LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079494.D
Acq On : 27 May 2015 00:58
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

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	5	8	16	rVB	102281	226711	6.15%	0.574%
2	1.427	19	21	24	rVV	306525	429069	11.64%	1.087%
3	1.518	27	29	34	rVB	36004	57207	1.55%	0.145%
4	1.587	34	35	43	rBV	301253	501651	13.61%	1.271%
5	1.701	43	45	76	rVB	1111602	2393897	64.96%	6.066%
6	4.742	309	311	321	rVB	191954	275341	7.47%	0.698%
7	5.302	357	360	363	rBV	2277624	2533569	68.75%	6.419%
8	6.616	472	475	477	rBV	2749996	2688383	72.95%	6.812%
9	6.730	483	485	488	rBV	2020081	2691627	73.04%	6.820%
10	7.016	508	510	513	rBV	506121	484521	13.15%	1.228%
11	7.199	524	526	529	rBV	1496056	2003391	54.36%	5.076%
12	7.725	569	572	574	rBV	1159226	1620494	43.97%	4.106%
13	8.593	646	648	651	rBV	700607	673625	18.28%	1.707%
14	9.942	764	766	769	rBV	2903896	2998192	81.36%	7.597%
15	10.456	809	811	813	rBV	220494	190026	5.16%	0.481%
16	10.594	820	823	832	rBV	51526	125004	3.39%	0.317%
17	10.765	835	838	840	rVV	810441	782190	21.23%	1.982%
18	11.439	896	897	900	rVB	33545	38806	1.05%	0.098%
19	11.645	908	915	918	rVB4	22972	47450	1.29%	0.120%
20	11.748	921	924	927	rBV	2146881	2232885	60.59%	5.658%
21	11.954	940	942	947	rVB	23552	41246	1.12%	0.105%
22	12.320	967	974	975	rBV4	15533	41464	1.13%	0.105%
23	12.605	996	999	1000	rBV	684934	852651	23.14%	2.160%
24	12.628	1000	1001	1003	rVV	639393	579014	15.71%	1.467%
25	12.697	1003	1007	1010	rVB	183973	216684	5.88%	0.549%
26	13.234	1052	1054	1055	rBV	72436	82135	2.23%	0.208%
27	13.268	1055	1057	1060	rVB	91038	117898	3.20%	0.299%
28	13.337	1060	1063	1064	rBV2	67398	141616	3.84%	0.359%
29	13.360	1064	1065	1067	rVV	168566	185972	5.05%	0.471%
30	13.394	1067	1068	1072	rVB	62576	55812	1.51%	0.141%
31	13.611	1084	1087	1088	rBV	58811	76286	2.07%	0.193%
32	13.920	1111	1114	1115	rBV	41787	69377	1.88%	0.176%
33	13.954	1115	1117	1121	rVV4	32119	67209	1.82%	0.170%
34	14.011	1121	1122	1127	rVB2	54458	84270	2.29%	0.214%

LSC Area Percent Report

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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

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	14.103	1127	1130	1132	rBV	1171564	1186915	32.21%	3.007%
36	14.183	1135	1137	1139	rBV2	28996	43309	1.18%	0.110%
37	14.285	1143	1146	1148	rBV	63290	77859	2.11%	0.197%
38	14.377	1151	1154	1157	rVV	911458	1226996	33.29%	3.109%
39	14.434	1157	1159	1162	rVV2	53302	102258	2.77%	0.259%
40	14.548	1166	1169	1170	rBV	52529	69186	1.88%	0.175%
41	14.594	1170	1173	1176	rBV	2655661	3685227	100.00%	9.337%
42	14.674	1176	1180	1182	rVB2	42698	85456	2.32%	0.217%
43	14.777	1186	1189	1190	rBV2	46312	93360	2.53%	0.237%
44	14.800	1190	1191	1194	rVB	99334	100518	2.73%	0.255%
45	14.880	1197	1198	1200	rVV	55129	80536	2.19%	0.204%
46	14.925	1200	1202	1207	rVV2	108669	184829	5.02%	0.468%
47	15.040	1210	1212	1214	rVB	47636	47957	1.30%	0.122%
48	15.074	1214	1215	1222	rVB3	34640	79784	2.16%	0.202%
49	15.188	1222	1225	1228	rBV3	20385	58117	1.58%	0.147%
50	15.314	1234	1236	1240	rBV3	27819	46326	1.26%	0.117%
51	15.440	1243	1247	1250	rBV	55064	99761	2.71%	0.253%
52	15.566	1256	1258	1260	rBV	86269	106854	2.90%	0.271%
53	15.623	1260	1263	1265	rVV2	59907	153500	4.17%	0.389%
54	15.703	1268	1270	1272	rVB	97648	112822	3.06%	0.286%
55	15.771	1274	1276	1280	rBV2	288333	408172	11.08%	1.034%
56	15.886	1282	1286	1288	rBV2	1033201	1760318	47.77%	4.460%
57	15.920	1288	1289	1290	rVB	357881	250050	6.79%	0.634%
58	16.011	1295	1297	1299	rVB	78902	85418	2.32%	0.216%
59	16.148	1307	1309	1311	rVB	57378	52907	1.44%	0.134%
60	16.194	1311	1313	1318	rBV2	69702	131011	3.56%	0.332%
61	16.388	1328	1330	1332	rVB	69984	73625	2.00%	0.187%
62	16.503	1338	1340	1342	rBV	36322	46438	1.26%	0.118%
63	17.189	1397	1400	1405	rBV	372603	867628	23.54%	2.198%
64	17.303	1408	1410	1412	rVB	83138	106797	2.90%	0.271%
65	17.497	1425	1427	1431	rBV	225376	322418	8.75%	0.817%
66	17.566	1431	1433	1436	rBV	403351	450739	12.23%	1.142%
67	17.634	1436	1439	1440	rBV	663303	954052	25.89%	2.417%
68	18.960	1552	1555	1561	rBV2	191797	383587	10.41%	0.972%
69	19.349	1586	1589	1594	rBV	164984	326968	8.87%	0.828%

