LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
Data File : BF093249.D
Acq On : 28 Feb 2017 15:32
Operator : SJ/MA
Sample : I2017-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-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	3.630	129	135	140	rBV2	41558	109935	3.00%	0.212%
2	3.790	145	149	153	rBV	35831	73543	2.01%	0.142%
3	3.961	158	164	167	rBV	84992	141147	3.85%	0.272%
4	4.327	193	196	203	rVV2	169418	277470	7.57%	0.535%
5	4.784	231	236	238	rVB	41486	56582	1.54%	0.109%
6	4.887	242	245	248	rVB2	90920	136644	3.73%	0.263%
7	4.967	249	252	259	rVB	925984	1372175	37.45%	2.643%
8	5.162	267	269	272	rBV	62428	70593	1.93%	0.136%
9	5.356	282	286	288	rBV	47838	65605	1.79%	0.126%
10	5.413	288	291	293	rBV	2512427	3223292	87.98%	6.209%
11	5.687	313	315	318	rBV	61662	60207	1.64%	0.116%
12	6.042	344	346	349	rVB2	43339	50011	1.37%	0.096%
13	6.465	380	383	385	rBV	3205988	3663574	100.00%	7.057%
14	6.579	391	393	396	rVV	2969563	2955262	80.67%	5.693%
15	6.647	396	399	401	rVB	51776	80211	2.19%	0.155%
16	6.807	411	413	416	rBV	1005254	876396	23.92%	1.688%
17	6.967	424	427	429	rBV	2603069	2474921	67.55%	4.768%
18	7.379	460	463	465	rBV	2319236	2098315	57.28%	4.042%
19	8.088	523	525	528	rBV	795749	1169685	31.93%	2.253%
20	9.173	617	620	622	rBV	2308681	3260623	89.00%	6.281%
21	9.562	652	654	657	rVB	363239	313155	8.55%	0.603%
22	9.711	665	667	669	rBV	132658	178259	4.87%	0.343%
23	9.848	676	679	680	rVV	1139964	1259022	34.37%	2.425%
24	9.871	680	681	684	rVB	66799	76566	2.09%	0.147%
25	10.053	694	697	699	rBV2	57507	83212	2.27%	0.160%
26	10.271	712	716	717	rBV2	61839	106983	2.92%	0.206%
27	10.385	725	726	729	rVB	93488	108507	2.96%	0.209%
28	10.453	729	732	733	rBV	35552	53373	1.46%	0.103%
29	10.636	745	748	750	rBV	1886722	1848198	50.45%	3.560%
30	10.751	756	758	762	rVB2	82894	154267	4.21%	0.297%
31	10.934	771	774	776	rVV2	50414	100341	2.74%	0.193%
32	11.025	778	782	783	rVV4	25259	59272	1.62%	0.114%
33	11.082	783	787	790	rVV4	44210	131650	3.59%	0.254%
34	11.139	790	792	794	rVV	144690	150292	4.10%	0.290%

LSC Area Percent Report

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Operator : SJ/MA
Sample : I2017-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-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

35	11.185	794	796	798	rVV2	86651	162963	4.45%	0.314%
36	11.219	798	799	803	rVB	136833	154542	4.22%	0.298%
37	11.356	809	811	813	rVB	1463840	1567235	42.78%	3.019%
38	11.402	813	815	817	rVB	310390	268205	7.32%	0.517%
39	11.436	817	818	821	rVB3	42324	50782	1.39%	0.098%
40	11.562	826	829	832	rBV	168057	205288	5.60%	0.395%
41	11.619	832	834	835	rVB	106547	79376	2.17%	0.153%
42	11.654	835	837	840	rVB2	77972	127488	3.48%	0.246%
43	11.745	842	845	847	rVB2	50739	88620	2.42%	0.171%
44	11.791	847	849	850	rBV	38288	58585	1.60%	0.113%
45	11.825	850	852	854	rBV	355410	452787	12.36%	0.872%
46	11.859	854	855	857	rVB	489087	347222	9.48%	0.669%
47	11.905	857	859	860	rBV2	125787	125160	3.42%	0.241%
48	11.939	860	862	866	rVB2	501290	791433	21.60%	1.525%
49	12.019	866	869	872	rBV3	43123	113794	3.11%	0.219%
50	12.122	876	878	879	rBV	203072	164387	4.49%	0.317%
51	12.156	879	881	883	rVB	292264	277105	7.56%	0.534%
52	12.202	883	885	888	rBV3	30097	51611	1.41%	0.099%
53	12.271	888	891	893	rBV3	123741	183873	5.02%	0.354%
54	12.305	893	894	895	rVB	100577	68946	1.88%	0.133%
55	12.374	898	900	902	rBV	243498	360147	9.83%	0.694%
56	12.408	902	903	907	rVB2	138425	215926	5.89%	0.416%
57	12.465	907	908	910	rBV2	199375	222905	6.08%	0.429%
58	12.545	912	915	917	rVB	1936669	1941251	52.99%	3.740%
59	12.602	917	920	922	rBV2	88762	154843	4.23%	0.298%
60	12.637	922	923	924	rVB	99219	68015	1.86%	0.131%
61	12.682	924	927	929	rBV2	105966	179597	4.90%	0.346%
62	12.774	932	935	937	rBV	1584572	1956460	53.40%	3.769%
63	12.819	937	939	941	rVV2	89654	107777	2.94%	0.208%
64	12.911	943	947	952	rBV	2446504	2539898	69.33%	4.893%
65	12.991	952	954	956	rBV2	182518	270903	7.39%	0.522%
66	13.094	960	963	965	rVB2	184427	376658	10.28%	0.726%
67	13.139	965	967	968	rBV2	46924	71540	1.95%	0.138%
68	13.162	968	969	970	rVV	77800	67474	1.84%	0.130%
69	13.197	970	972	976	rVV3	212702	368372	10.05%	0.710%
70	13.288	979	980	982	rVV	117503	154008	4.20%	0.297%
71	13.322	982	983	987	rVB	175930	174337	4.76%	0.336%

LSC Area Percent Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-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	13.482	995	997	999	rBV3	102951	137085	3.74%	0.264%
73	13.608	1004	1008	1010	rBV	284612	301580	8.23%	0.581%
74	13.711	1015	1017	1019	rBV	177780	296999	8.11%	0.572%
75	13.768	1021	1022	1024	rVV2	110819	154678	4.22%	0.298%
76	13.814	1024	1026	1030	rVB2	293155	392199	10.71%	0.756%
77	13.882	1030	1032	1035	rBV2	46496	81837	2.23%	0.158%
78	13.962	1035	1039	1041	rBV2	1209097	2152923	58.77%	4.147%
79	13.997	1041	1042	1044	rVV	730900	560016	15.29%	1.079%
80	14.065	1046	1048	1050	rBV2	42344	95121	2.60%	0.183%
81	14.122	1050	1053	1058	rBV5	79616	222871	6.08%	0.429%
82	14.317	1068	1070	1071	rBV	61039	54305	1.48%	0.105%
83	14.351	1071	1073	1075	rVV	193496	245287	6.70%	0.473%
84	14.385	1075	1076	1078	rVV	123853	139360	3.80%	0.268%
85	14.431	1078	1080	1083	rVV2	85519	183351	5.00%	0.353%
86	14.477	1083	1084	1087	rVV2	113357	165172	4.51%	0.318%
87	14.545	1088	1090	1093	rVB4	58011	77486	2.12%	0.149%
88	14.797	1110	1112	1114	rVB2	60343	65059	1.78%	0.125%
89	14.831	1114	1115	1119	rVB2	82077	100145	2.73%	0.193%
90	14.991	1126	1129	1133	rBV	708662	1303487	35.58%	2.511%
91	15.083	1136	1137	1139	rBV	99125	140484	3.83%	0.271%
92	15.277	1151	1154	1157	rVB	358619	505607	13.80%	0.974%
93	15.334	1157	1159	1161	rVV	573634	663611	18.11%	1.278%
94	15.391	1161	1164	1171	rVB2	696098	1065196	29.08%	2.052%
95	15.803	1197	1200	1202	rBV2	48694	104373	2.85%	0.201%
96	16.420	1252	1254	1256	rBV	41133	73551	2.01%	0.142%
97	16.774	1282	1285	1289	rBV	250675	536242	14.64%	1.033%
98	16.934	1297	1299	1302	rBV	45119	99439	2.71%	0.192%
99	17.197	1319	1322	1328	rVB	205728	425271	11.61%	0.819%
100	17.426	1340	1342	1350	rVB3	61676	159488	4.35%	0.307%

