LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079493.D
Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

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-BF052615.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	1.278	6	8	19	rVB2	113593	224487	6.35%	0.552%
2	1.427	19	21	28	rVB	87228	120024	3.40%	0.295%
3	1.598	34	36	43	rVB	35387	80828	2.29%	0.199%
4	1.701	43	45	75	rVB	1669528	3534700	100.00%	8.688%
5	4.753	310	312	318	rVB	32652	61425	1.74%	0.151%
6	5.302	358	360	372	rBV	359881	462761	13.09%	1.137%
7	6.616	472	475	483	rBV	336591	488656	13.82%	1.201%
8	6.730	483	485	488	rBV	465418	515295	14.58%	1.266%
9	7.016	508	510	513	rBV	638571	596842	16.89%	1.467%
10	7.199	524	526	528	rBV	370913	368729	10.43%	0.906%
11	7.713	569	571	574	rBV	308679	293889	8.31%	0.722%
12	8.593	646	648	649	rBV	950499	851021	24.08%	2.092%
13	8.616	649	650	653	rVB	283150	300400	8.50%	0.738%
14	9.485	724	726	728	rBV	116909	140408	3.97%	0.345%
15	9.599	734	736	739	rVB	170046	150820	4.27%	0.371%
16	9.942	764	766	768	rBV	681555	587394	16.62%	1.444%
17	10.068	774	777	780	rVB2	30519	45898	1.30%	0.113%
18	10.171	784	786	791	rVB	36819	53129	1.50%	0.131%
19	10.262	791	794	796	rBV	52616	88716	2.51%	0.218%
20	10.353	800	802	803	rVV	86931	115584	3.27%	0.284%
21	10.376	803	804	808	rVV	45360	61485	1.74%	0.151%
22	10.456	808	811	812	rVV	38245	44190	1.25%	0.109%
23	10.491	812	814	818	rVV	61598	82702	2.34%	0.203%
24	10.593	820	823	825	rVB	71229	88223	2.50%	0.217%
25	10.731	830	835	836	rBV2	23231	57940	1.64%	0.142%
26	10.765	836	838	840	rVV	953622	1022012	28.91%	2.512%
27	10.799	840	841	843	rVV	353480	318444	9.01%	0.783%
28	11.016	858	860	863	rBV	229773	243372	6.89%	0.598%
29	11.096	863	867	871	rVV2	36490	113982	3.22%	0.280%
30	11.165	871	873	875	rVV2	42266	63920	1.81%	0.157%
31	11.279	880	883	888	rBV2	30974	72361	2.05%	0.178%
32	11.439	895	897	900	rVB	382647	366525	10.37%	0.901%
33	11.519	900	904	905	rBV	44174	83310	2.36%	0.205%
34	11.554	905	907	908	rVB	41032	56549	1.60%	0.139%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079493.D
Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

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-BF052615.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.645	913	915	918	rVB	96507	111008	3.14%	0.273%
36	11.748	921	924	927	rVV2	349846	554263	15.68%	1.362%
37	12.125	954	957	959	rBV2	83845	132686	3.75%	0.326%
38	12.159	959	960	962	rVV2	46404	42277	1.20%	0.104%
39	12.228	962	966	968	rVB2	55319	89089	2.52%	0.219%
40	12.308	968	973	977	rBV4	45992	173586	4.91%	0.427%
41	12.365	977	978	981	rVB2	34217	48557	1.37%	0.119%
42	12.434	981	984	985	rBV	54062	88205	2.50%	0.217%
43	12.468	985	987	989	rVB	151635	146114	4.13%	0.359%
44	12.605	996	999	1000	rBV	761599	1190155	33.67%	2.925%
45	12.628	1000	1001	1004	rVV	2184863	2019703	57.14%	4.964%
46	12.697	1004	1007	1009	rVB	679946	781780	22.12%	1.921%
47	12.754	1009	1012	1014	rBV2	52364	95845	2.71%	0.236%
48	12.868	1020	1022	1024	rBV2	34921	55662	1.57%	0.137%
49	12.902	1024	1025	1027	rBV	127619	161876	4.58%	0.398%
50	12.982	1031	1032	1034	rBV2	52510	69259	1.96%	0.170%
51	13.119	1041	1044	1046	rVB	35166	55282	1.56%	0.136%
52	13.234	1051	1054	1055	rBV	211685	292560	8.28%	0.719%
53	13.268	1055	1057	1059	rVB	238027	331611	9.38%	0.815%
54	13.325	1059	1062	1063	rBV	158990	190999	5.40%	0.469%
55	13.359	1063	1065	1067	rVV	538922	634472	17.95%	1.559%
56	13.394	1067	1068	1071	rVB	183329	147933	4.19%	0.364%
57	13.600	1084	1086	1088	rBV	133725	180702	5.11%	0.444%
58	13.782	1101	1102	1104	rBV2	60513	90910	2.57%	0.223%
59	13.828	1104	1106	1107	rVV	53024	55935	1.58%	0.137%
60	13.920	1111	1114	1115	rBV	127466	200927	5.68%	0.494%
61	13.954	1115	1117	1119	rVV	99022	148717	4.21%	0.366%
62	14.022	1121	1123	1126	rBV3	72983	140975	3.99%	0.346%
63	14.102	1128	1130	1132	rBV	2224630	2471608	69.92%	6.075%
64	14.182	1135	1137	1139	rVB3	138847	163350	4.62%	0.401%
65	14.217	1139	1140	1143	rVB4	45773	77993	2.21%	0.192%
66	14.285	1143	1146	1148	rBV	142776	186593	5.28%	0.459%
67	14.377	1151	1154	1156	rBV	1852974	2700017	76.39%	6.636%
68	14.548	1167	1169	1170	rBV	113226	156757	4.43%	0.385%
69	14.594	1170	1173	1176	rVB2	731230	801424	22.67%	1.970%
70	14.662	1176	1179	1181	rBV2	114395	229086	6.48%	0.563%
71	14.708	1181	1183	1184	rVV2	50236	50300	1.42%	0.124%

LSC Area Percent Report

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Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

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
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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.754	1184	1187	1189	rVV2	156563	334546	9.46%	0.822%
73	14.800	1189	1191	1193	rVB	337093	392566	11.11%	0.965%
74	14.880	1196	1198	1200	rVV	277409	352982	9.99%	0.868%
75	14.925	1200	1202	1207	rVV	256418	456737	12.92%	1.123%
76	15.040	1210	1212	1213	rBV	119299	138755	3.93%	0.341%
77	15.074	1213	1215	1218	rVV	111821	155161	4.39%	0.381%
78	15.165	1222	1223	1225	rVV	47321	52761	1.49%	0.130%
79	15.405	1243	1244	1245	rBV	53319	59798	1.69%	0.147%
80	15.565	1256	1258	1260	rBV	133808	180140	5.10%	0.443%
81	15.611	1260	1262	1265	rVV2	148601	322207	9.12%	0.792%
82	15.703	1269	1270	1272	rVB2	69383	77639	2.20%	0.191%
83	15.783	1275	1277	1280	rVV	77871	151594	4.29%	0.373%
84	15.885	1283	1286	1288	rVV2	1443904	2588944	73.24%	6.363%
85	15.920	1288	1289	1291	rVV	770822	941403	26.63%	2.314%
86	16.023	1295	1298	1300	rBV	189749	262174	7.42%	0.644%
87	16.160	1308	1310	1312	rVB	94437	105597	2.99%	0.260%
88	16.205	1312	1314	1318	rBV2	124478	190035	5.38%	0.467%
89	16.354	1325	1327	1328	rBV2	67679	97023	2.74%	0.238%
90	16.400	1329	1331	1333	rVV	183027	215576	6.10%	0.530%
91	16.445	1333	1335	1337	rVV	88132	128668	3.64%	0.316%
92	16.560	1343	1345	1346	rBV2	67612	96436	2.73%	0.237%
93	17.223	1400	1403	1408	rBV	750742	1858155	52.57%	4.567%
94	17.337	1411	1413	1415	rVB	194512	230011	6.51%	0.565%
95	17.543	1429	1431	1435	rVB	501235	661354	18.71%	1.625%
96	17.611	1435	1437	1440	rBV	853859	1043575	29.52%	2.565%
97	17.680	1440	1443	1445	rBV	853922	1249750	35.36%	3.072%
98	18.331	1498	1500	1504	rVB2	138233	257464	7.28%	0.633%
99	19.029	1558	1561	1566	rVB2	359768	679604	19.23%	1.670%
100	19.417	1592	1595	1599	rBV	304654	582064	16.47%	1.431%