Sum of corrected areas: 39467371

LSC Report - Integrated Chromatogram

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Operator : TP/IZ
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Misc :
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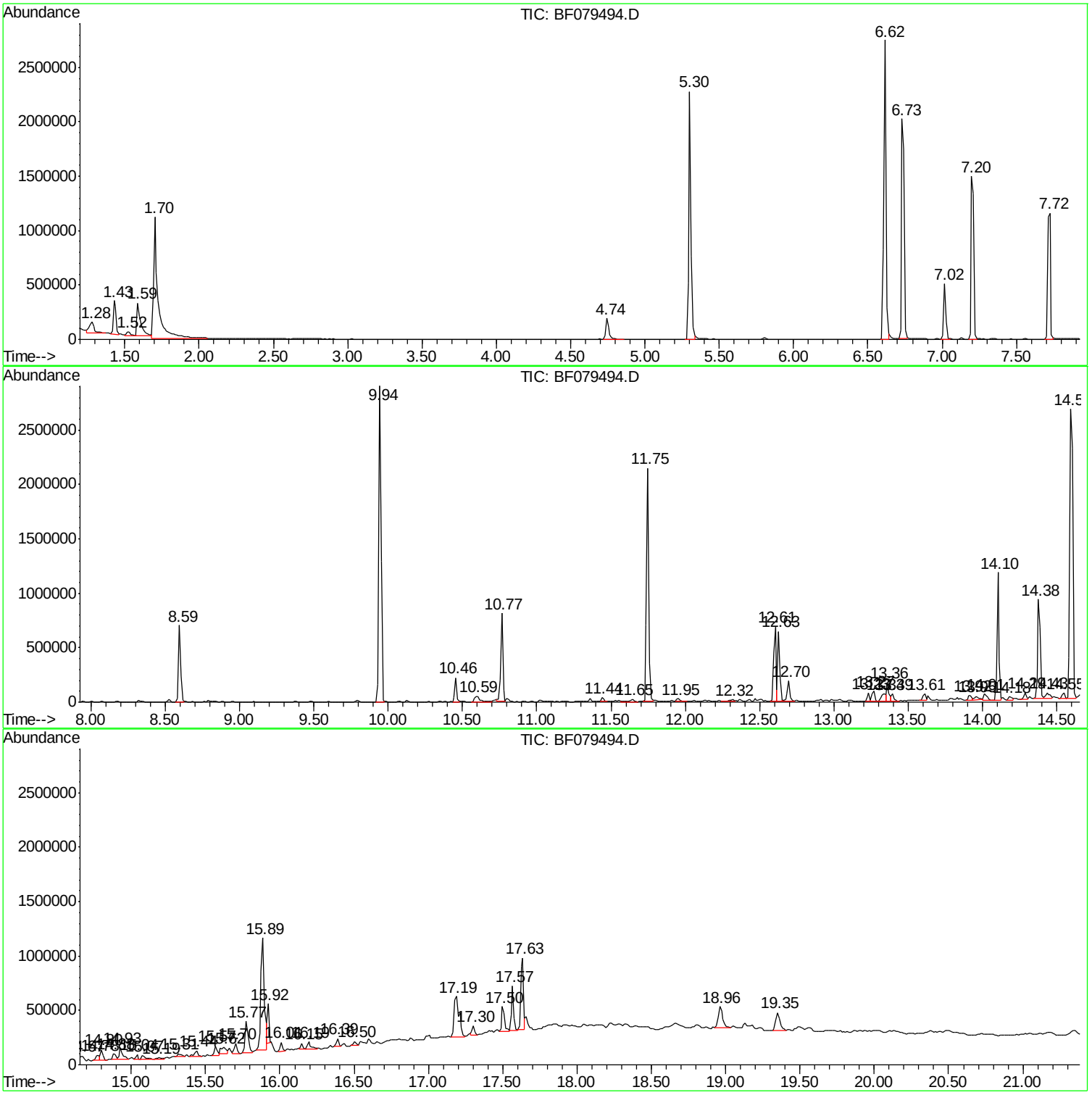
Instrument :
BNA_F
ClientSampleId :
SB-31S

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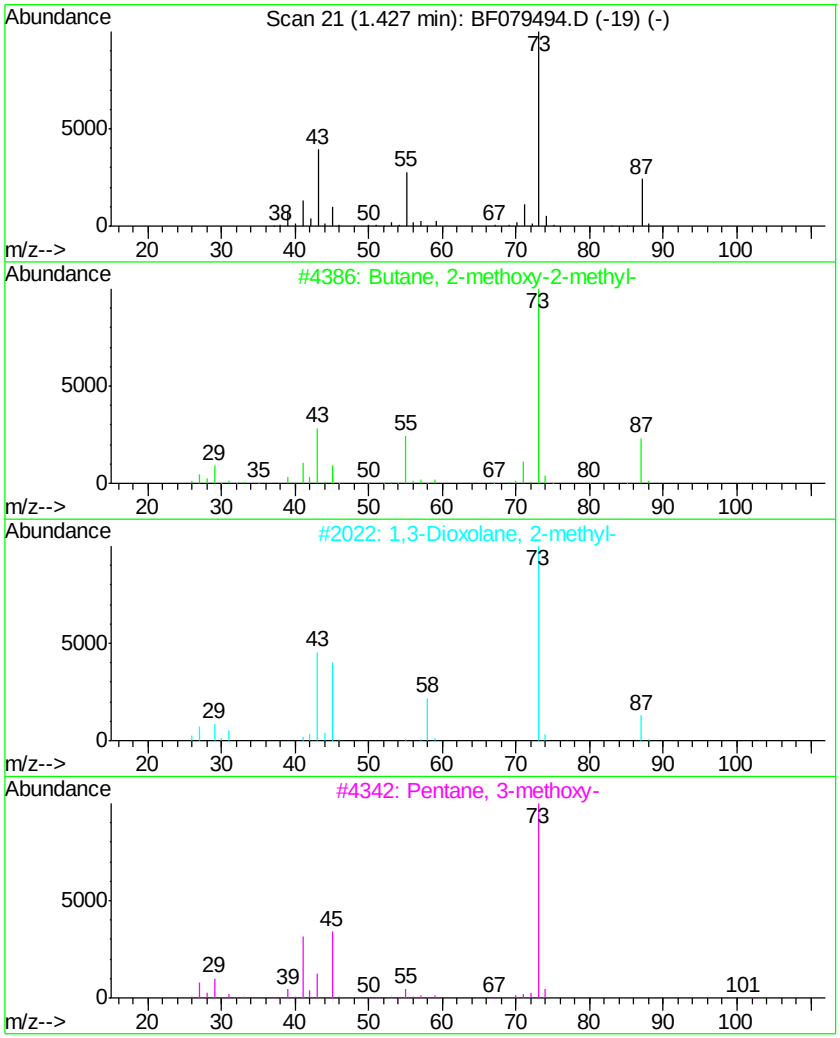
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