Sum of corrected areas: 51911024

Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
Data File : BF093249.D
Acq On : 28 Feb 2017 15:32
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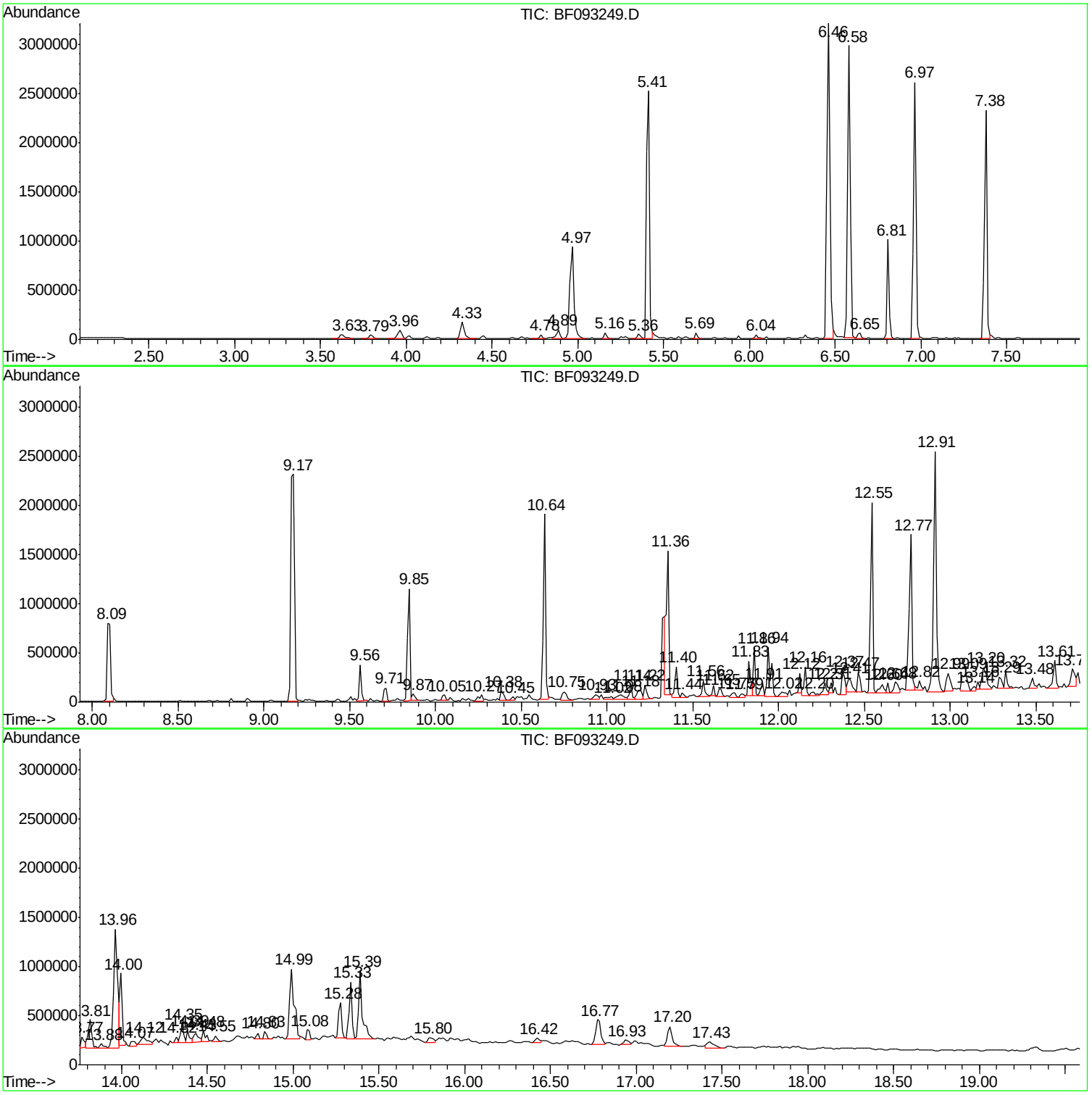
Sample : I2017-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK3-WC-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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Instrument : BNA_F
ClientSampleId : TK3-WC-20170227

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

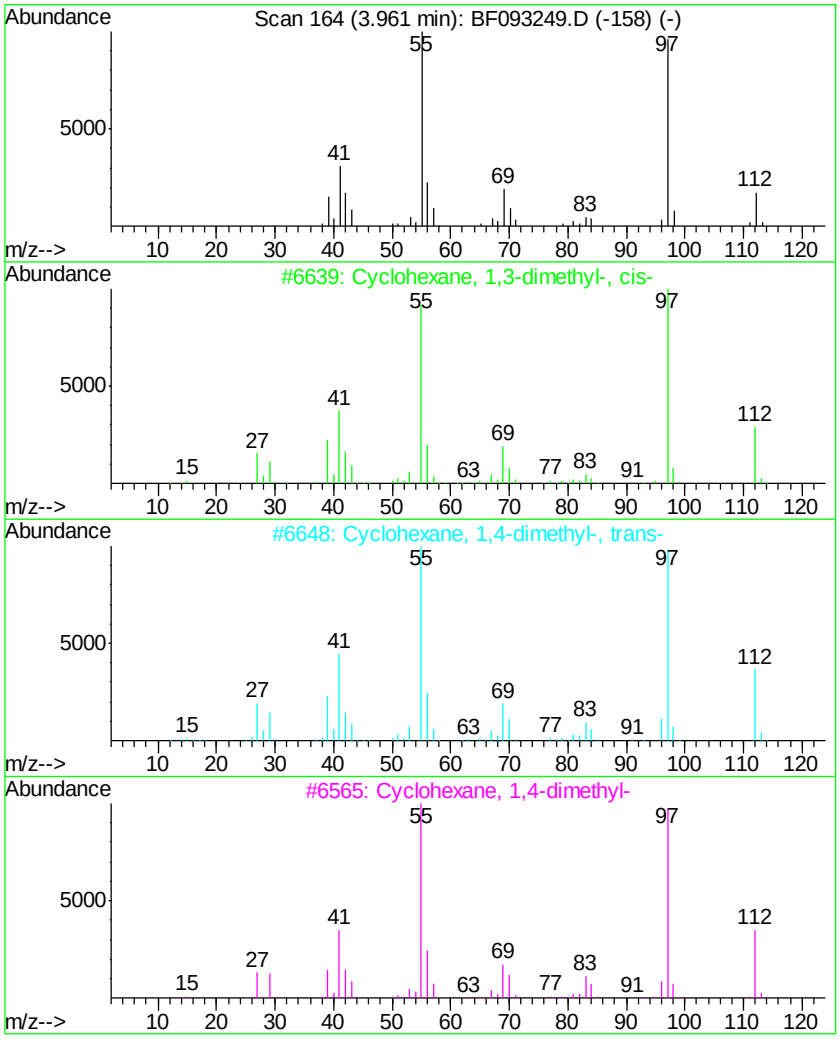
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

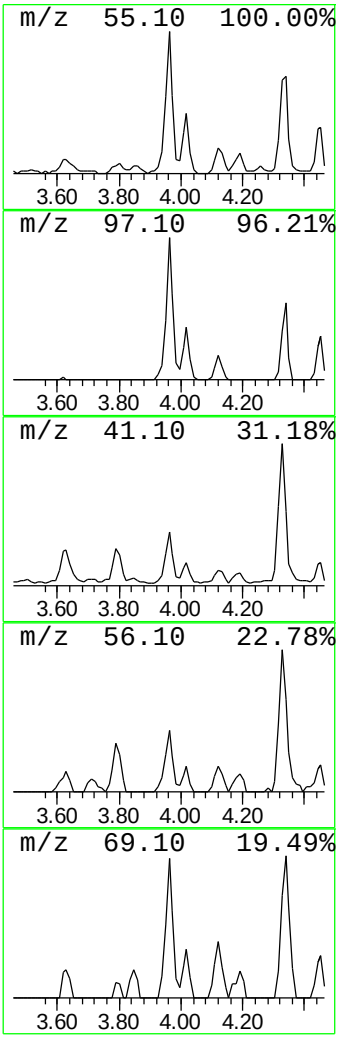
****

Peak Number 1 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	3.22 ng	141147	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	80
4	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	58
5	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	58





Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
Data File : BF093249.D
Acq On : 28 Feb 2017 15:32
Operator : SJ/MA
Sample : I2017-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-20170227

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

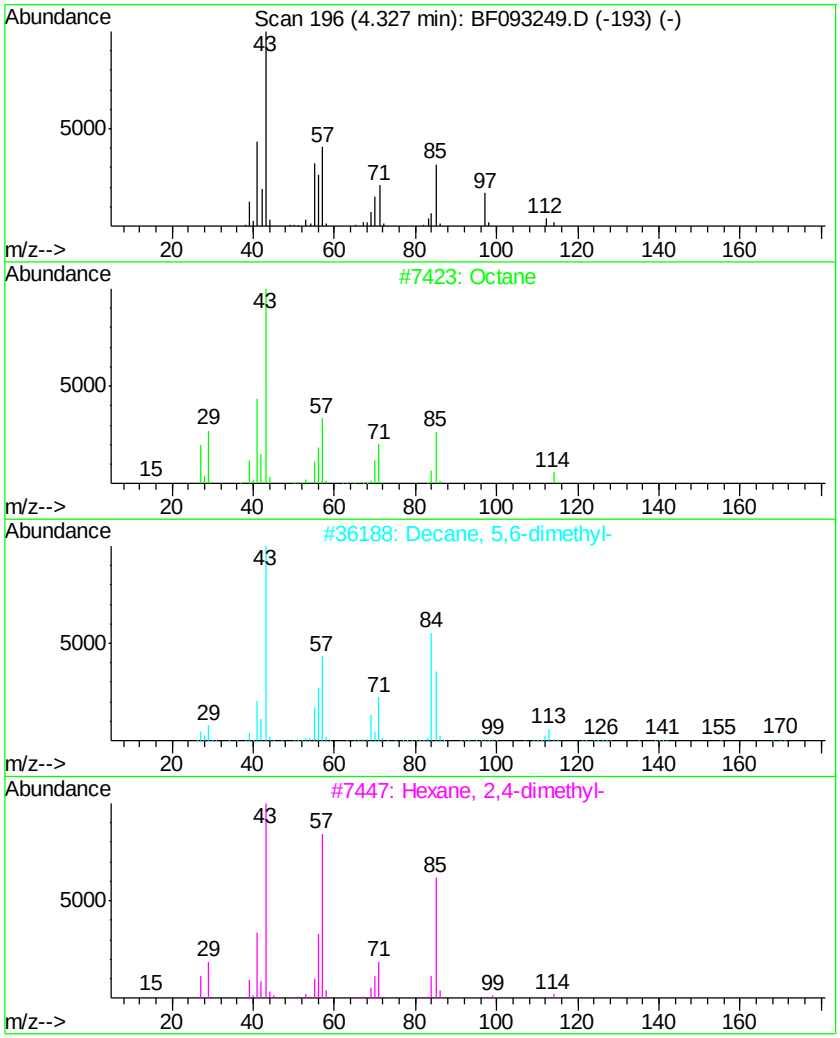
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