Sum of corrected areas: 40686956

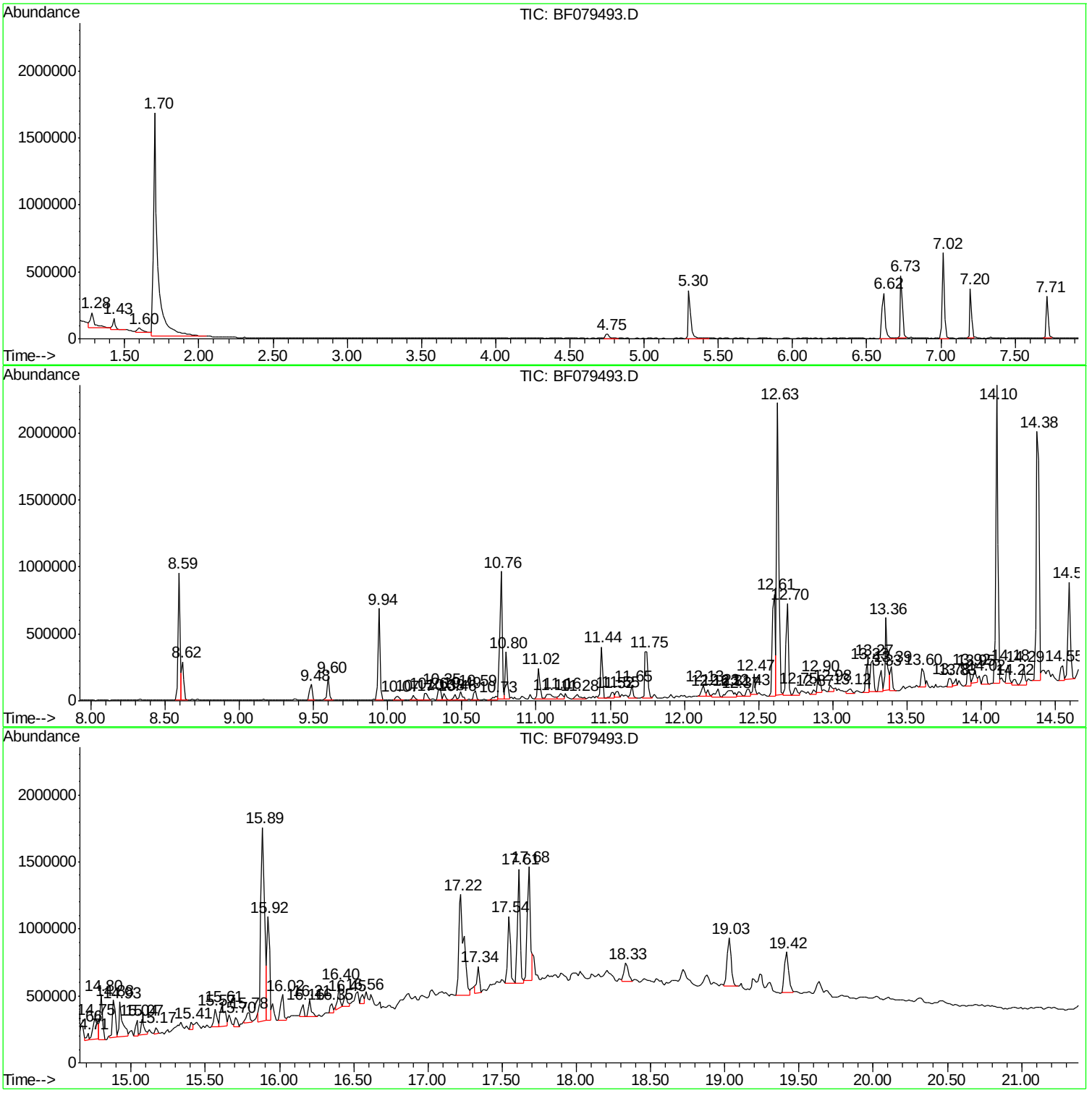
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079493.D
Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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\BF052615\
Data File : BF079493.D
Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

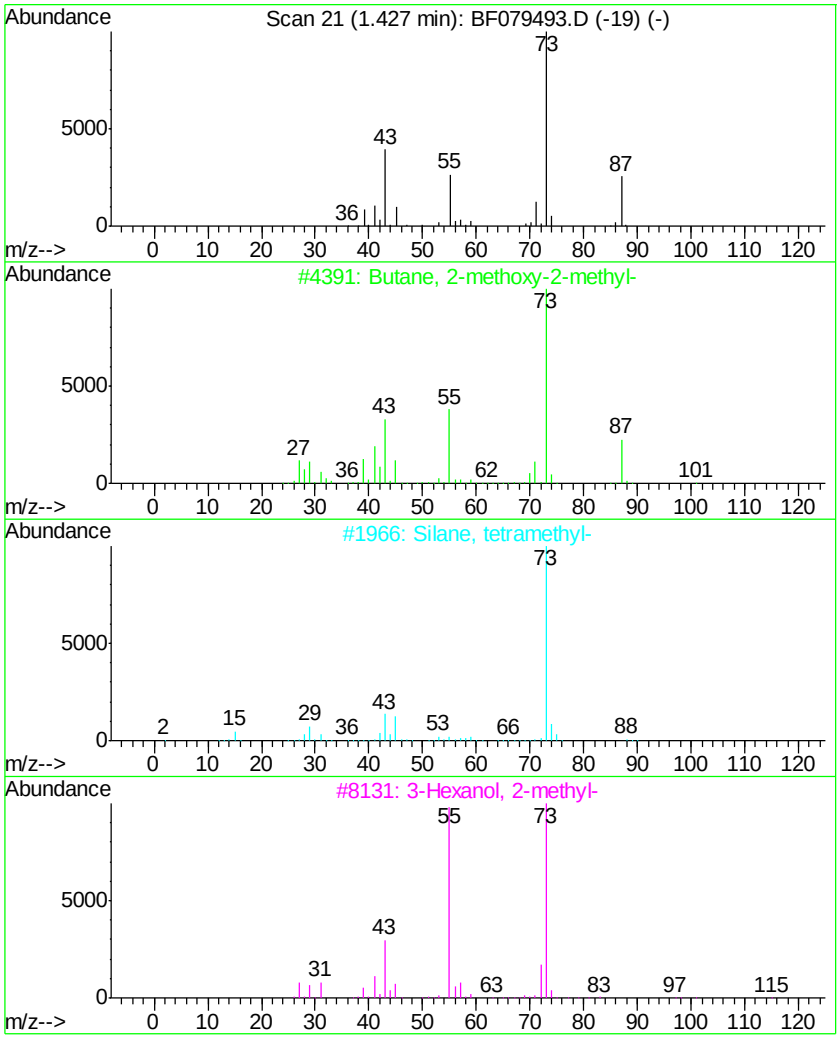
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

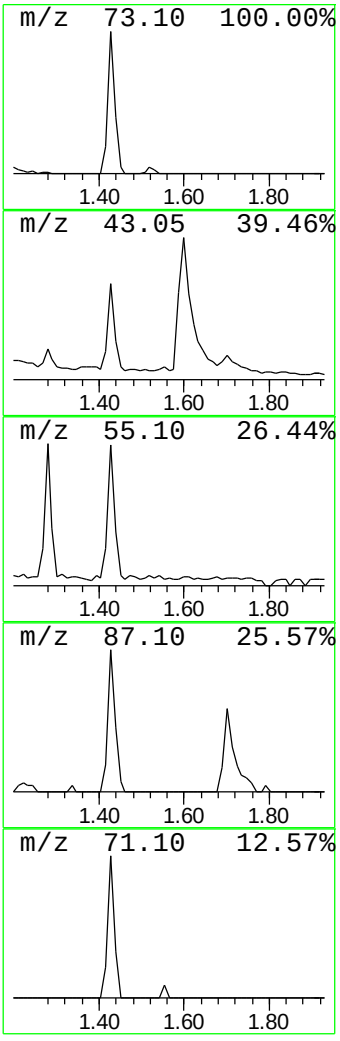
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.43	4.02 ng	120024	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079493.D
Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

