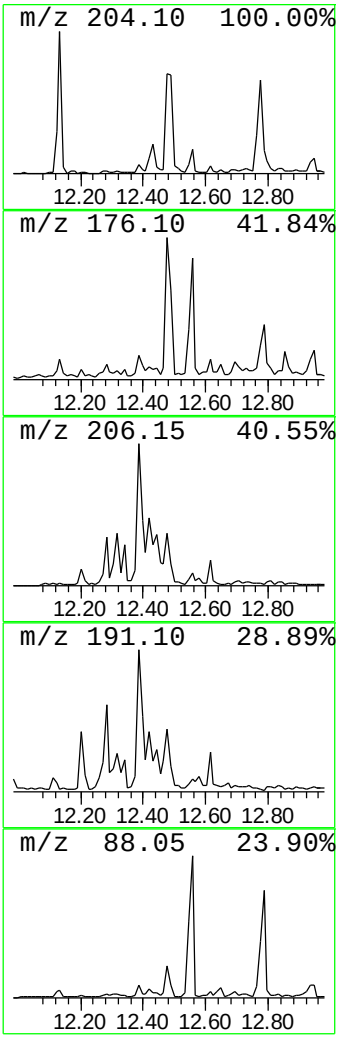
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	13.63 ng	646524	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	38
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38





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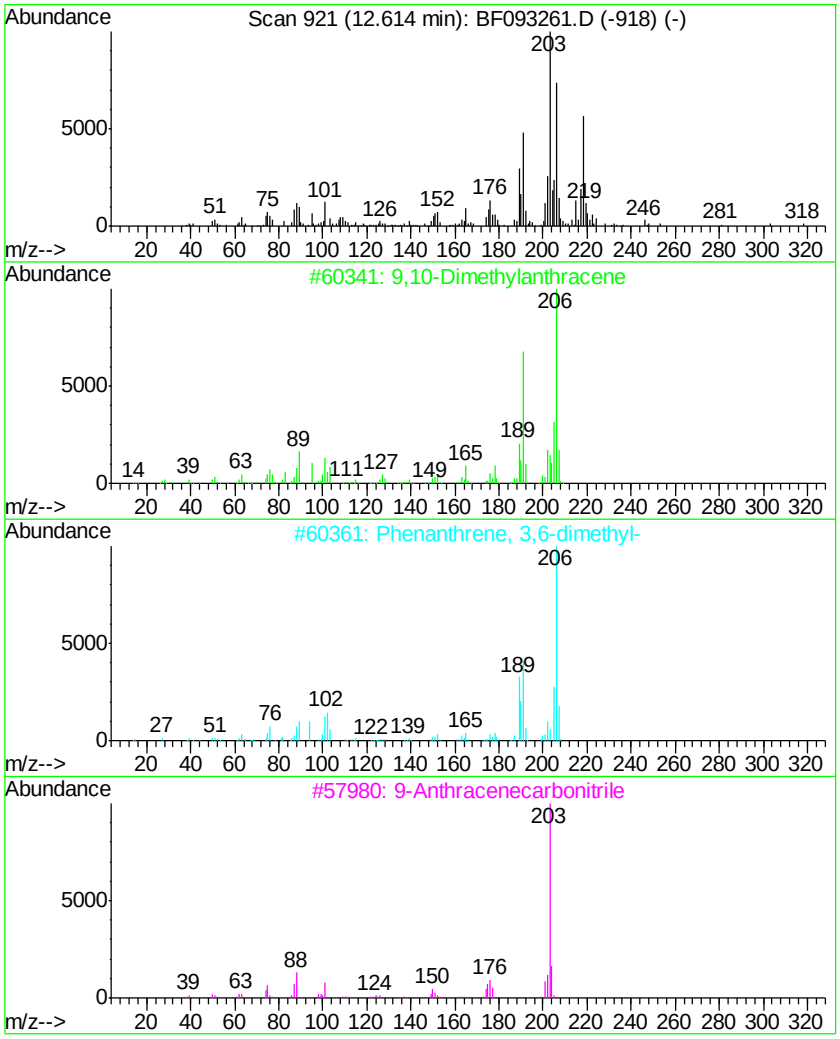
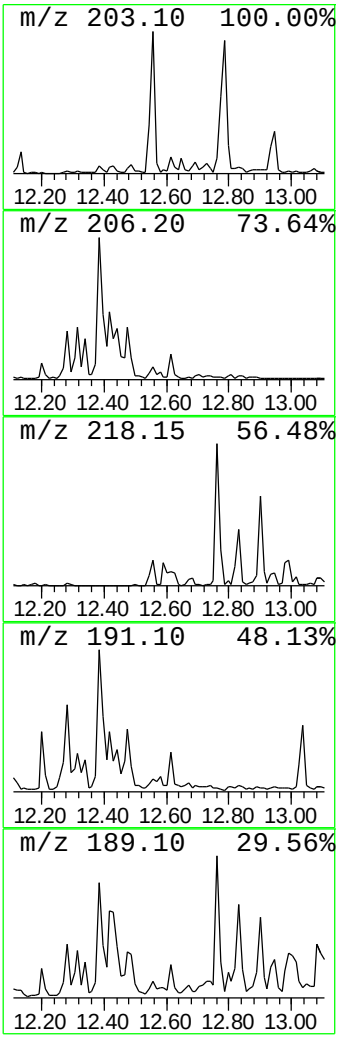
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	7.22 ng	342561	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	60
4	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	53
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	50





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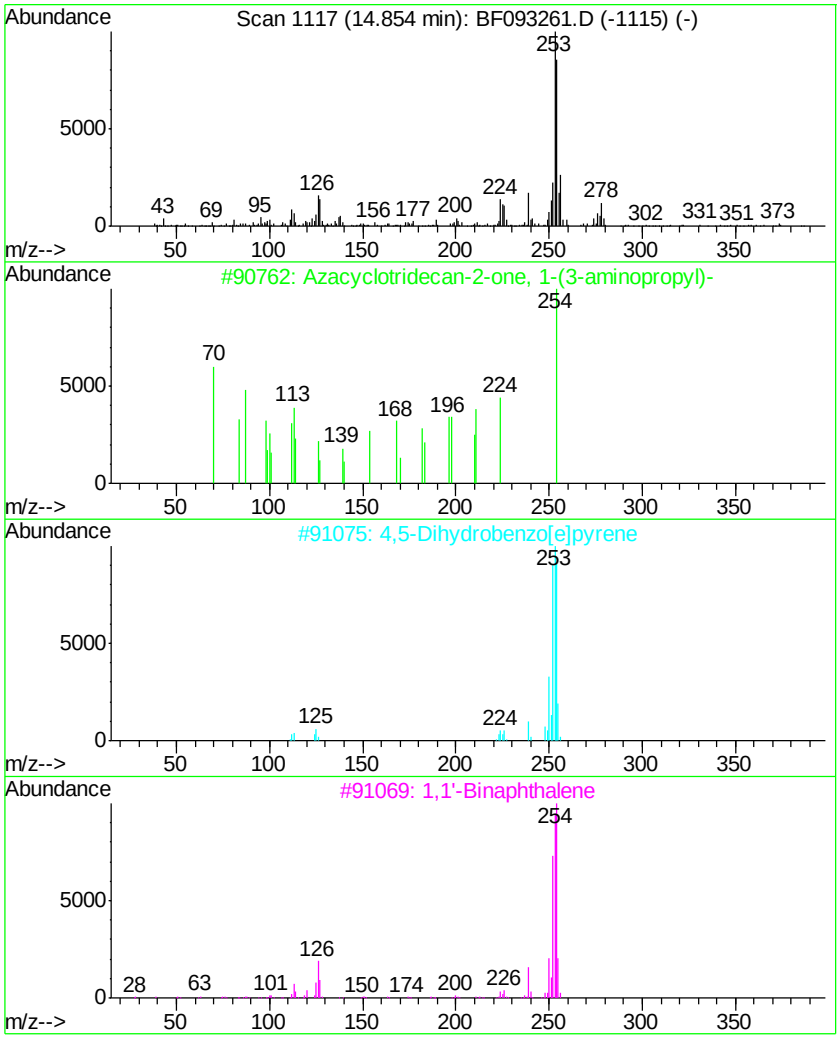
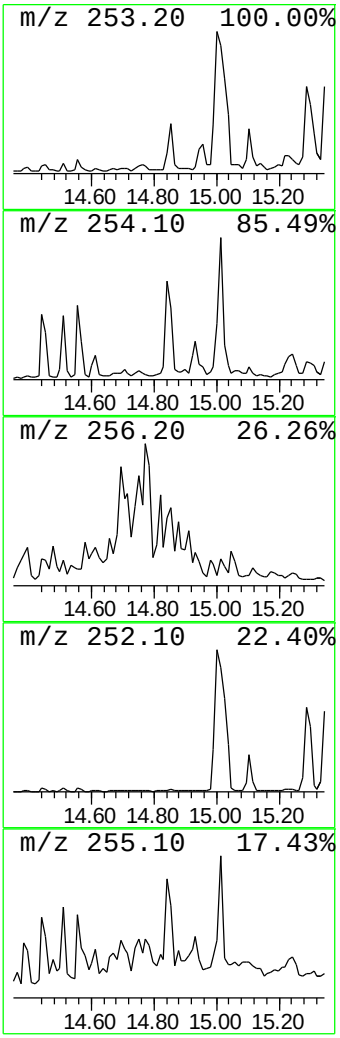