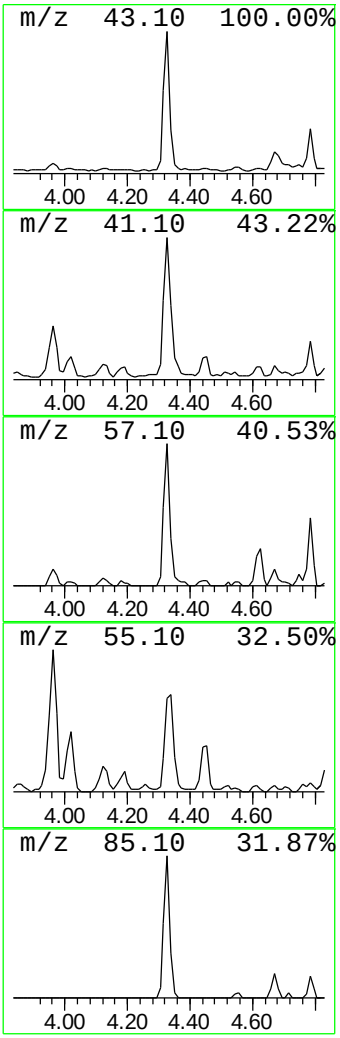
****

Peak Number 2 Octane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.33	6.33 ng	277470	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	72
2	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	50
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	47
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38





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Instrument : BNA_F
ClientSampleId : TK3-WC-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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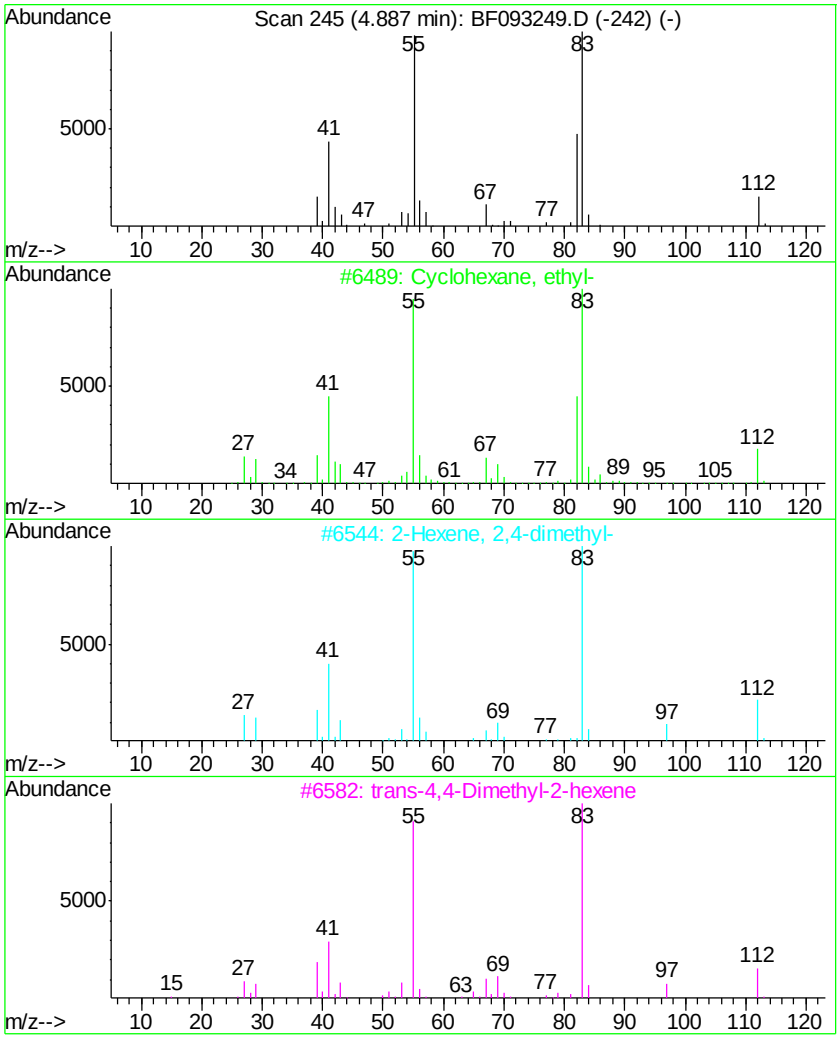
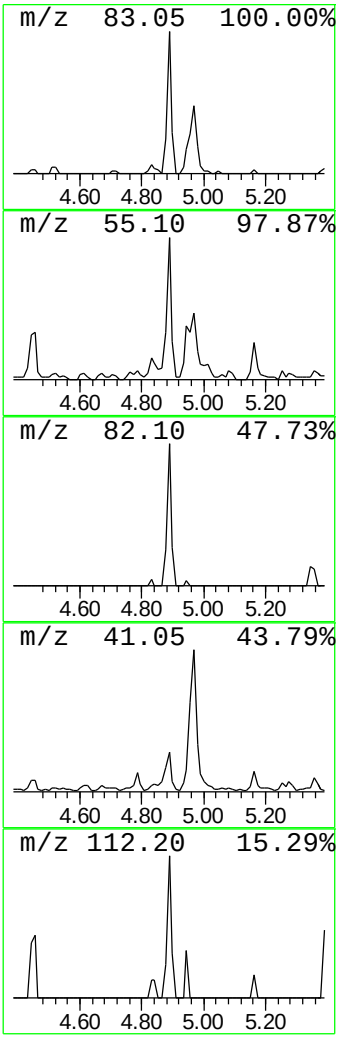
Peak Number 3 Cyclohexane, ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	3.12 ng	136644	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	62
3	trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	58
4	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	53
5	3,4-Dimethyl-2-hexene (c,t)	112	C8H16	002213-37-8	52





Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
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Instrument : BNA_F
ClientSampleId : TK3-WC-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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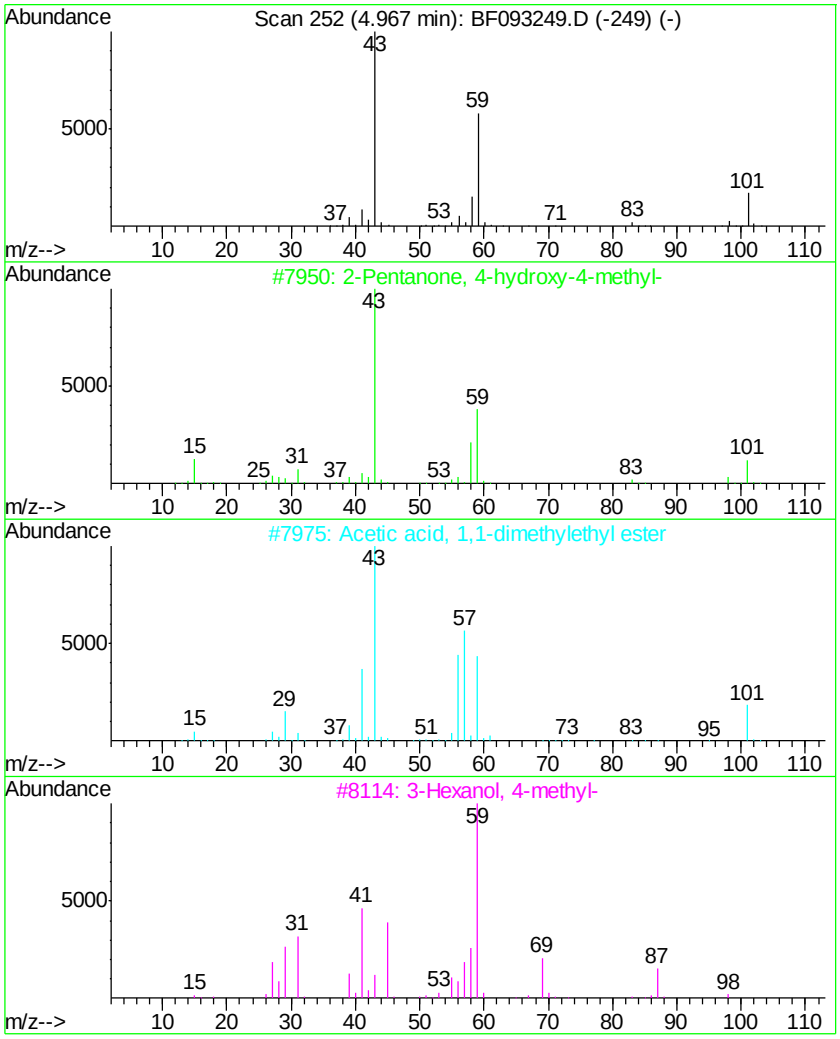
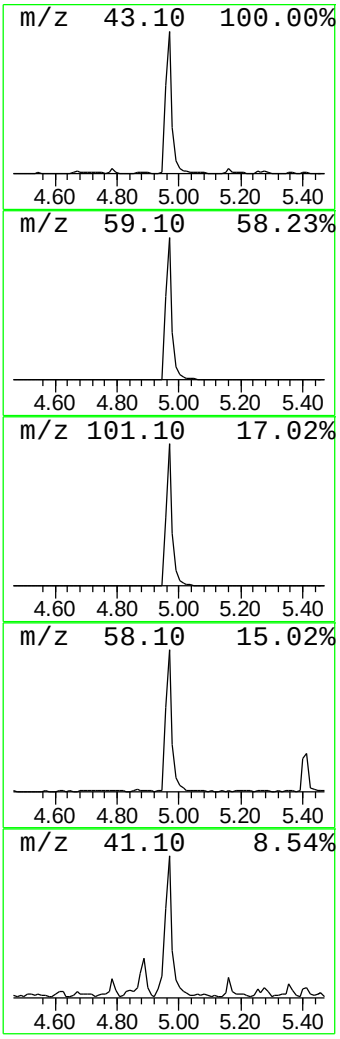
Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	31.31 ng	1372180	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	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Data File : BF093249.D
Acq On : 28 Feb 2017 15:32
Operator : SJ/MA
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-20170227