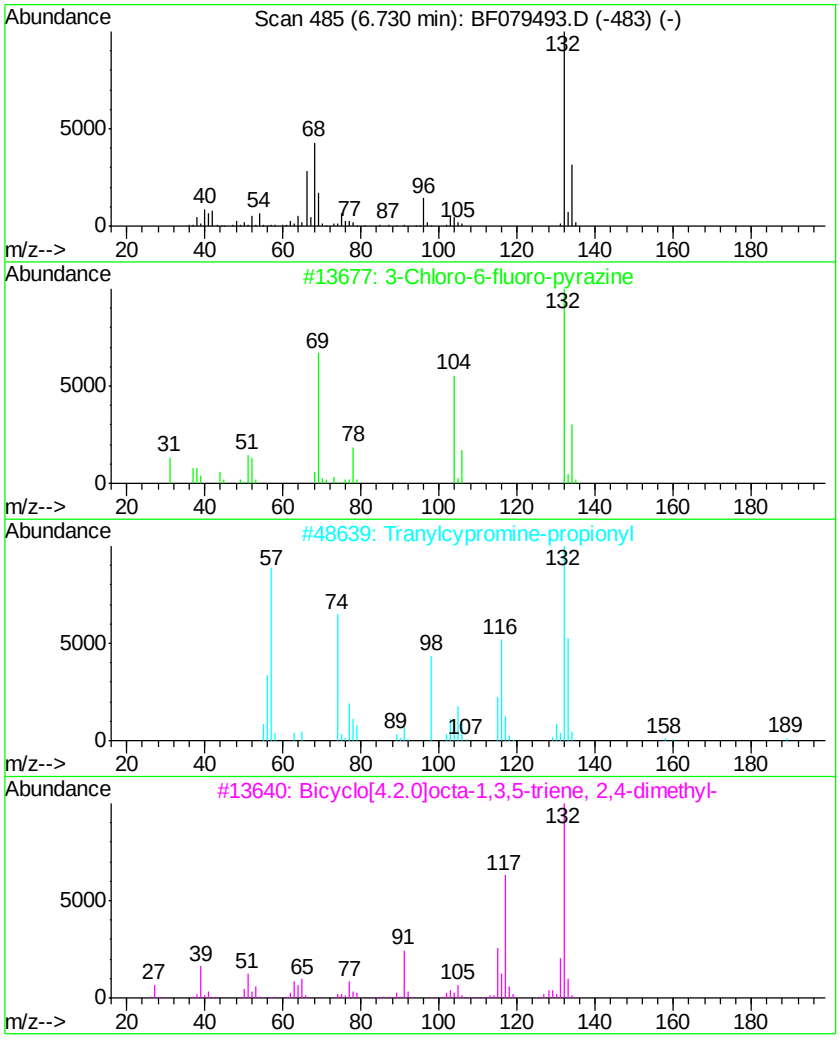
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

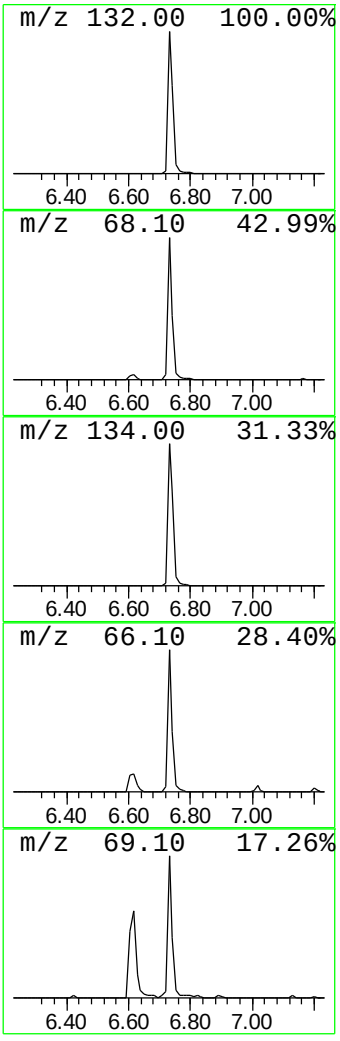
****

Peak Number 4 unknown6.73 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	17.27 ng	515295	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
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Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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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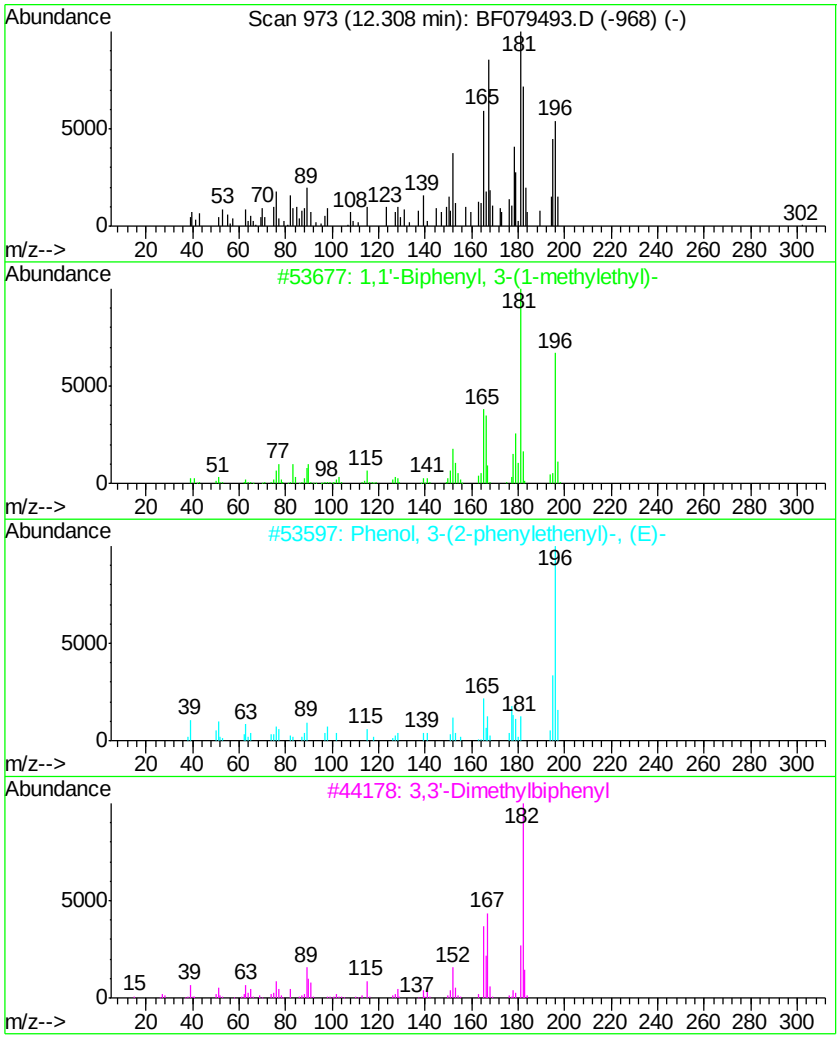
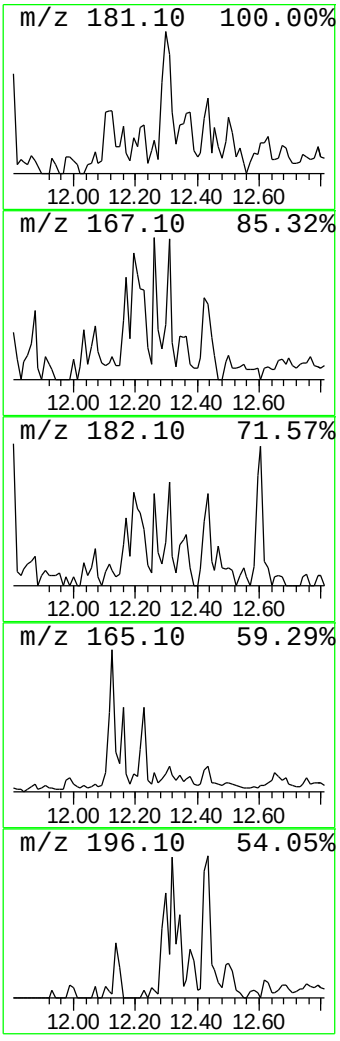
Peak Number 7 unknown12.31 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	2.92 ng	173586	Phenanthrene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	43
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	42
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	38
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	30
5	Oxirane, 2,3-diphenyl-	196	C14H12O	017619-97-5	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
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Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