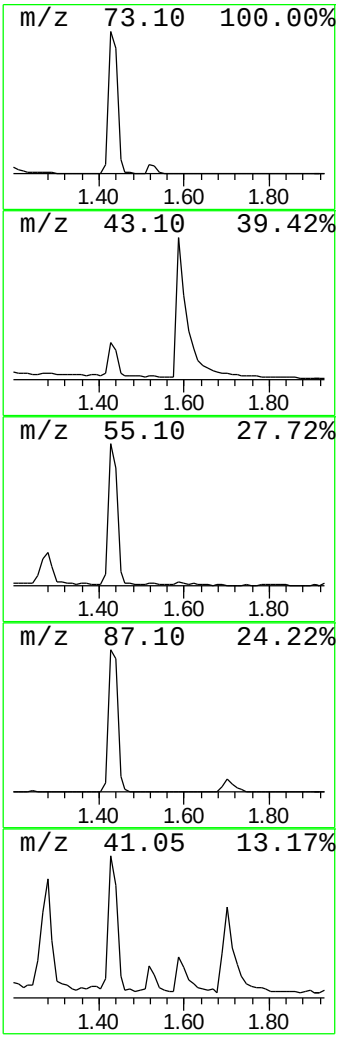
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.43	17.71 ng	429069	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	83
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





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Data File : BF079494.D
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Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

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

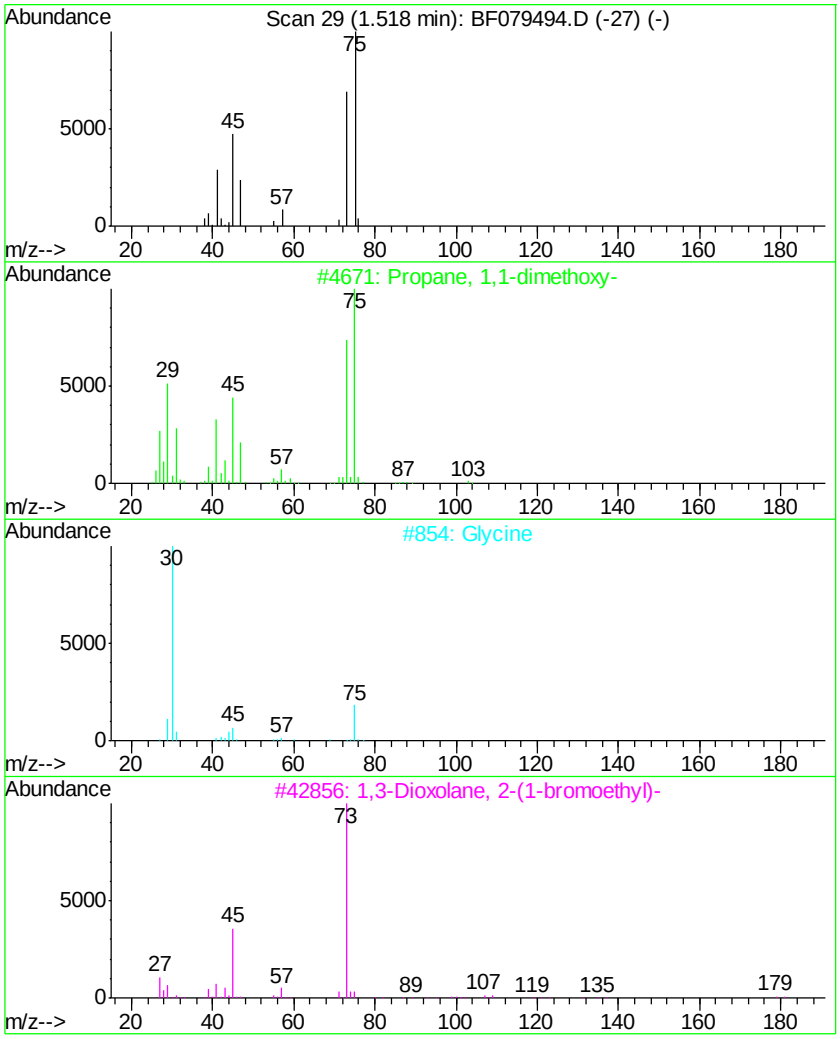
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

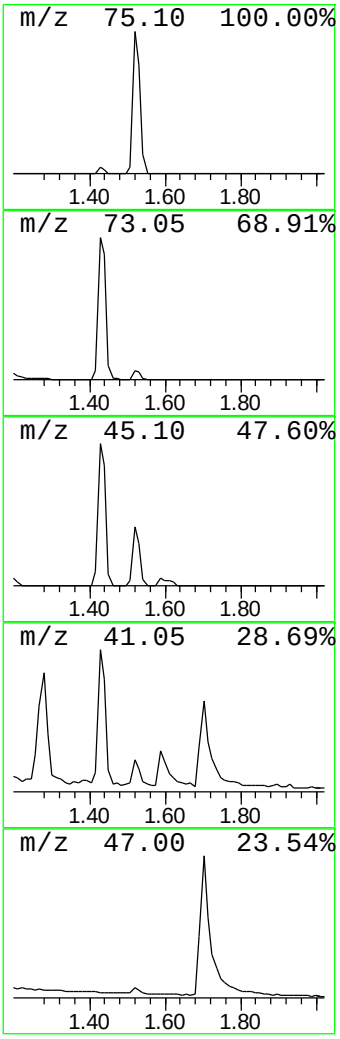
****

Peak Number 3 Propane, 1,1-dimethoxy- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.52	2.36 ng	57207	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	78
2	Glycine	75	C2H5NO2	000056-40-6	5
3	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	4
4	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	4
5	Hydrazinecarboxamide	75	CH5N3O	000057-56-7	3





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Sample : G2289-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

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

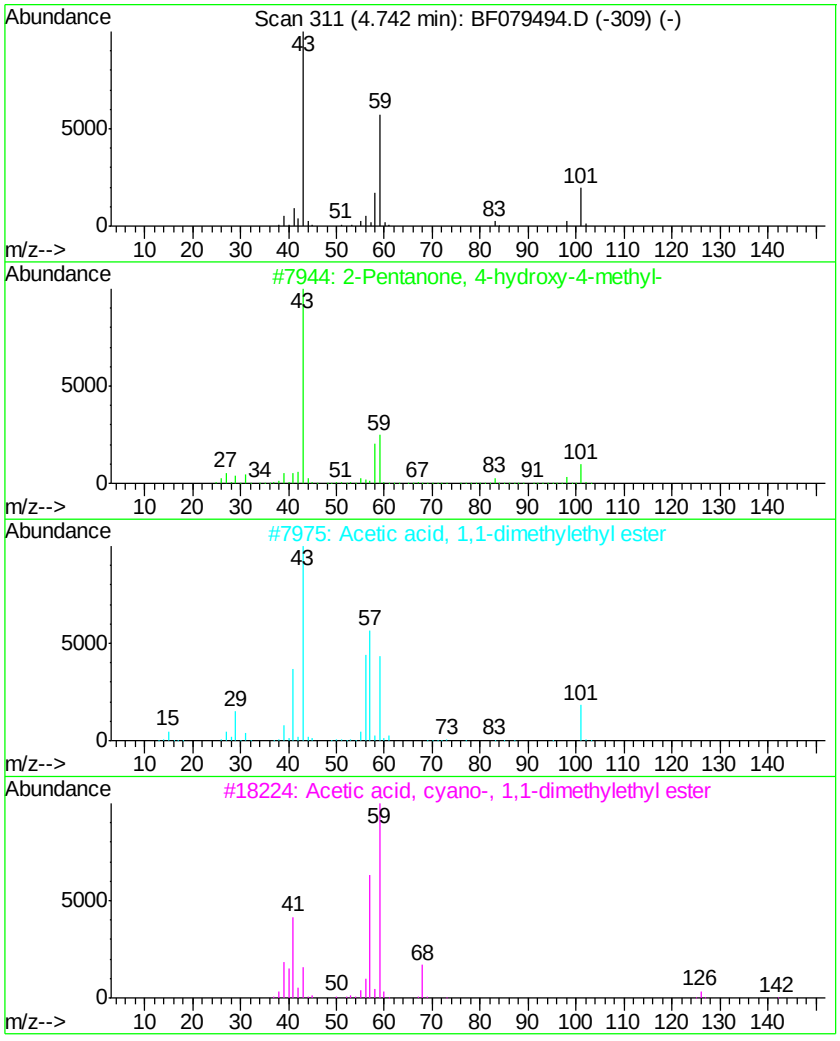
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