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

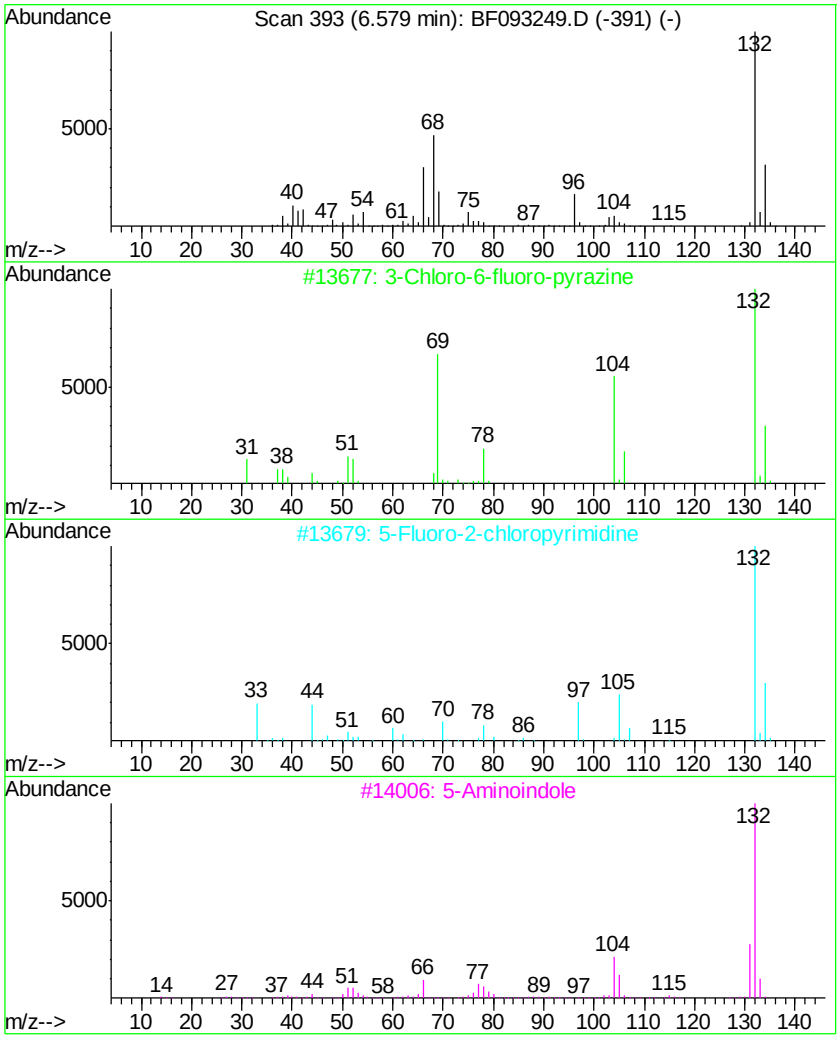
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

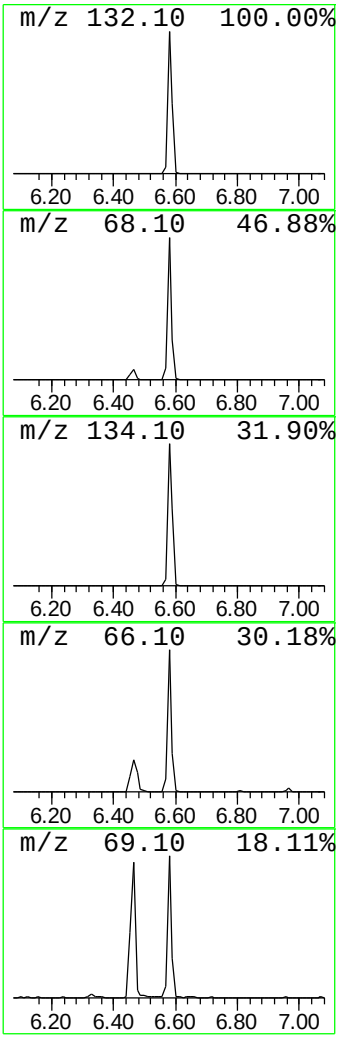
****

Peak Number 5 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	67.44 ng	2955260	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-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
Data File : BF093249.D
Acq On : 28 Feb 2017 15:32
Operator : SJ/MA
Sample : I2017-01
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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-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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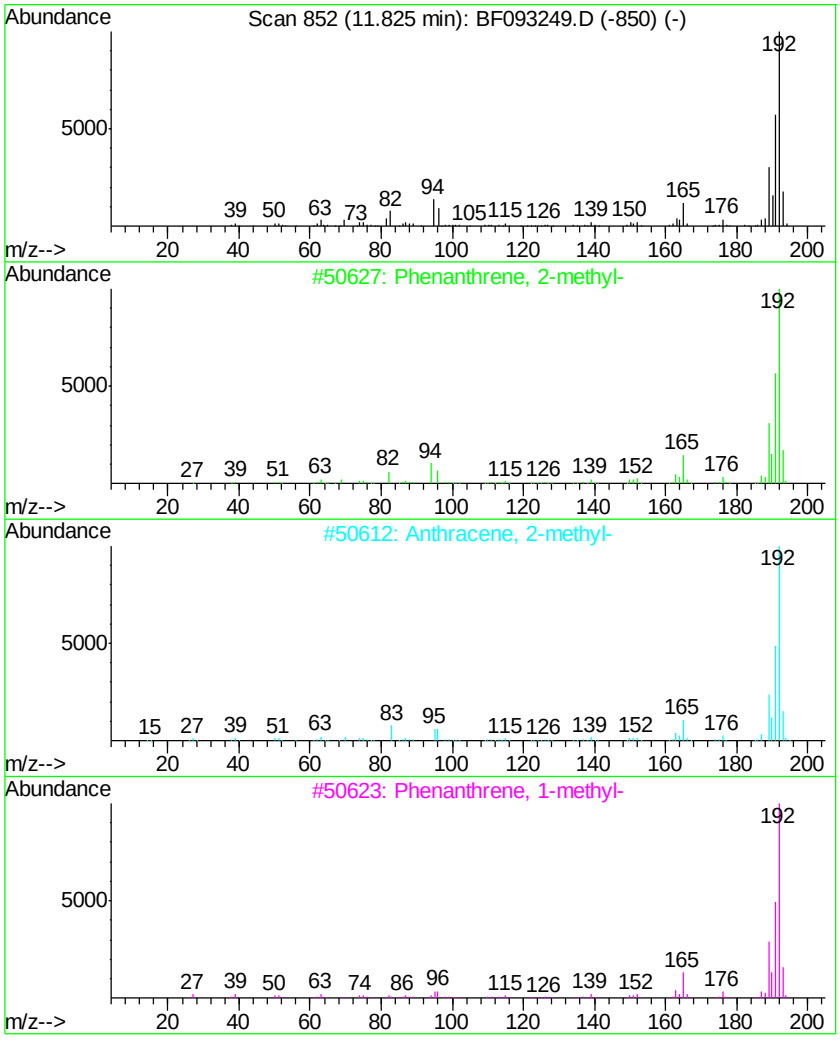
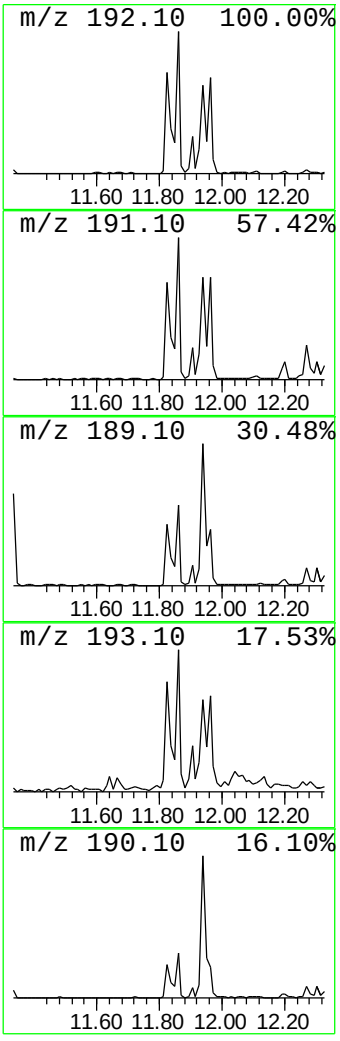
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	5.78 ng	452787	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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Acq On : 28 Feb 2017 15:32
Operator : SJ/MA
Sample : I2017-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-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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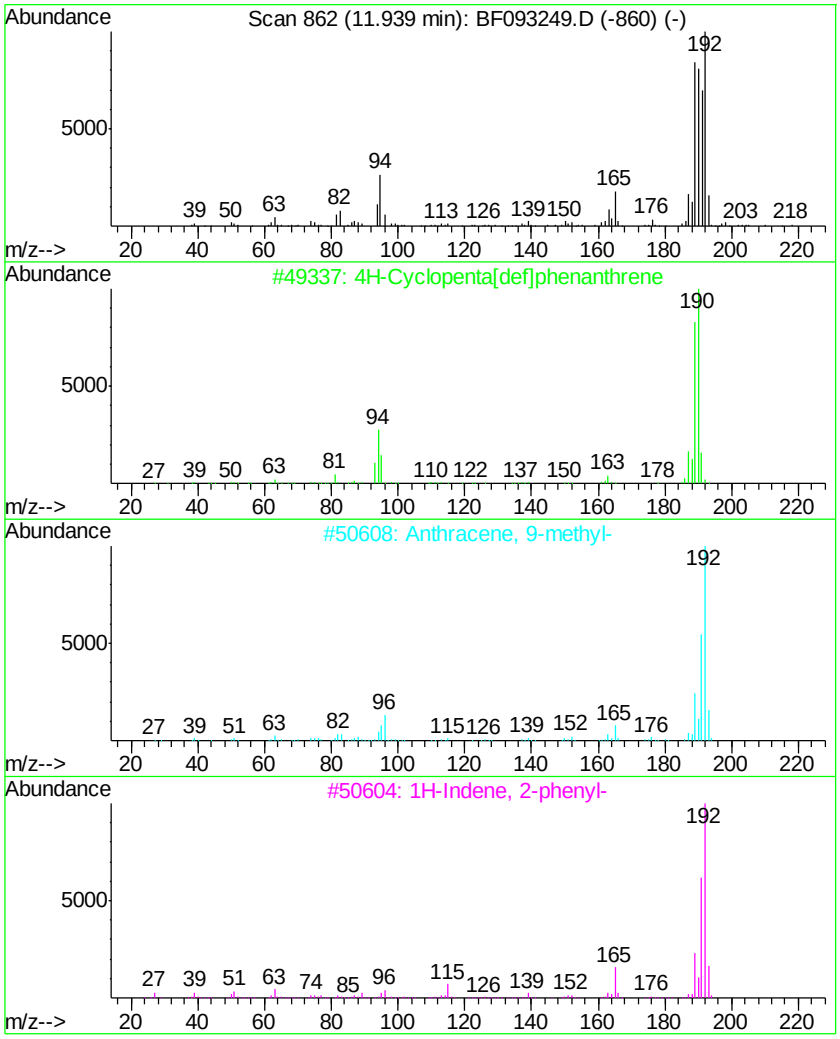
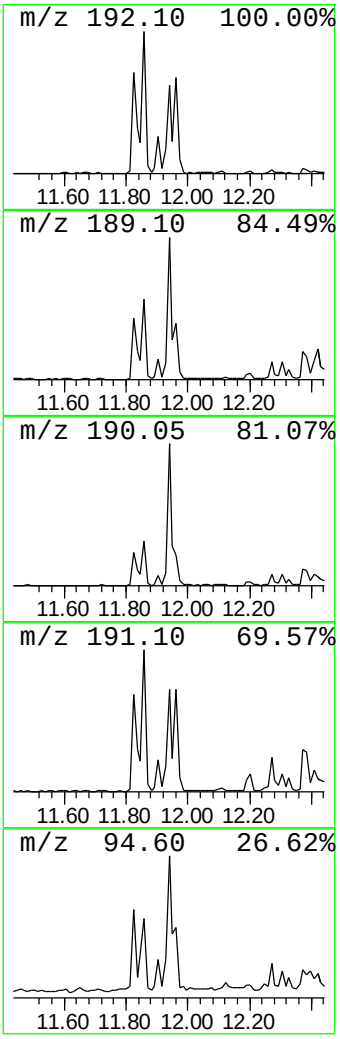
Peak Number 9 unknown11.94 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	10.10 ng	791433	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	46
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	41
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