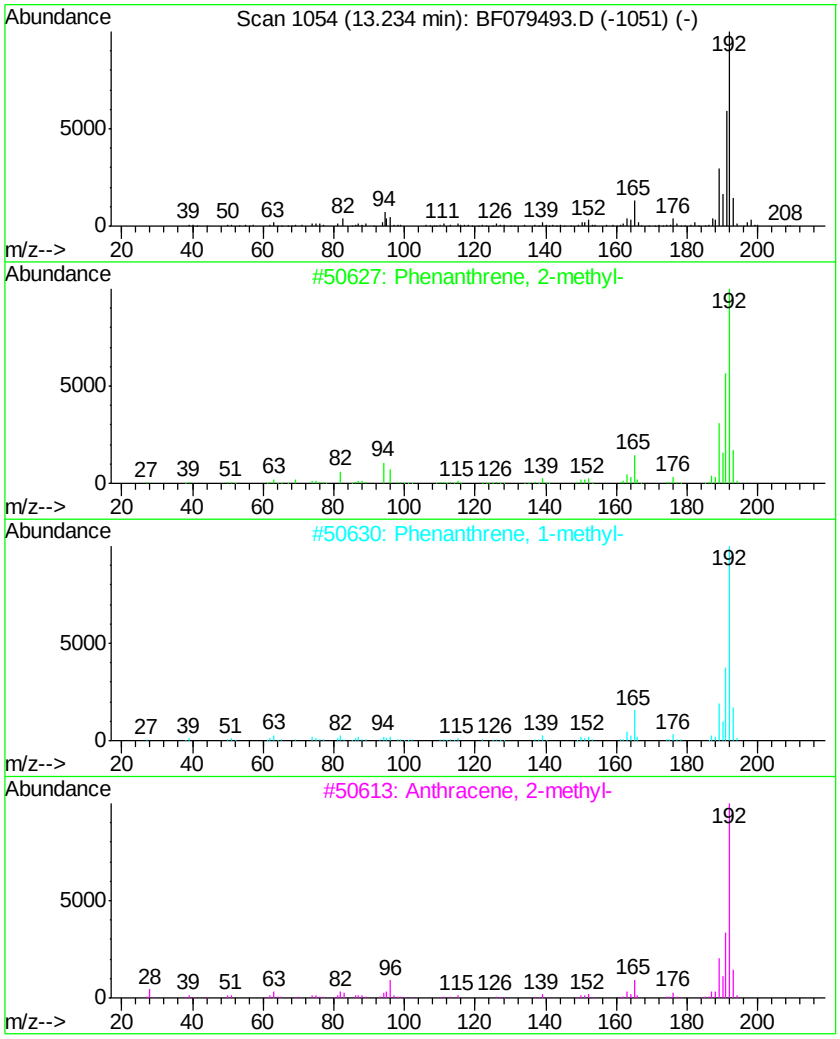
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

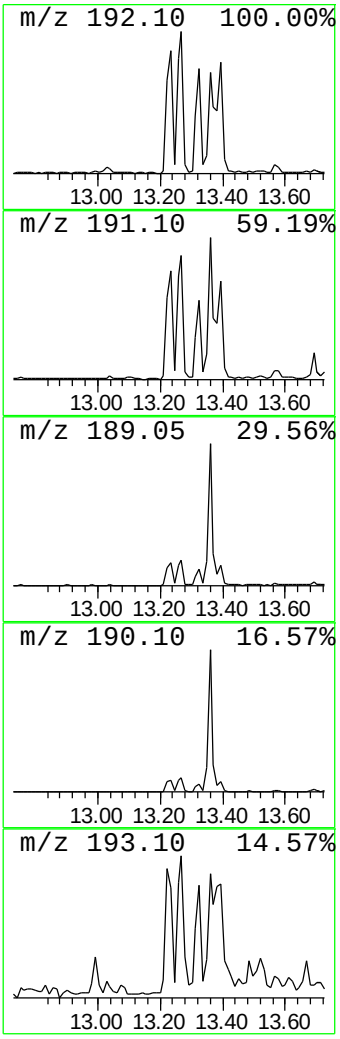
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	4.92 ng	292560	Phenanthrene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079493.D
Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

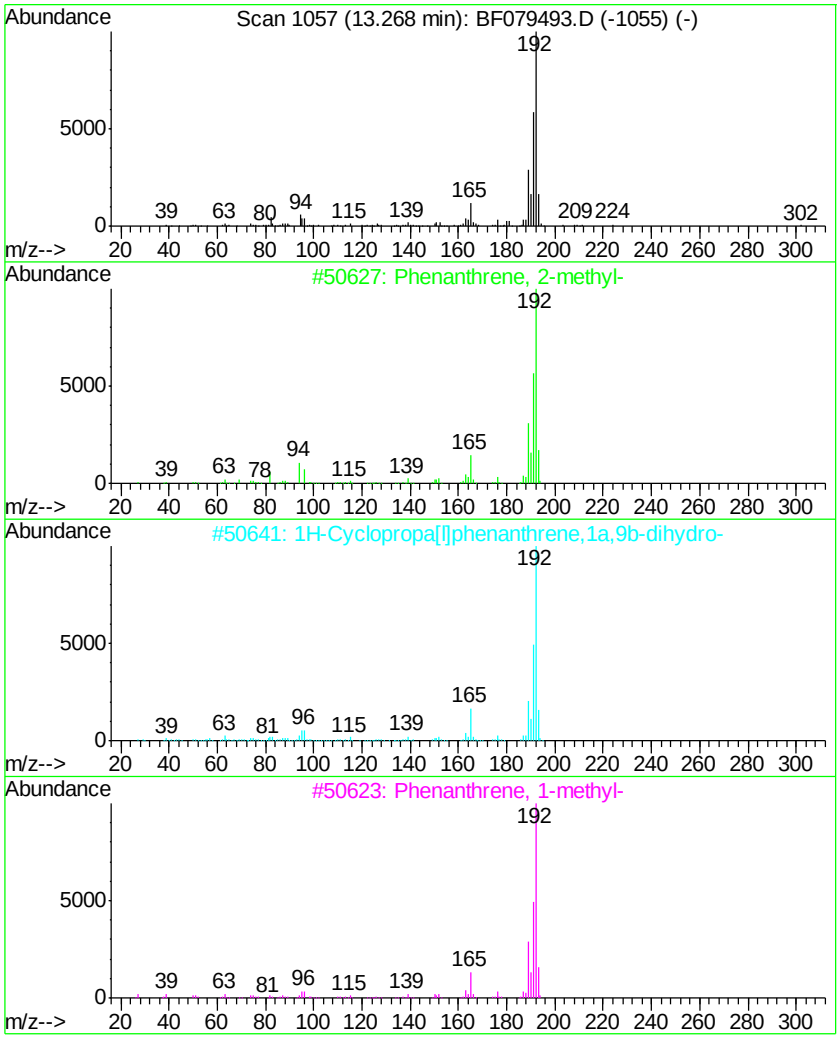
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