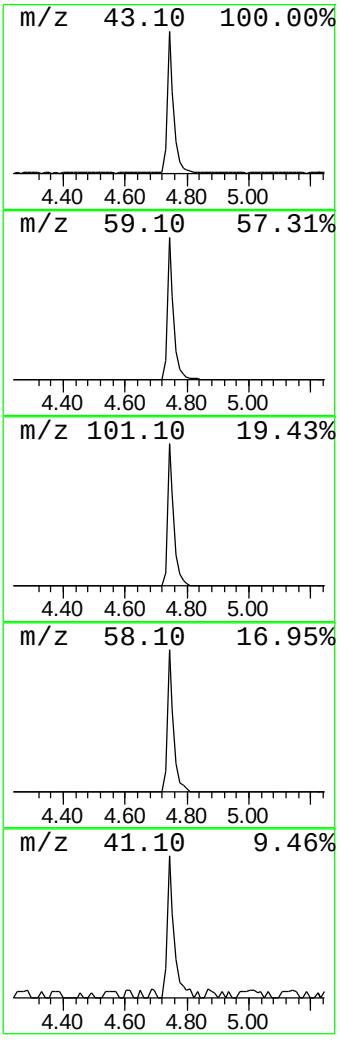
****

Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.74	11.37 ng	275341	1,4-Dichlorobenzene-d4	7.02

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	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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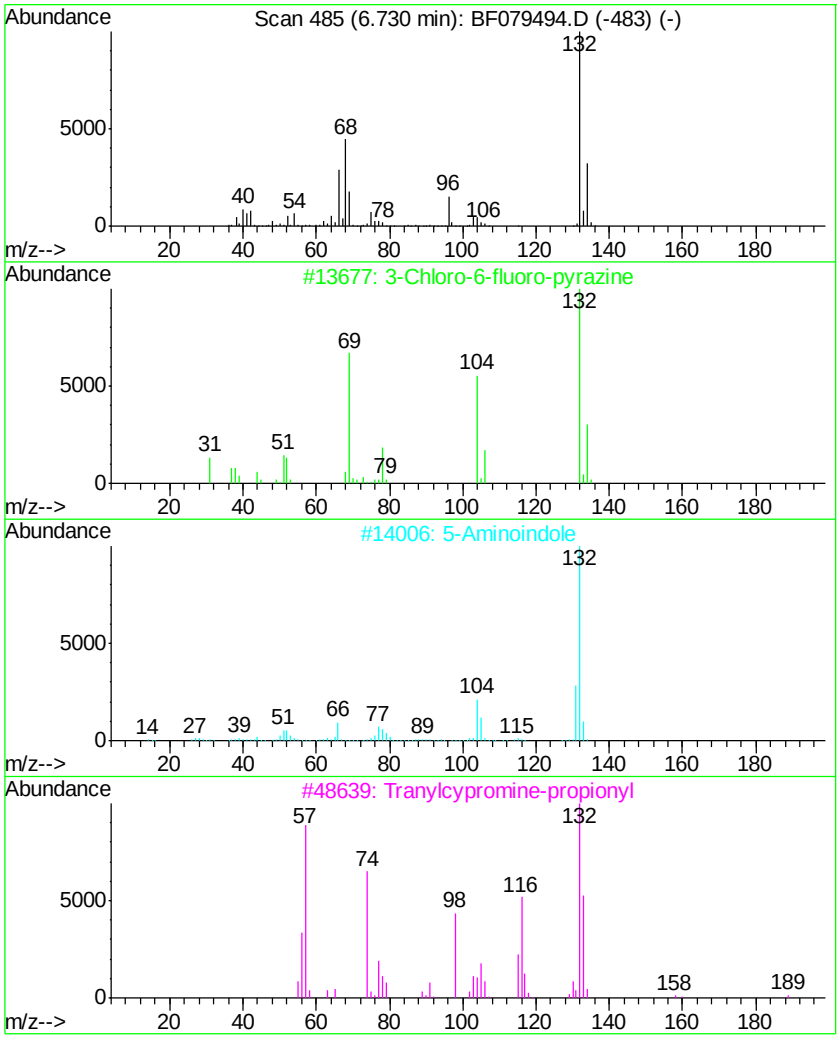
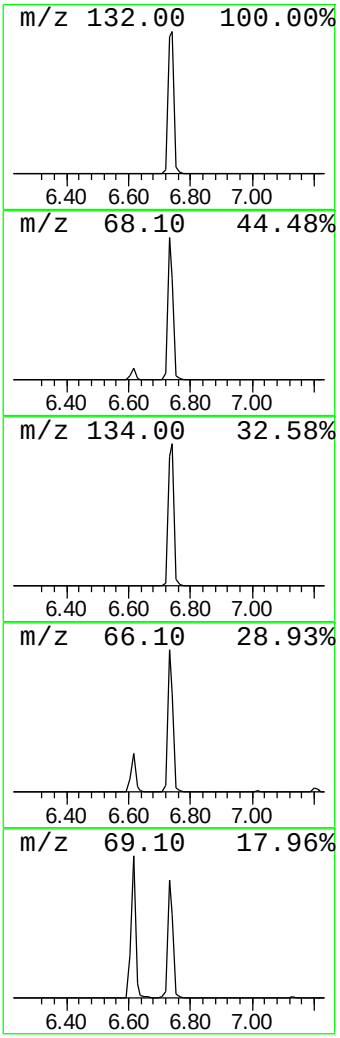
****

Peak Number 7 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	111.11 ng	2691630	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	35
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	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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