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Sample : I2017-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-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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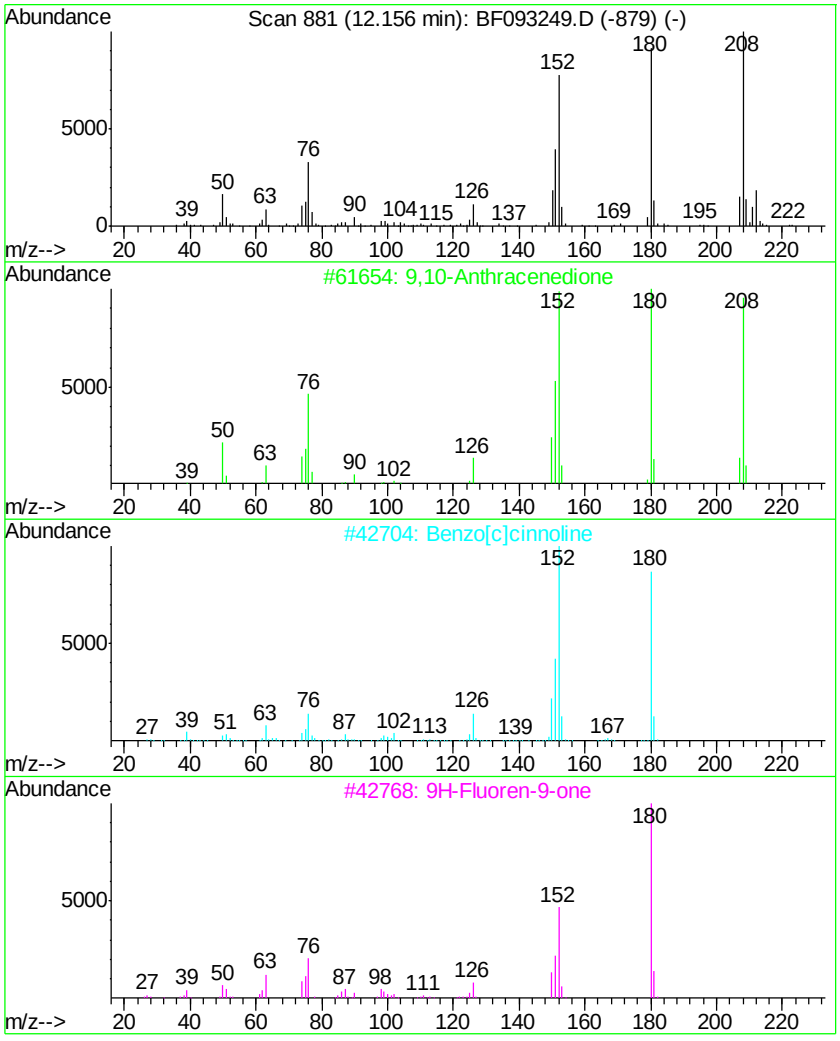
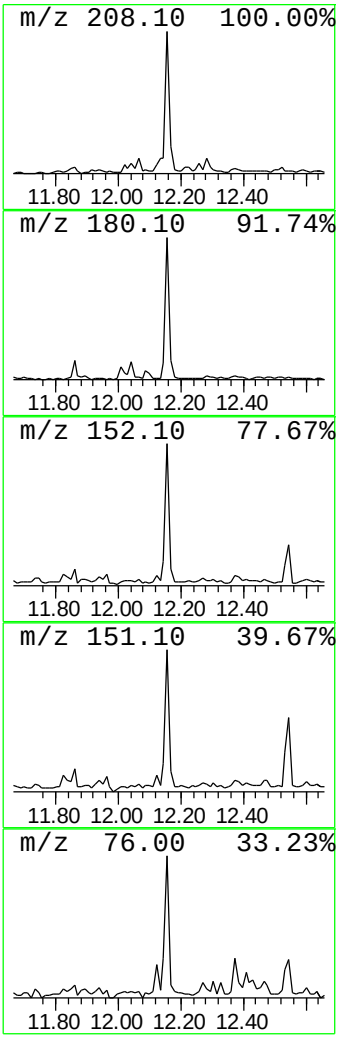
Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	3.54 ng	277105	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	78
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





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ALS Vial : 12 Sample Multiplier: 1

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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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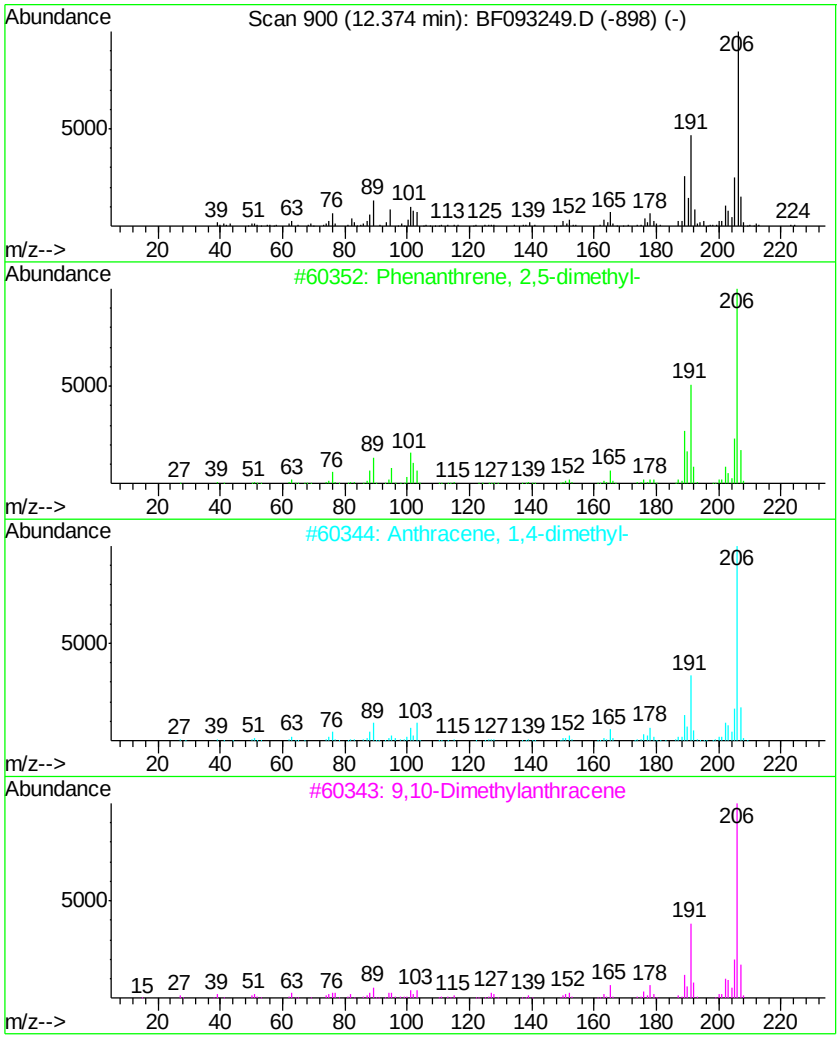
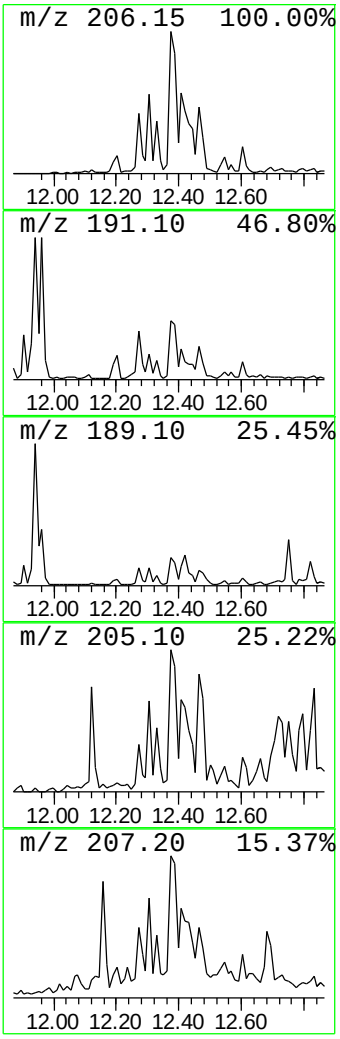
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	4.60 ng	360147	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	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-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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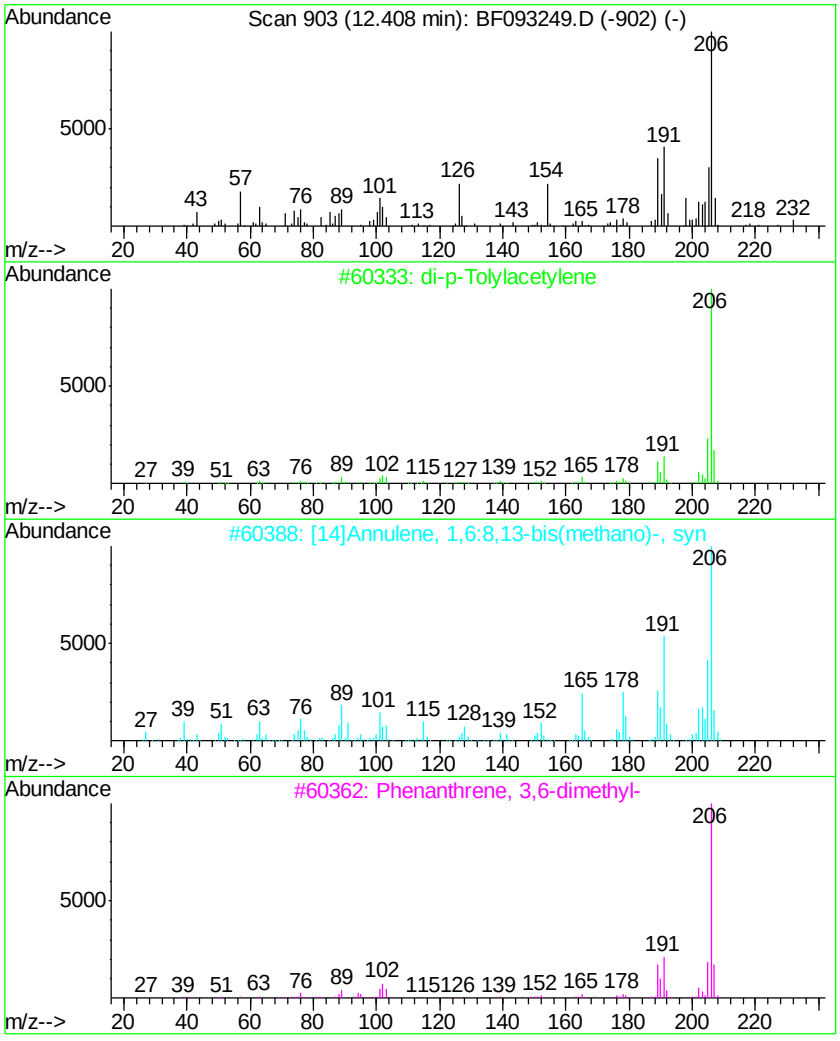
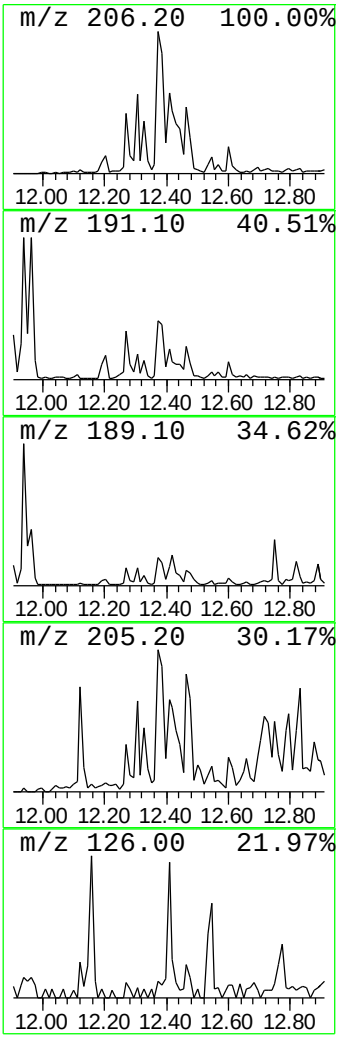
Peak Number 12 di-p-Tolylacetylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	2.76 ng	215926	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	86
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	64
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	62