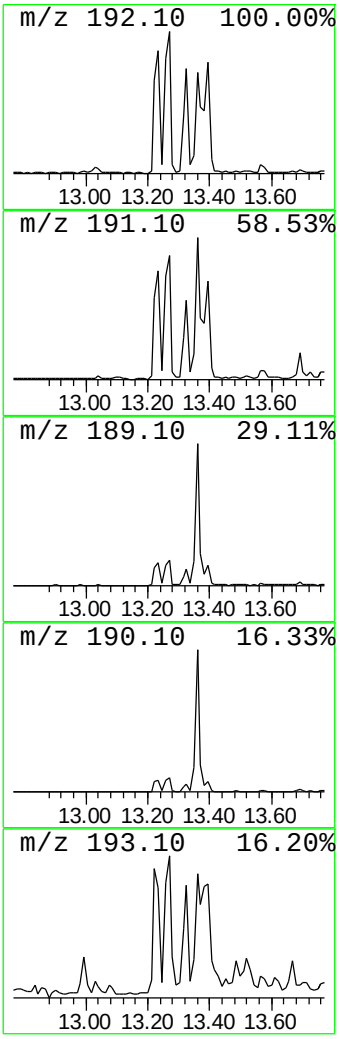
****

Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	5.57 ng	331611	Phenanthrene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079493.D
Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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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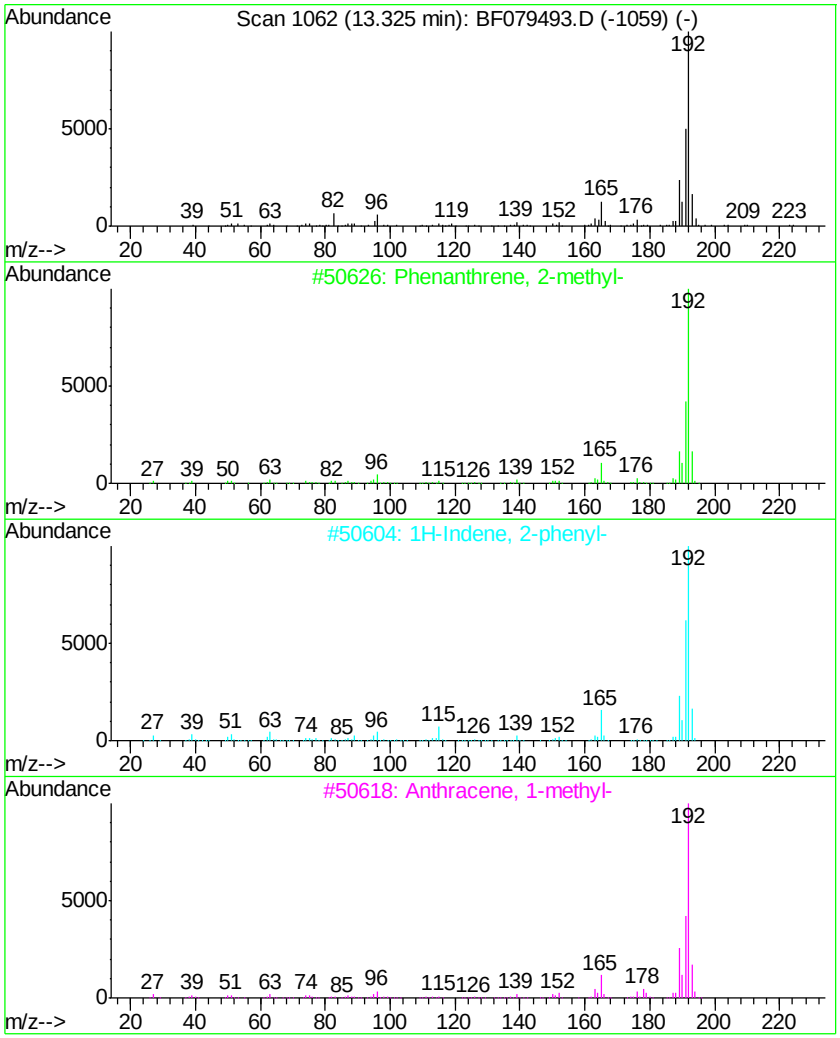
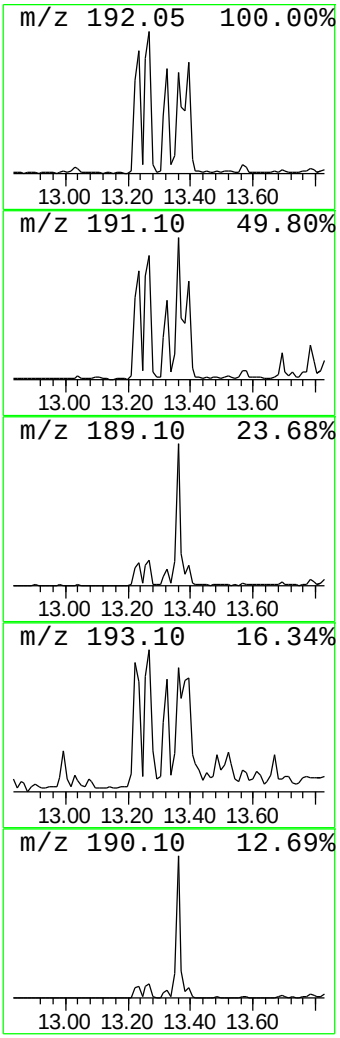
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	3.21 ng	190999	Phenanthrene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	93





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Data File : BF079493.D
Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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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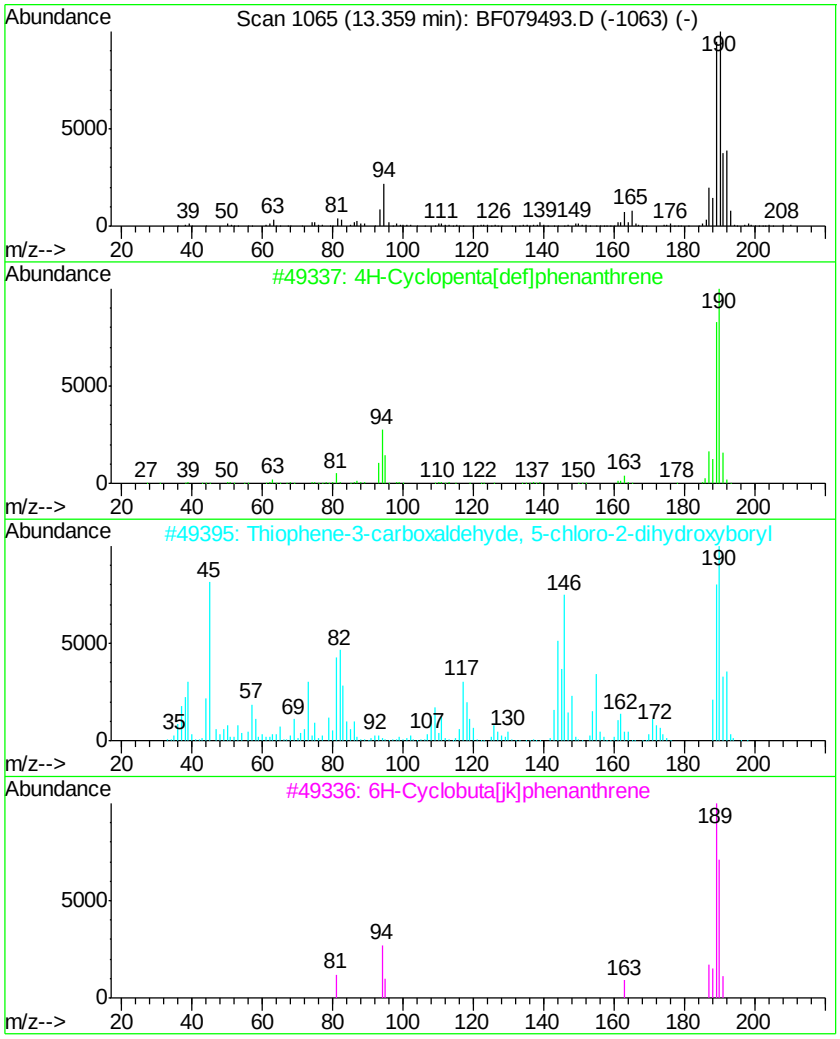
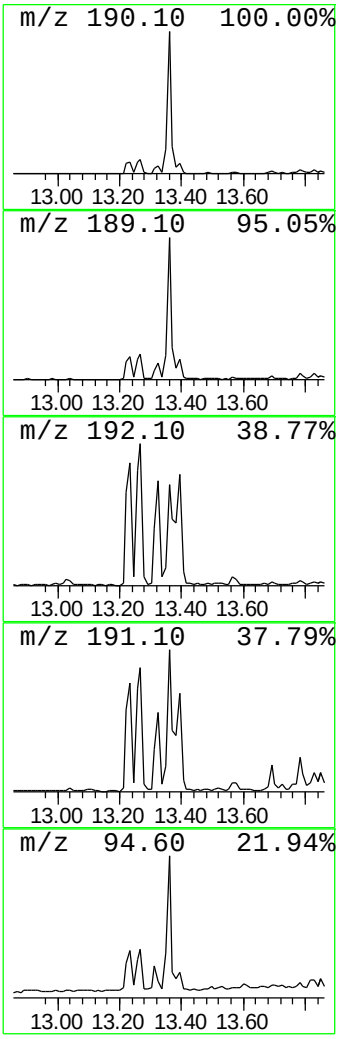
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	10.66 ng	634472	Phenanthrene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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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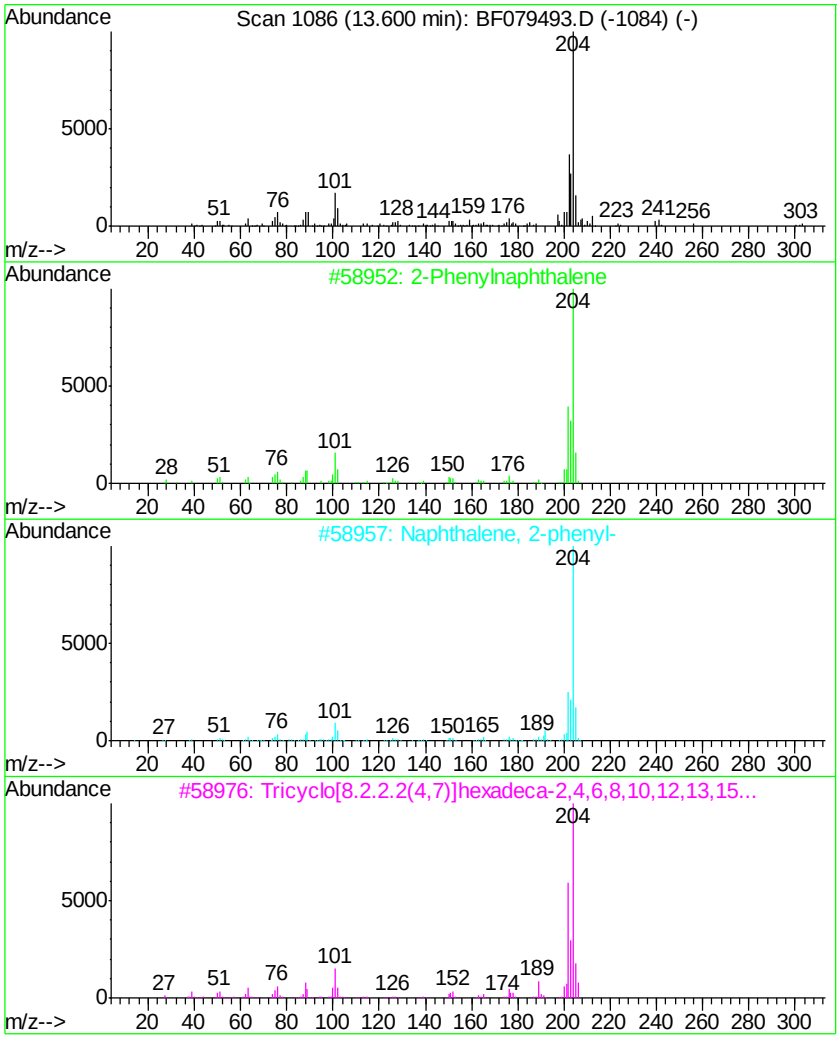
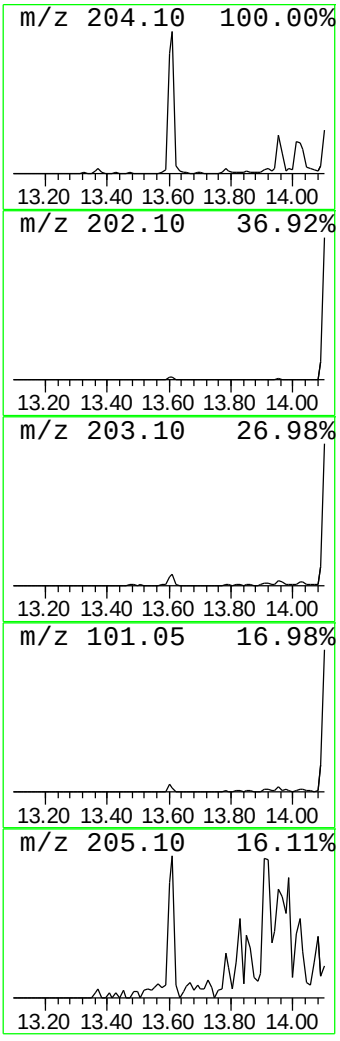
Peak Number 12 2-Phenylnaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	3.04 ng	180702	Phenanthrene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	97
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	80
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78