Peak Number 18 Azacyclotridecan-2-one, 1-(... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	9.69 ng	262366	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azacyclotridecan-2-one, 1-(3-ami...	254	C15H30N2O	064414-61-5	93
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	89
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	86
4	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	62
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093261.D
Acq On : 28 Feb 2017 21:07
Operator : SJ/MA
Sample : I2017-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-11-20170227

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hydroxylamine, O-...	4.33	6.2	ng	267134	1	6.81	869420	20.0
2-Pentanone, 4-hy...	4.97	29.6	ng	1287210	1	6.81	869420	20.0
unknown6.58	6.58	63.7	ng	2768380	1	6.81	869420	20.0
unknown10.76	10.76	6.6	ng	314324	4	11.33	948647	20.0
Dibenzothiophene	11.23	7.0	ng	329980	4	11.33	948647	20.0
Phenanthrene, 2-m...	11.84	17.4	ng	824006	4	11.33	948647	20.0
Phenanthrene, 1-m...	11.87	20.7	ng	980251	4	11.33	948647	20.0
4H-Cyclopenta[def...	11.95	40.1	ng	1900800	4	11.33	948647	20.0
5,16[1',2']:8,13[...	12.13	9.0	ng	426910	4	11.33	948647	20.0
9,10-Anthracenedione	12.17	16.0	ng	756858	4	11.33	948647	20.0
Phenanthrene, 2,3...	12.28	8.9	ng	421583	4	11.33	948647	20.0
di-p-Tolylacetylene	12.32	9.3	ng	442822	4	11.33	948647	20.0
Phenanthrene, 2,5...	12.39	19.2	ng	909688	4	11.33	948647	20.0
Phenanthrene, 2,7...	12.42	10.5	ng	497552	4	11.33	948647	20.0
Cyclopenta(def)ph...	12.48	13.6	ng	646524	4	11.33	948647	20.0
9,10-Dimethylanth...	12.61	7.2	ng	342561	4	11.33	948647	20.0
Azacyclotridecan-...	14.85	9.7	ng	262366	6	15.41	541295	20.0