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ALS Vial : 12 Sample Multiplier: 1

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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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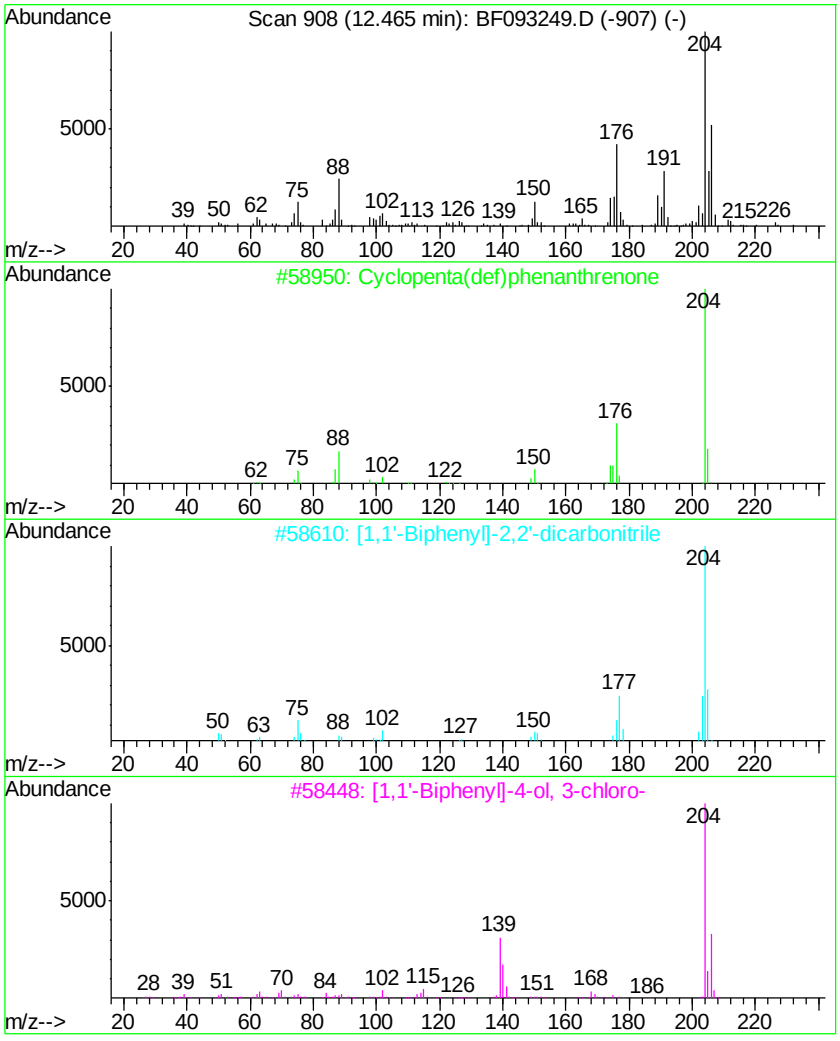
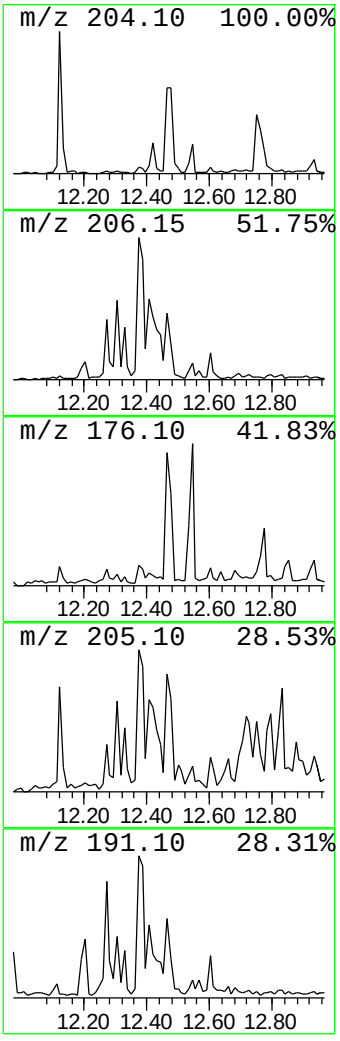
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.84 ng	222905	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	45
3	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	43
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	30