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Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
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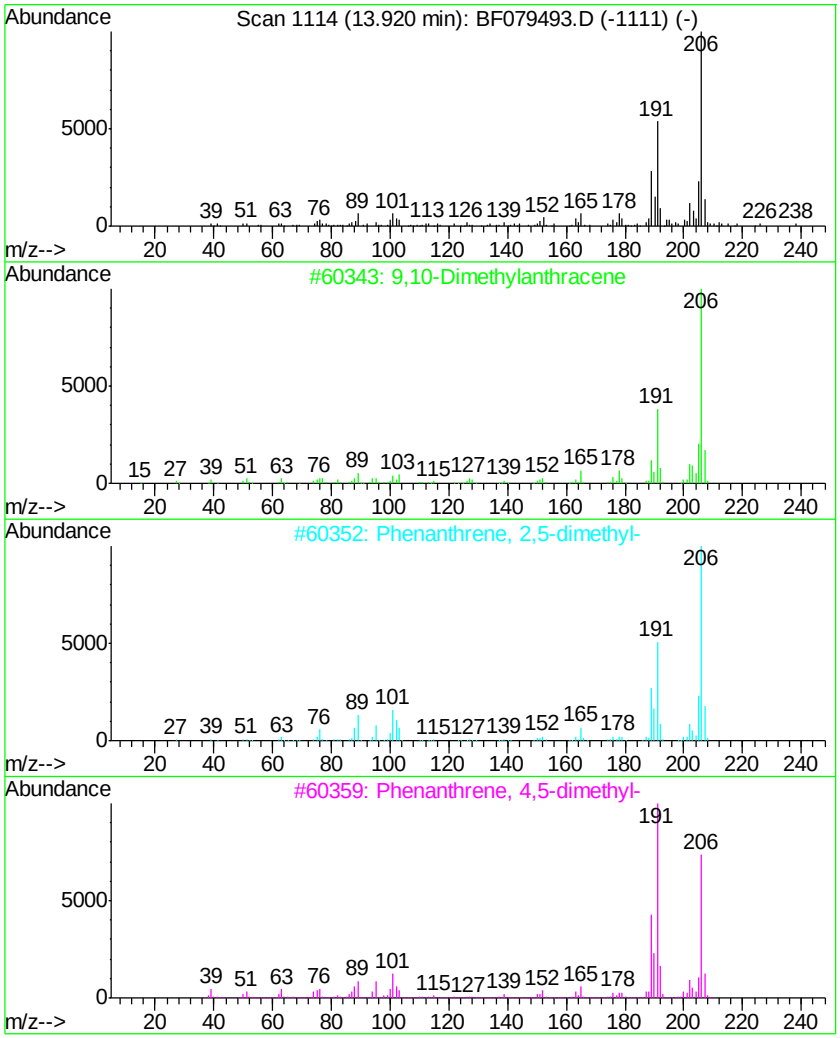
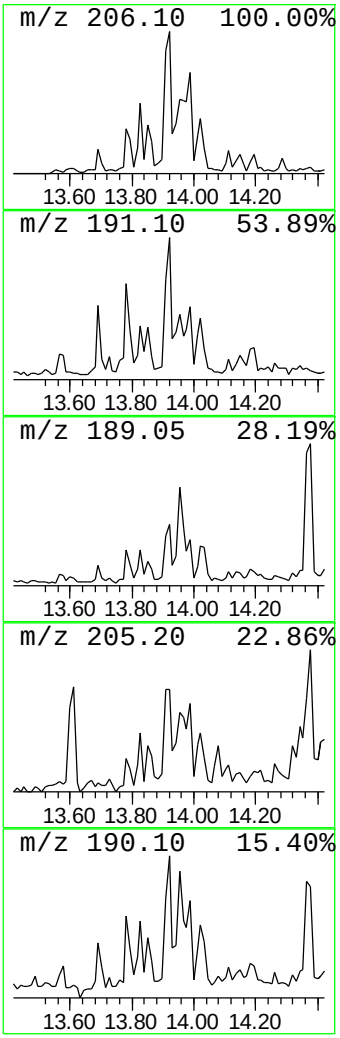
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	3.38 ng	200927	Phenanthrene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	81





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Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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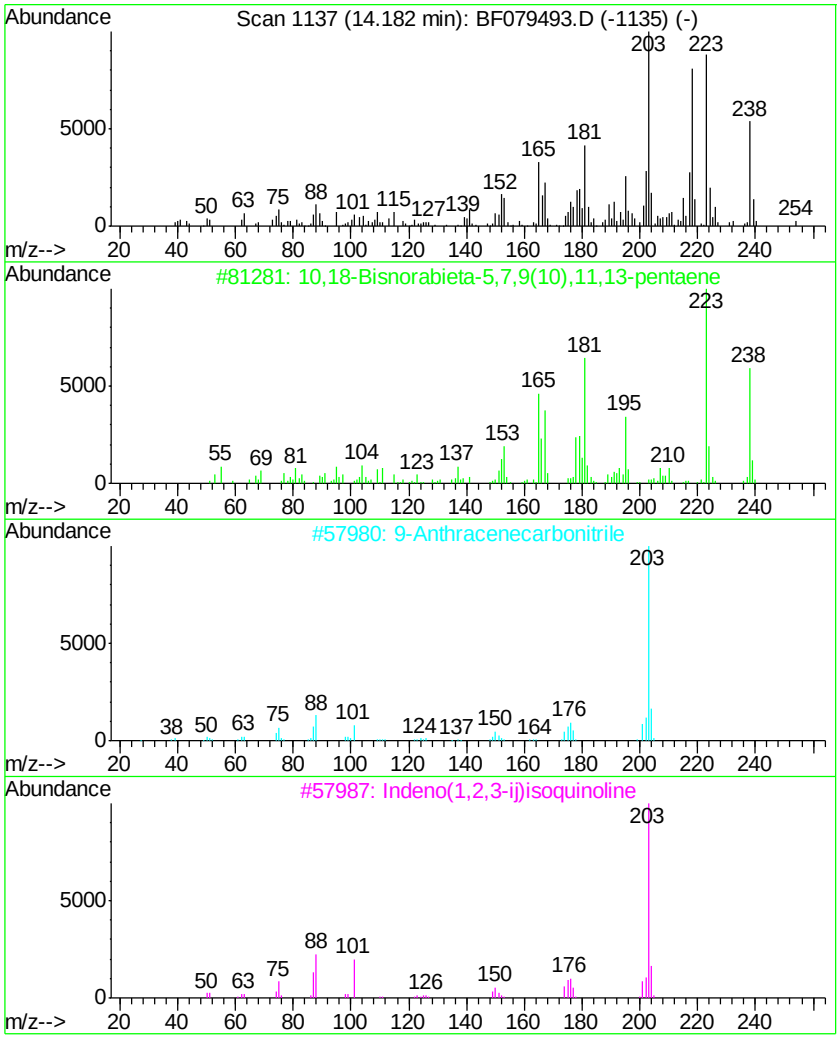
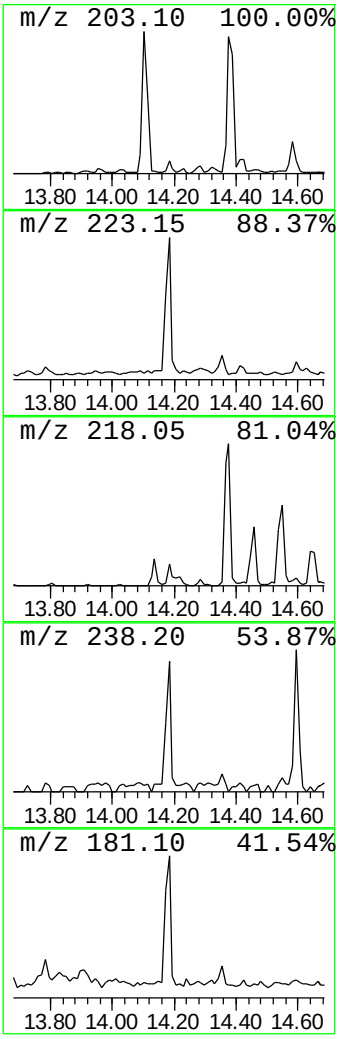
Peak Number 14 unknown14.18 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	2.75 ng	163350	Phenanthrene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	46
2	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	40
3	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	25
4	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	25
5	Acenaphtho(1,2-B)pyridine	203	C15H9N	000206-49-5	25