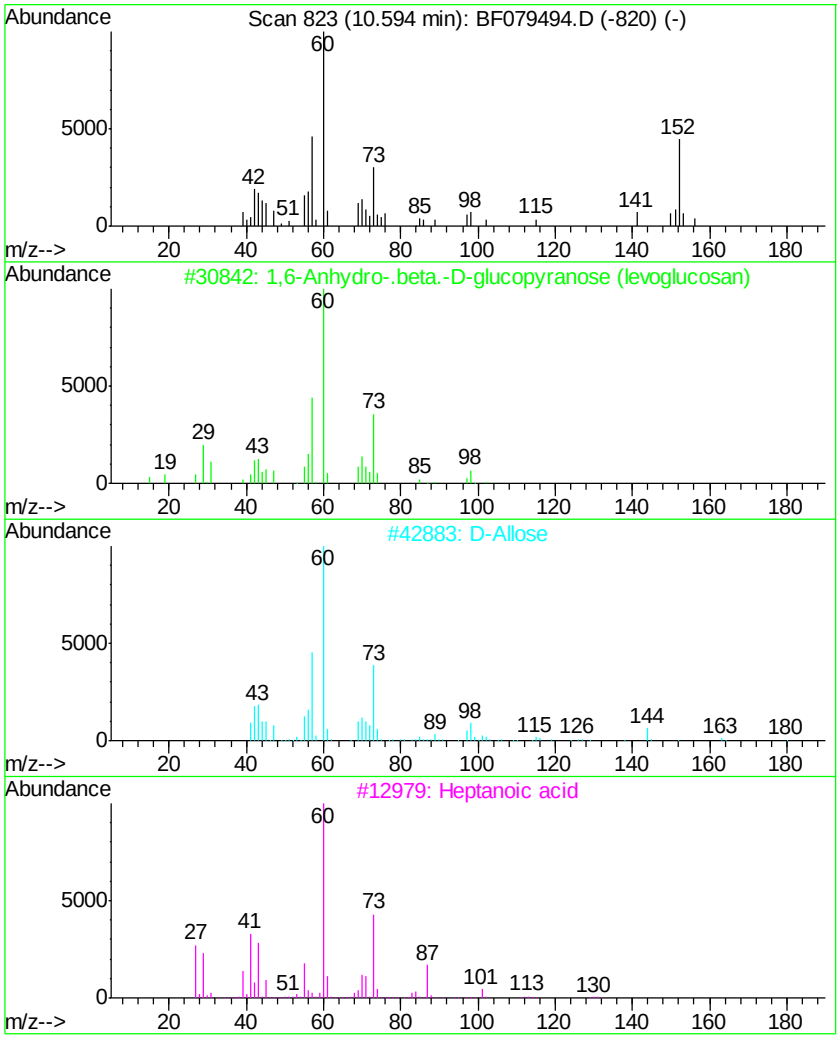
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

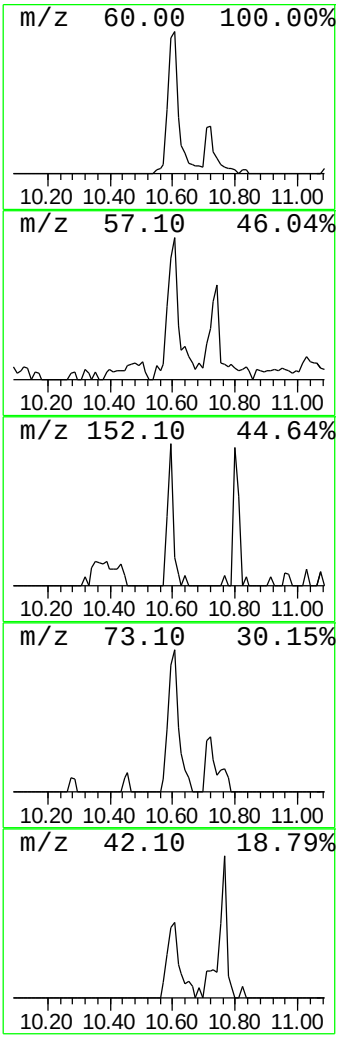
****

Peak Number 8 unknown10.59 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	3.20 ng	125004	Acenaphthene-d10	10.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Anhydro-.beta.-D-glucopyrano...	162	C6H10O5	000498-07-7	49
2	D-Allose	180	C6H12O6	002595-97-3	49
3	Heptanoic acid	130	C7H14O2	000111-14-8	43
4	Pentanoic acid	102	C5H10O2	000109-52-4	37
5	Ethyl .beta.-d-riboside	178	C7H14O5	1000126-95-4	37





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

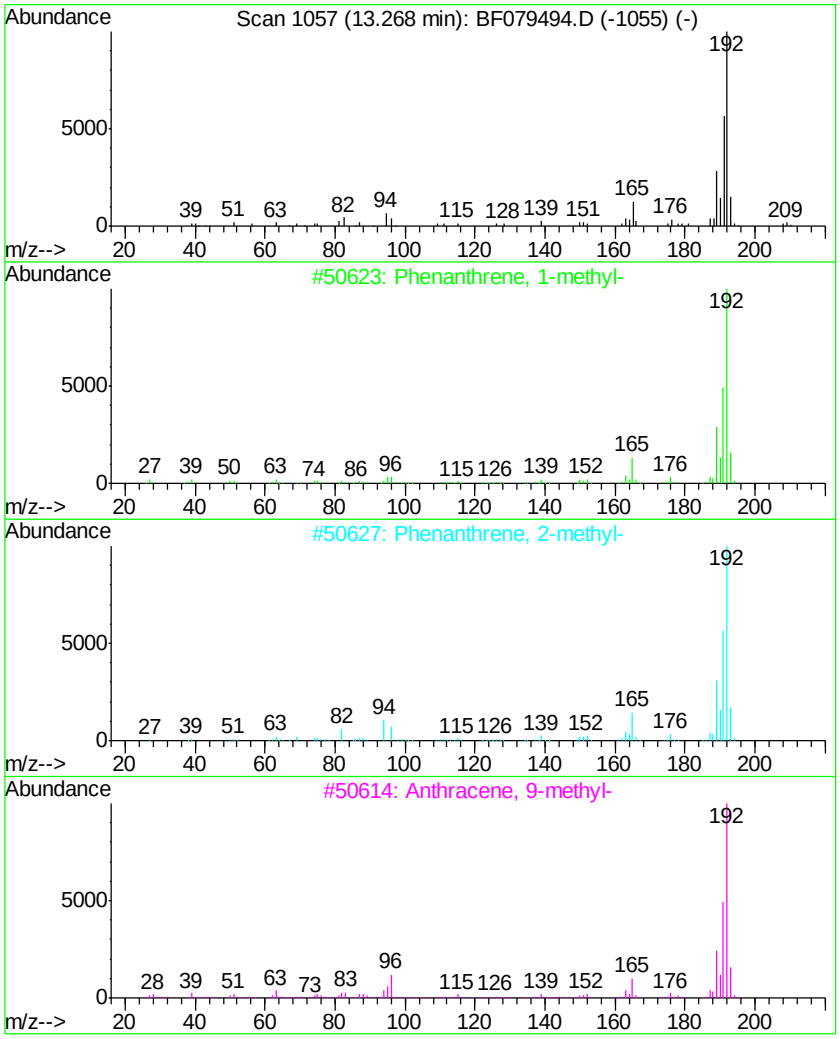
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