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-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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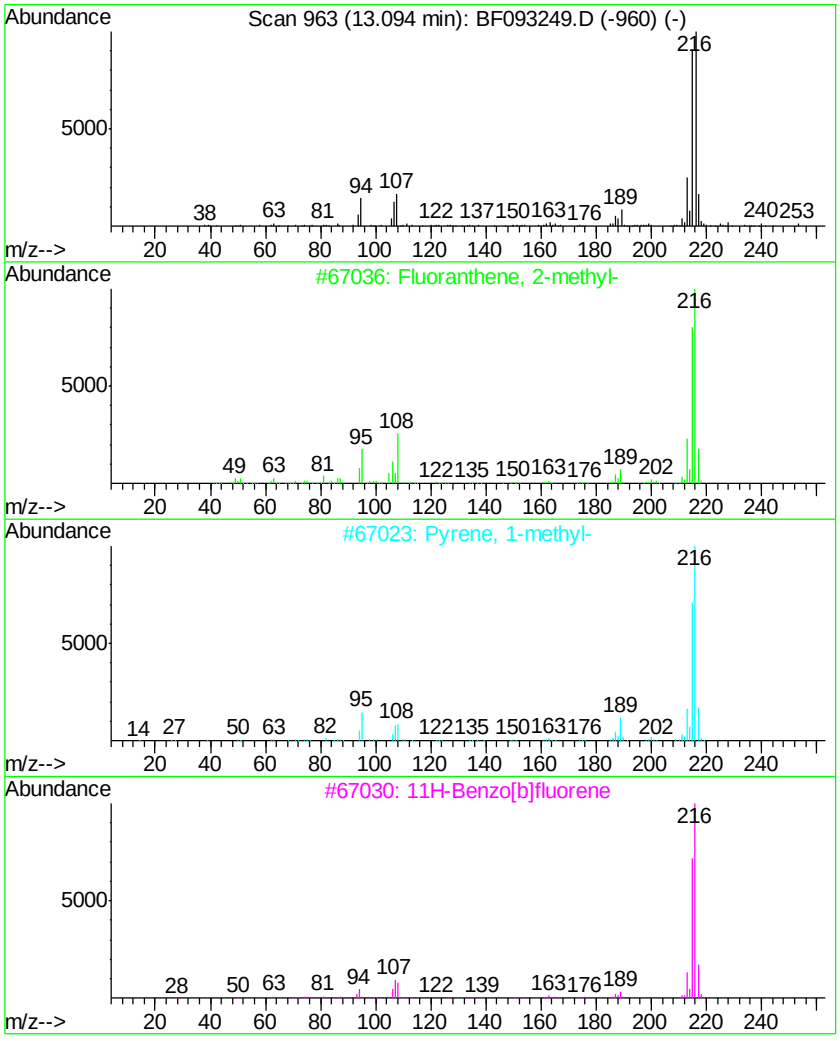
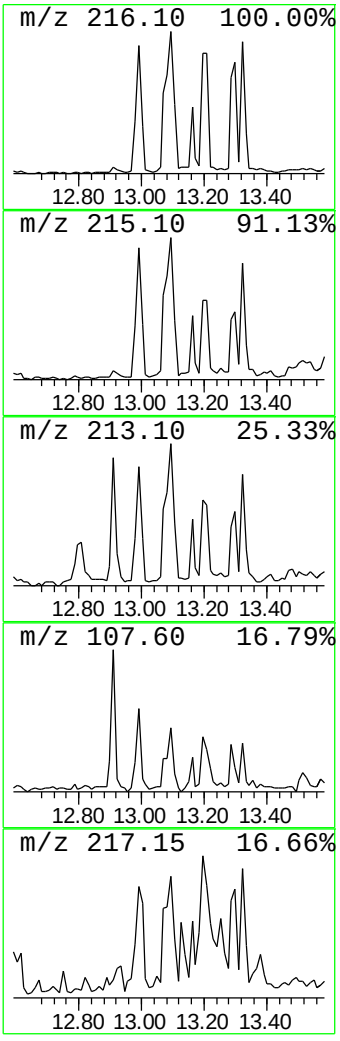
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.50 ng	376658	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-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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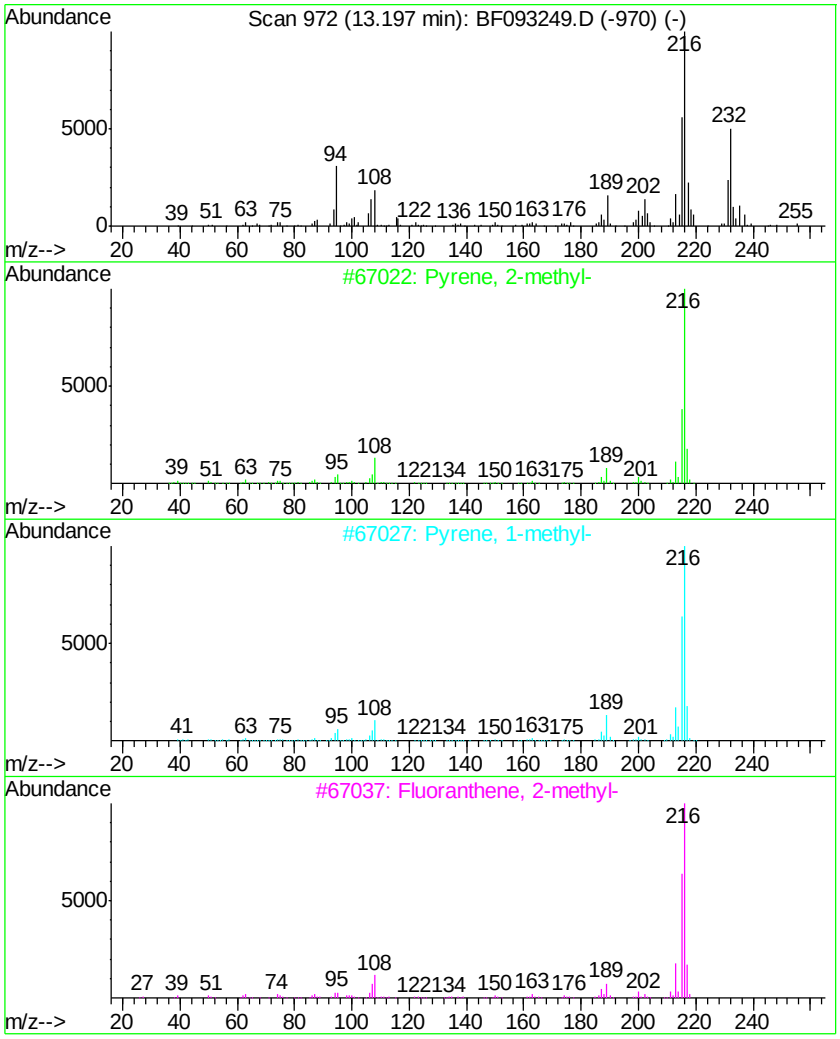
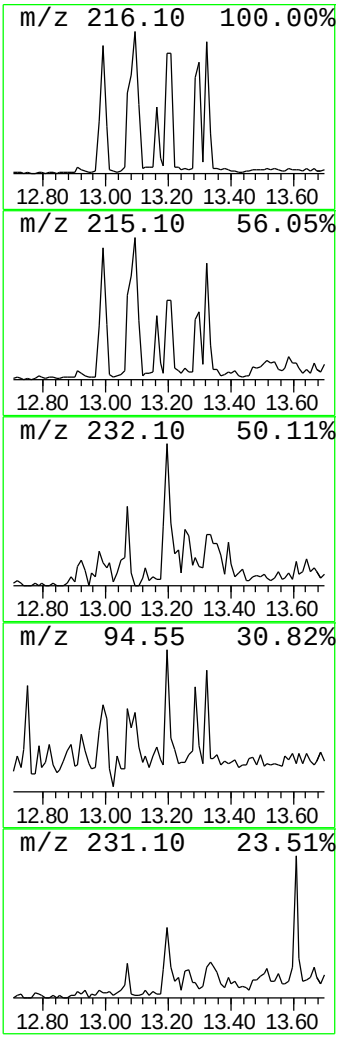
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	3.42 ng	368372	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	50
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	50
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	45
5	1,3-Dihydro-5,6-dimethyl-1-(2-pr...	216	C12H12N2S	080276-22-8	38





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-20170227

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TIC Integration Parameters: LSCINT.P

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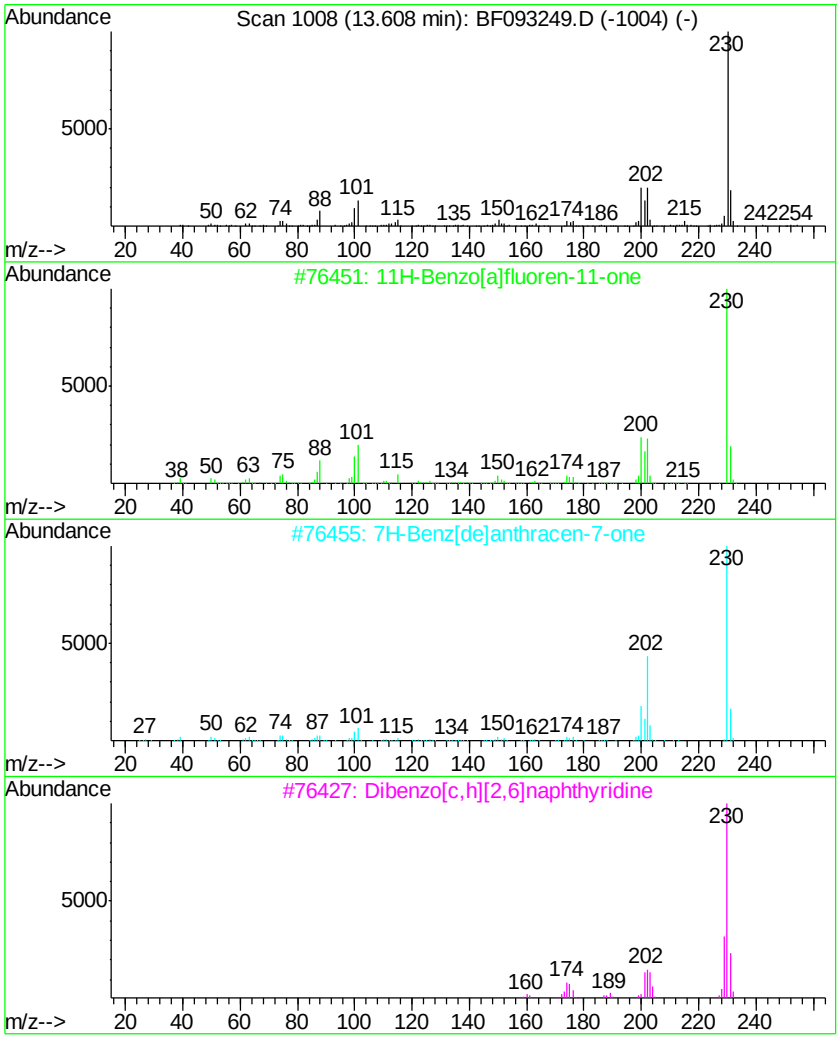
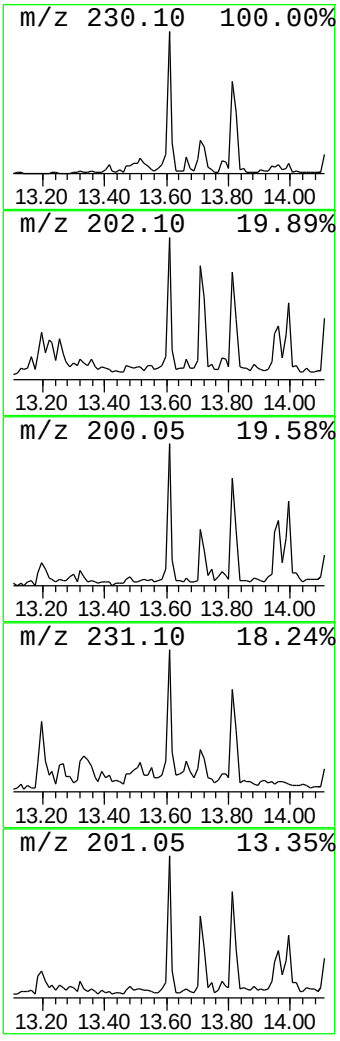
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	2.80 ng	301580	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59
4	o-Terphenyl	230	C18H14	000084-15-1	59
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	50