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Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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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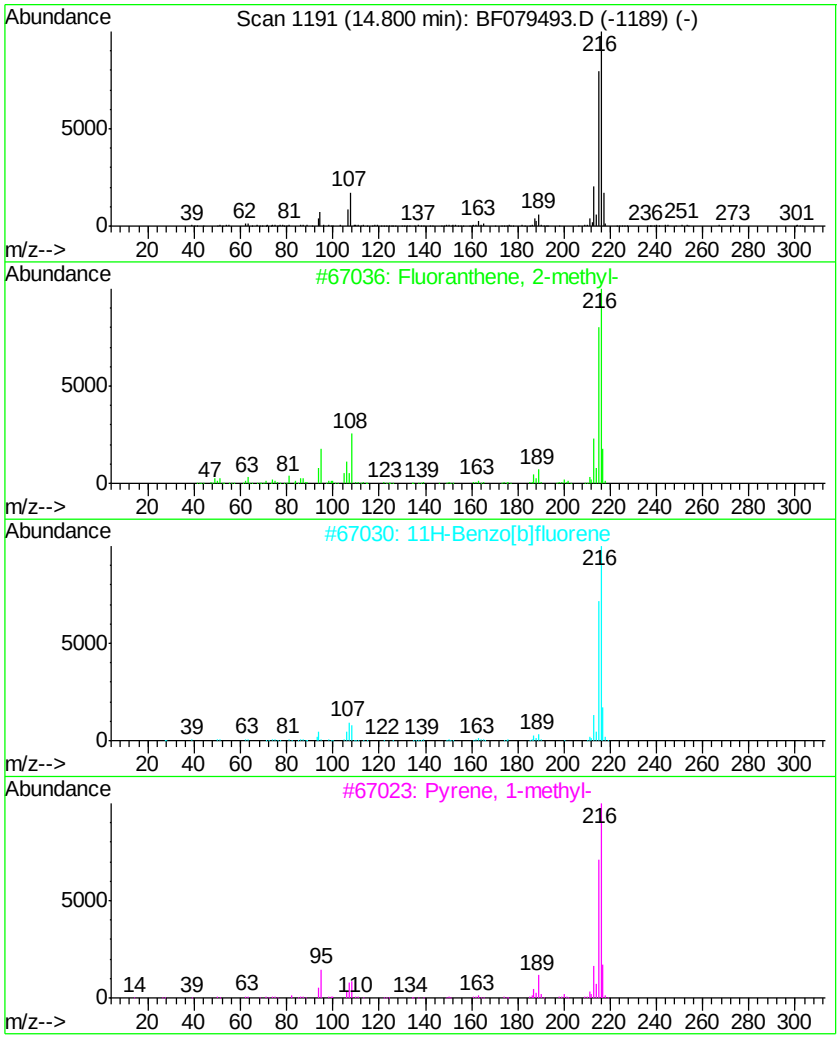
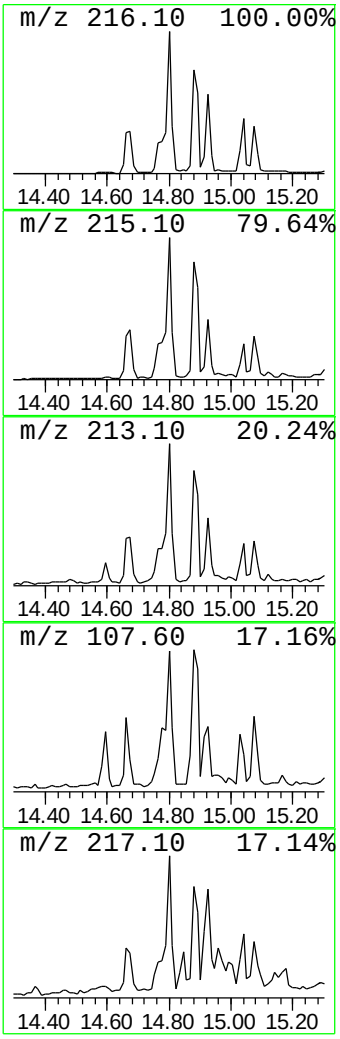
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	3.03 ng	392566	Chrysene-d12	15.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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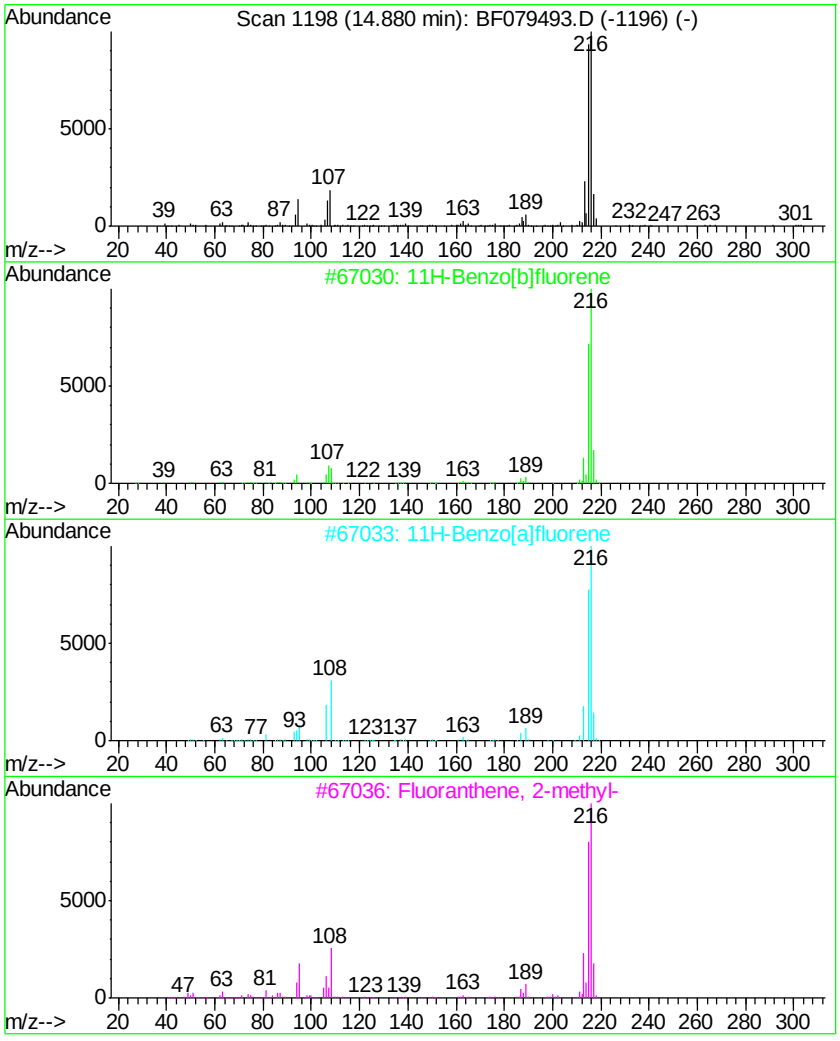
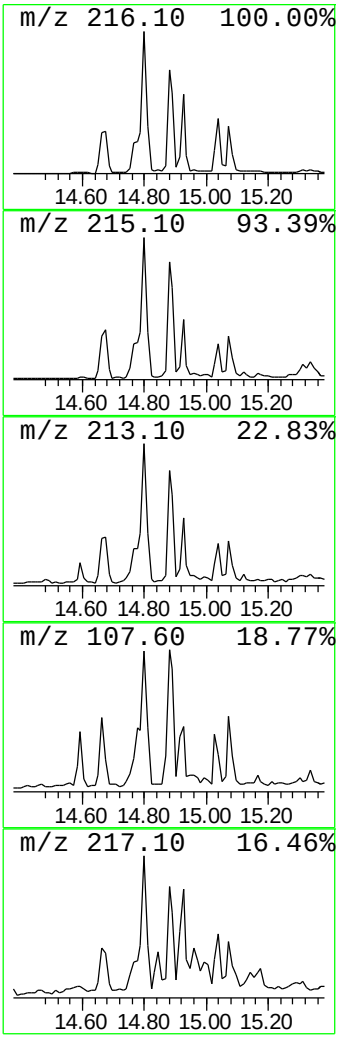
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	2.73 ng	352982	Chrysene-d12	15.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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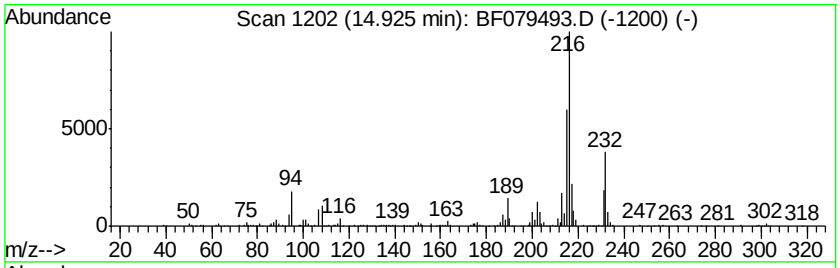
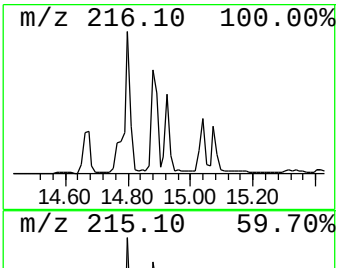
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	3.53 ng	456737	Chrysene-d12	15.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