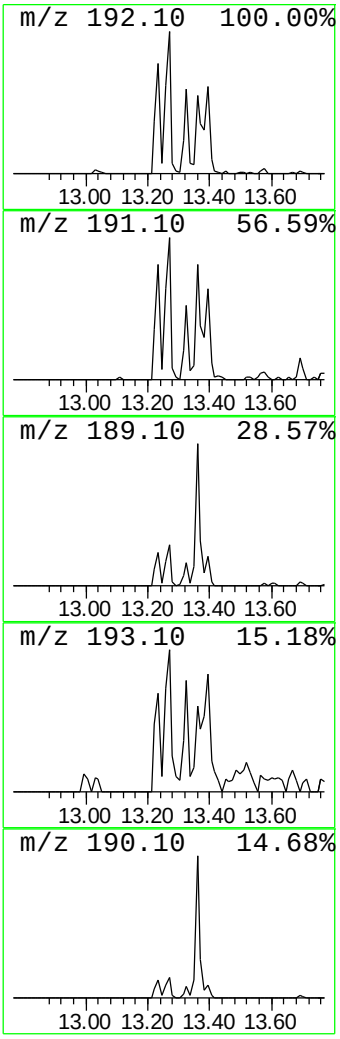
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.77 ng	117898	Phenanthrene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Data File : BF079494.D
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Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

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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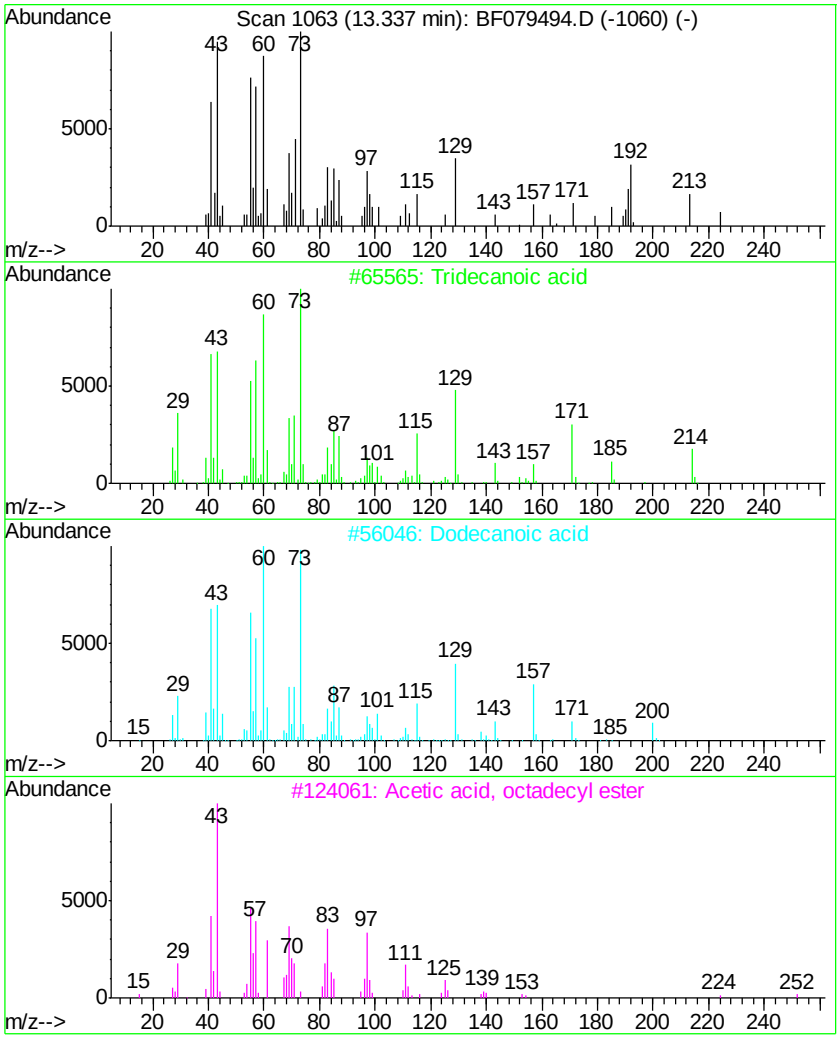
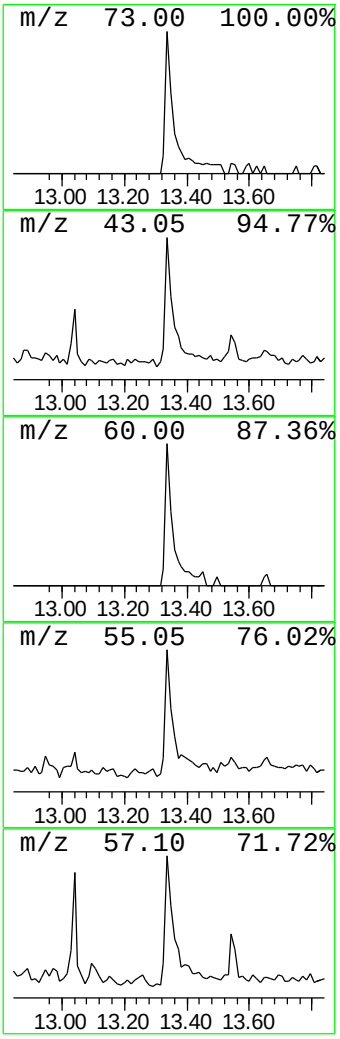
Peak Number 10 Tridecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	3.32 ng	141616	Phenanthrene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	64
2	Dodecanoic acid	200	C12H24O2	000143-07-7	47
3	Acetic acid, octadecyl ester	312	C20H40O2	000822-23-1	15
4	tert-Hexadecanethiol	258	C16H34S	025360-09-2	11
5	1-Hexadecanol, acetate	284	C18H36O2	000629-70-9	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079494.D
Acq On : 27 May 2015 00:58
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