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ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId : TK3-WC-20170227

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

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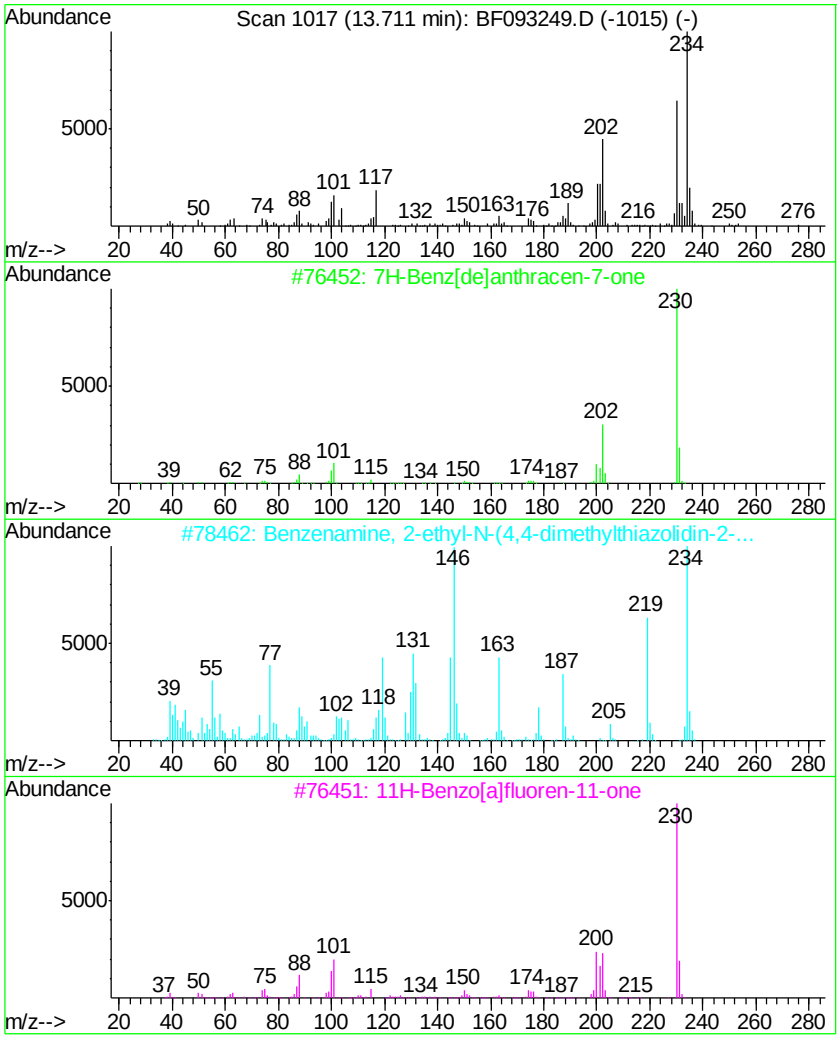
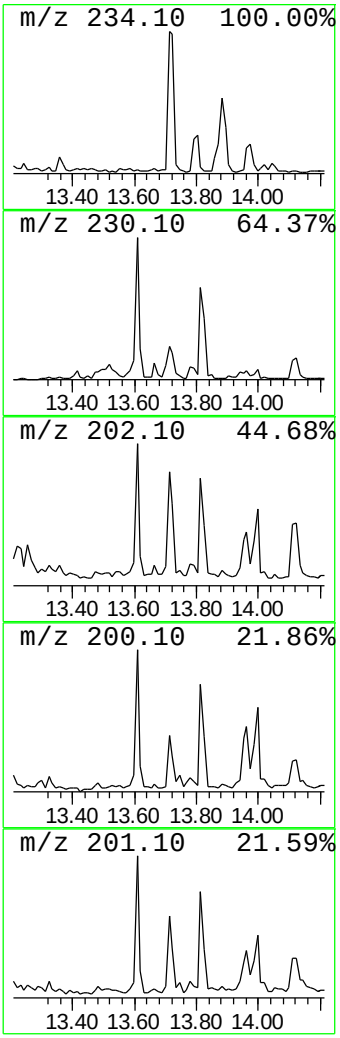
Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	2.76 ng	296999	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	80
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	64
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64





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TIC Integration Parameters: LSCINT.P

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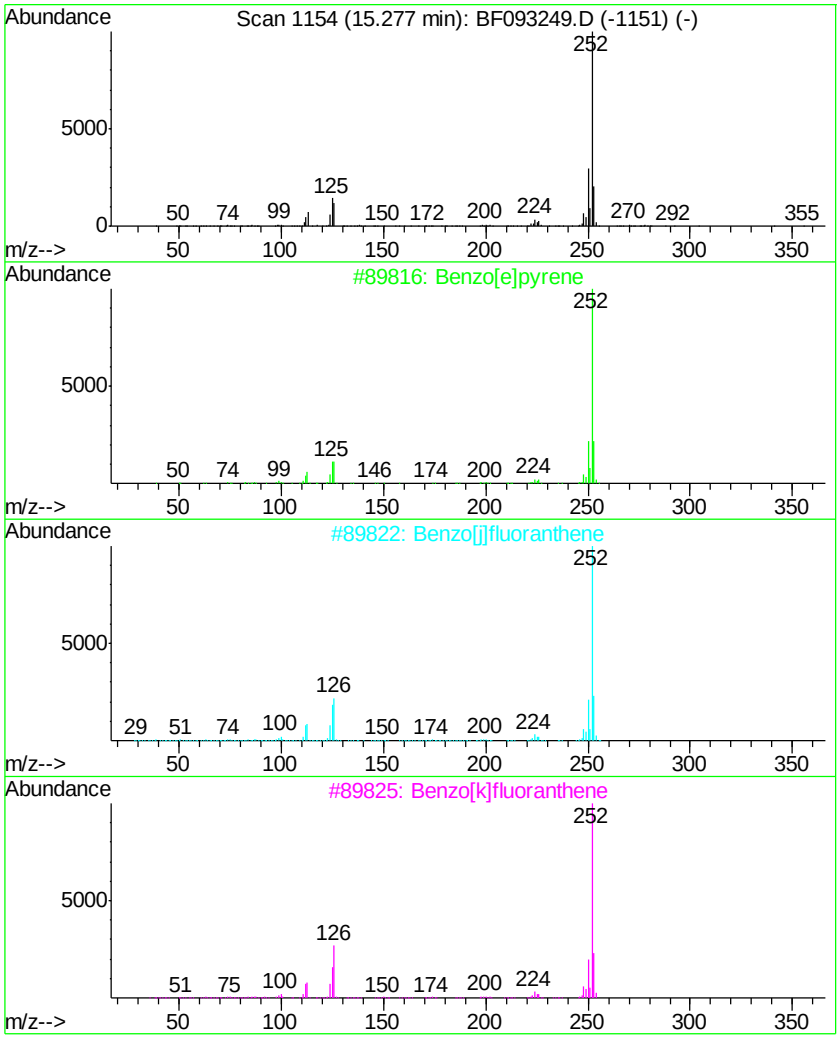
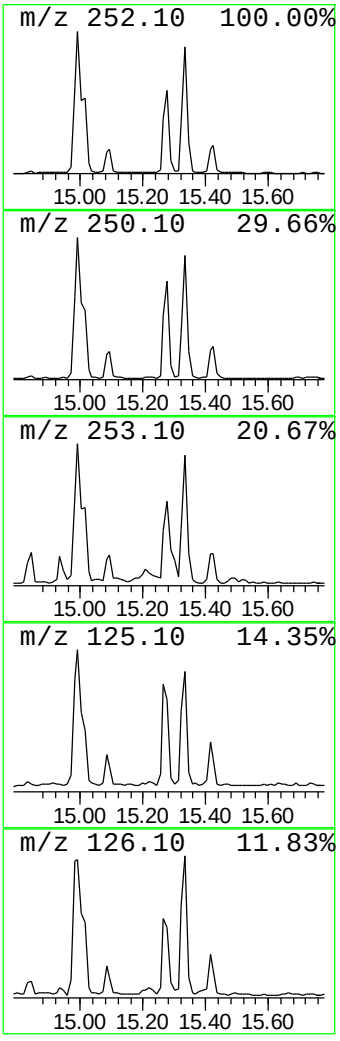
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	9.49 ng	505607	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Perylene	252	C20H12	000198-55-0	94





Tentatively Identified Compound (LSC) summary

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Data File : BF093249.D
Acq On : 28 Feb 2017 15:32
Operator : SJ/MA
Sample : I2017-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-WC-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
Cyclohexane, 1,3-...	3.96	3.2	ng	141147	1	6.81	876396	20.0
Octane	4.33	6.3	ng	277470	1	6.81	876396	20.0
Cyclohexane, ethyl-	4.89	3.1	ng	136644	1	6.81	876396	20.0
2-Pentanone, 4-hy...	4.97	31.3	ng	1372180	1	6.81	876396	20.0
unknown6.58	6.58	67.4	ng	2955260	1	6.81	876396	20.0
Phenanthrene, 2-m...	11.83	5.8	ng	452787	4	11.33	1567240	20.0
unknown11.94	11.94	10.1	ng	791433	4	11.33	1567240	20.0
9,10-Anthracenedione	12.16	3.5	ng	277105	4	11.33	1567240	20.0
Phenanthrene, 2,5...	12.37	4.6	ng	360147	4	11.33	1567240	20.0
di-p-Tolylacetylene	12.41	2.8	ng	215926	4	11.33	1567240	20.0
Cyclopenta(def)ph...	12.47	2.8	ng	222905	4	11.33	1567240	20.0
Fluoranthene, 2-m...	13.09	3.5	ng	376658	5	13.97	2152920	20.0
Pyrene, 2-methyl-	13.20	3.4	ng	368372	5	13.97	2152920	20.0
11H-Benzo[a]fluor...	13.61	2.8	ng	301580	5	13.97	2152920	20.0
7H-Benz[de]anthra...	13.71	2.8	ng	296999	5	13.97	2152920	20.0
Benzo[e]pyrene	15.28	9.5	ng	505607	6	15.39	1065200	20.0