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TIC Integration Parameters: LSCINT.P

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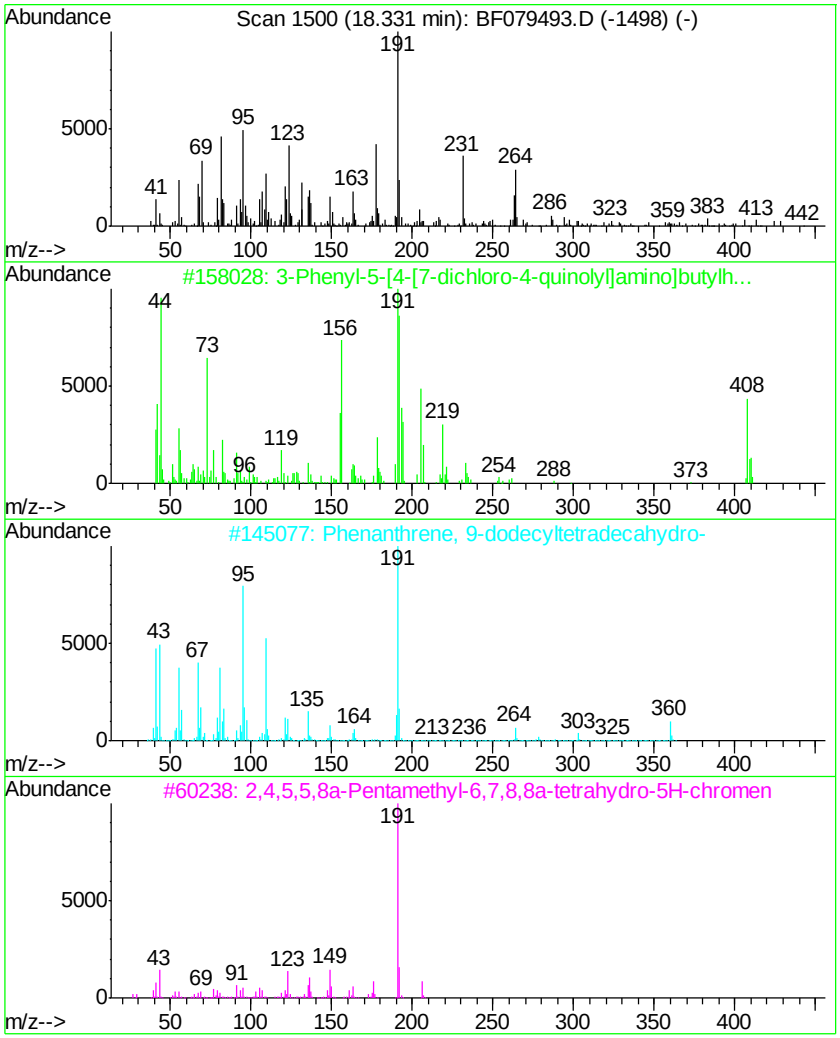
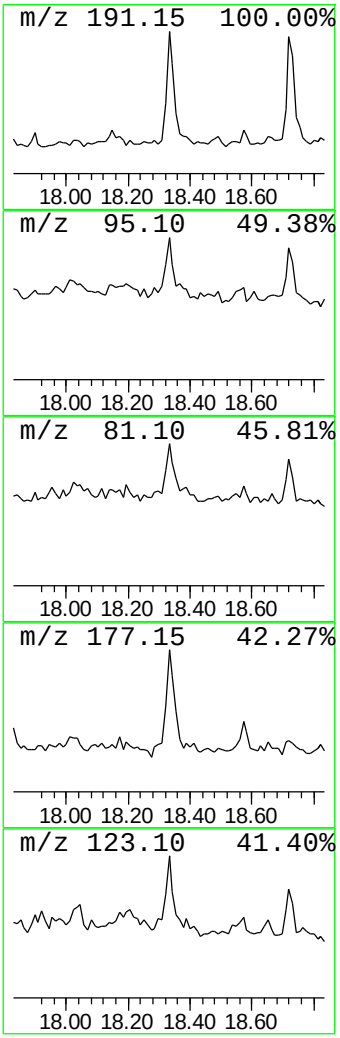
Peak Number 20 unknown18.33 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	4.12 ng	257464	Perylene-d12	17.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenyl-5-[4-[7-dichloro-4-quin...	408	C22H21ClN4O2	1000252-32-2	35
2	Phenanthrene, 9-dodecyltetradeca...	360	C26H48	055334-01-5	32
3	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	32
4	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	18
5	Anthracene, 9-dodecyl-	346	C26H34	002883-70-7	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052615\
Data File : BF079493.D
Acq On : 26 May 2015 23:47
Operator : TP/IZ
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Misc :
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	1.43	4.0	ng	120024	1	7.02	596842	20.0
unknown6.73	6.73	17.3	ng	515295	1	7.02	596842	20.0
unknown12.31	12.31	2.9	ng	173586	4	12.61	1190160	20.0
Phenanthrene, 2-m...	13.23	4.9	ng	292560	4	12.61	1190160	20.0
1H-Cyclopropa[l]p...	13.27	5.6	ng	331611	4	12.61	1190160	20.0
1H-Indene, 2-phenyl-	13.33	3.2	ng	190999	4	12.61	1190160	20.0
4H-Cyclopenta[def...	13.36	10.7	ng	634472	4	12.61	1190160	20.0
2-Phenylnaphthalene	13.60	3.0	ng	180702	4	12.61	1190160	20.0
9,10-Dimethylanth...	13.92	3.4	ng	200927	4	12.61	1190160	20.0
unknown14.18	14.18	2.8	ng	163350	4	12.61	1190160	20.0
Fluoranthene, 2-m...	14.80	3.0	ng	392566	5	15.90	2588940	20.0
11H-Benzo[b]fluorene	14.88	2.7	ng	352982	5	15.90	2588940	20.0
Pyrene, 1-methyl-	14.93	3.5	ng	456737	5	15.90	2588940	20.0
unknown18.33	18.33	4.1	ng	257464	6	17.68	1249750	20.0