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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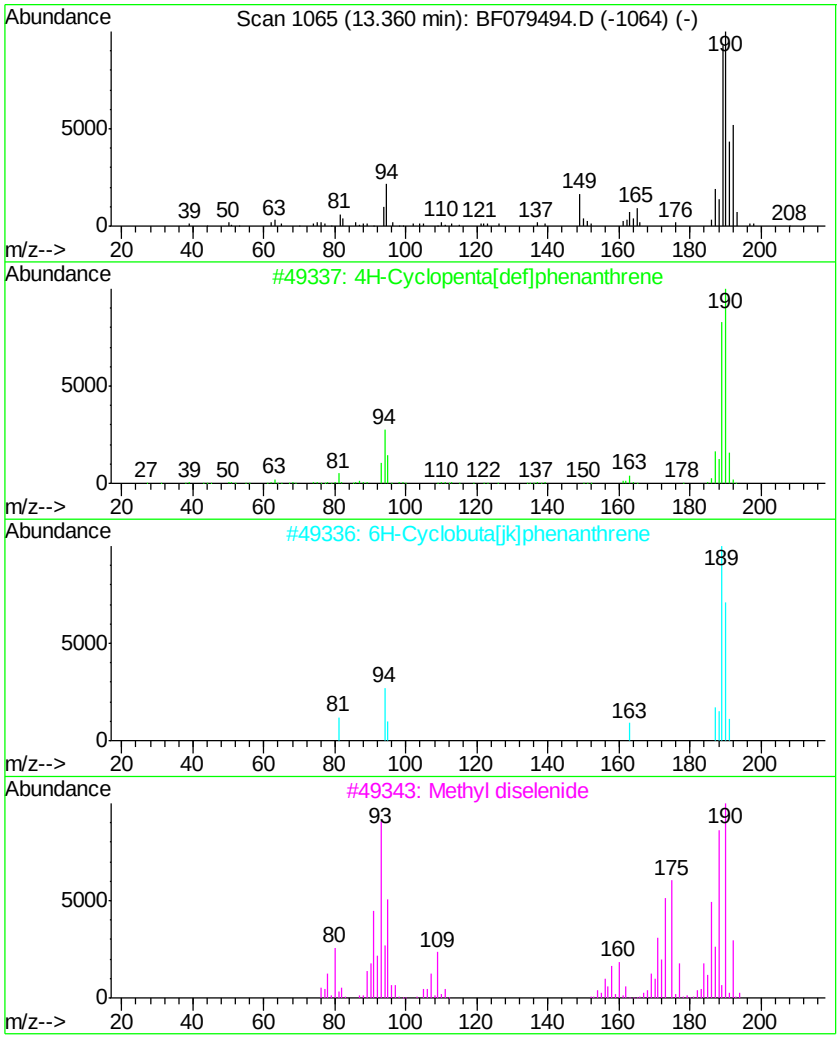
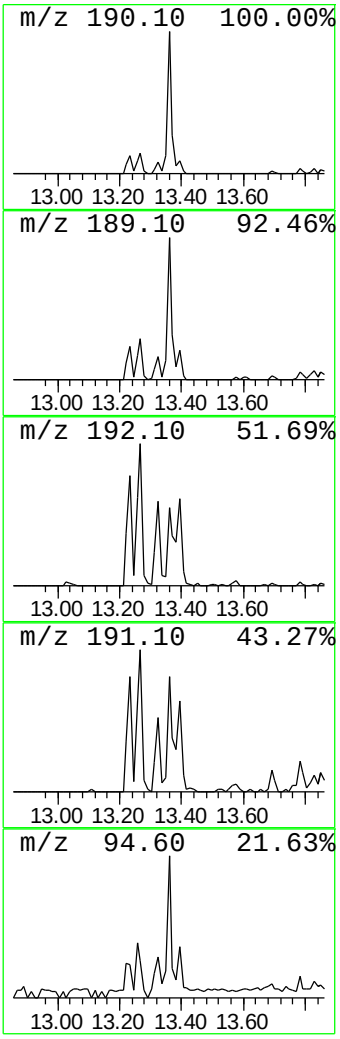
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	4.36 ng	185972	Phenanthrene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
3	Methyl diselenide	190	C2H6Se2	007101-31-7	41
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	14
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	14





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
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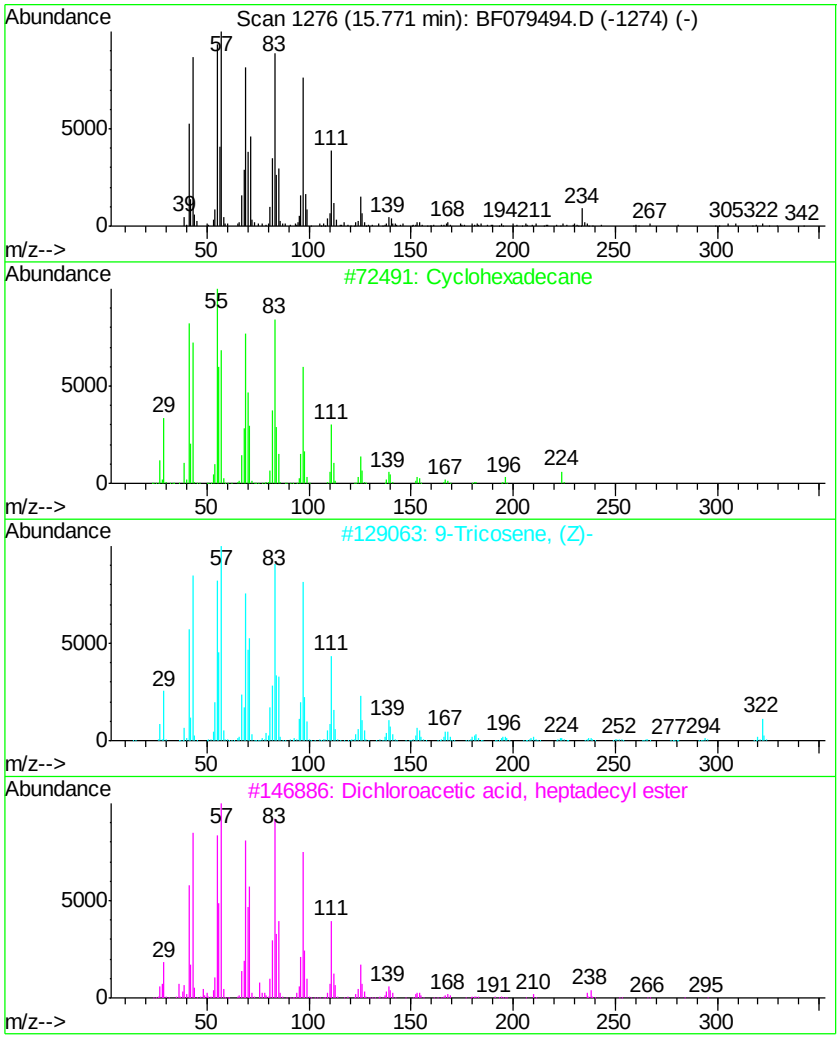
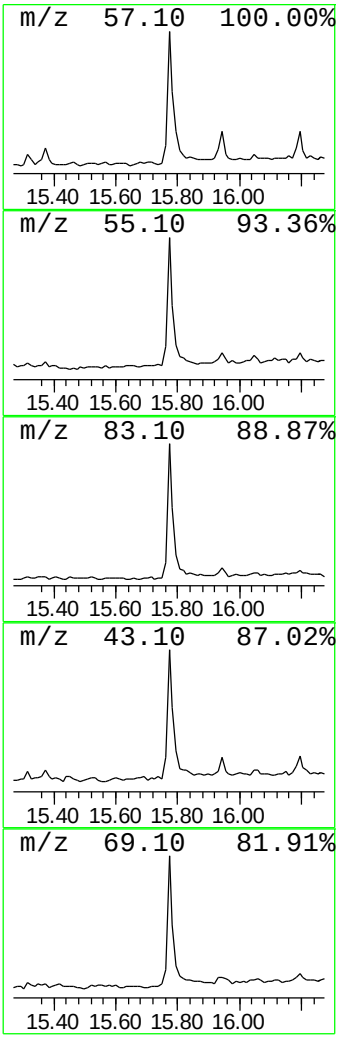
Peak Number 13 Cyclohexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	4.64 ng	408172	Chrysene-d12	15.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	9-Tricosene, (Z)-	322	C23H46	027519-02-4	94
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
5	1-Tricosene	322	C23H46	018835-32-0	93





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Sample : G2289-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
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TIC Library : C:\DATABASE\NIST02.L
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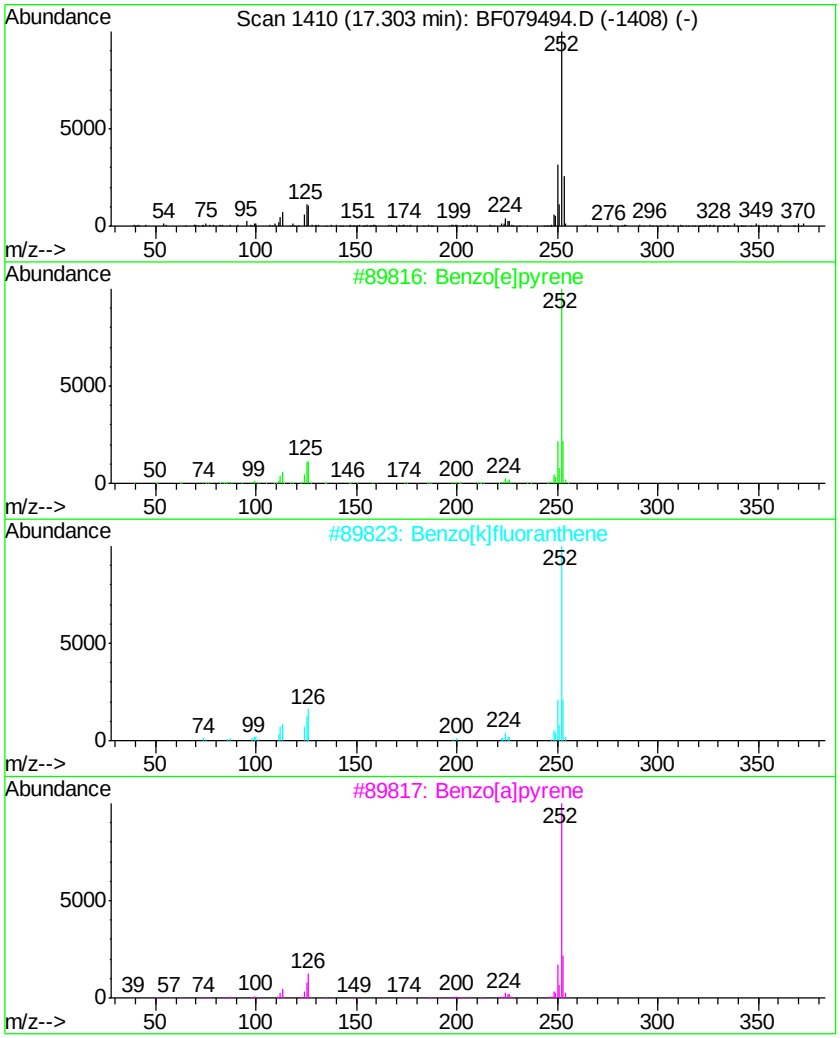
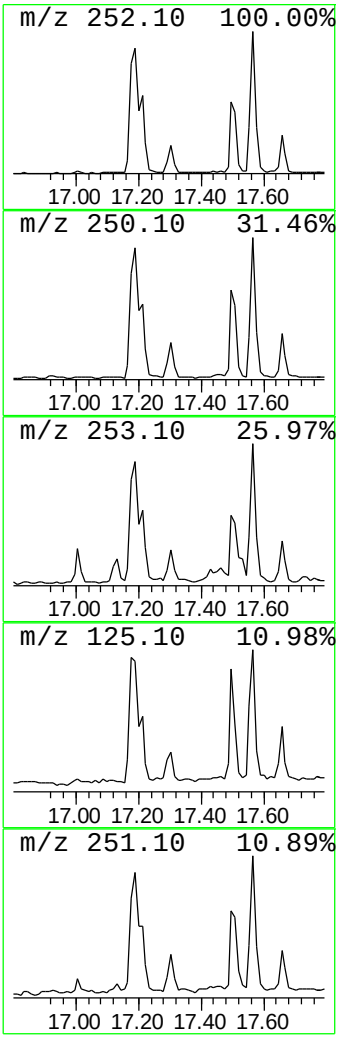
Peak Number 14 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	2.24 ng	106797	Perylene-d12	17.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : SB-31S

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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
Butane, 2-methoxy...	1.43	17.7	ng	429069	1	7.02	484521	20.0
Propane, 1,1-dime...	1.52	2.4	ng	57207	1	7.02	484521	20.0
2-Pentanone, 4-hy...	4.74	11.4	ng	275341	1	7.02	484521	20.0
unknown6.73	6.73	111.1	ng	2691630	1	7.02	484521	20.0
unknown10.59	10.59	3.2	ng	125004	3	10.77	782190	20.0
Phenanthrene, 1-m...	13.27	2.8	ng	117898	4	12.61	852651	20.0
Tridecanoic acid	13.34	3.3	ng	141616	4	12.61	852651	20.0
4H-Cyclopenta[def...	13.36	4.4	ng	185972	4	12.61	852651	20.0
Cyclohexadecane	15.77	4.6	ng	408172	5	15.89	1760320	20.0
Benzo[e]pyrene	17.30	2.2	ng	106797	6	17.63	954052	20.0