LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087808.D
Acq On : 8 Jun 2016 14:22
Operator : UM/SJ
Sample : H3379-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-12

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-BF060716.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	1.644	3	5	8	rVB	3084529	4555104	100.00%	13.861%
2	1.758	13	15	24	rVV	153008	337425	7.41%	1.027%
3	1.884	24	26	39	rVB	1596909	2377407	52.19%	7.234%
4	2.044	39	40	56	rVB2	60879	176080	3.87%	0.536%
5	4.993	296	298	302	rBV	108974	127570	2.80%	0.388%
6	5.416	332	335	337	rBV	1443285	1345068	29.53%	4.093%
7	6.456	423	426	428	rBV	1513073	1512247	33.20%	4.602%
8	6.593	435	438	440	rBV	1463458	1540355	33.82%	4.687%
9	6.822	456	458	461	rBV	675094	569182	12.50%	1.732%
10	6.982	469	472	474	rVB	1346162	1188909	26.10%	3.618%
11	7.382	505	507	510	rBV	765905	868650	19.07%	2.643%
12	8.113	568	571	573	rBV	782044	849949	18.66%	2.586%
13	9.188	663	665	668	rVB	1522640	1654487	36.32%	5.034%
14	9.588	698	700	702	rBV	285287	224343	4.93%	0.683%
15	9.873	722	725	726	rBV	828634	934323	20.51%	2.843%
16	9.896	726	727	729	rVB	89262	81937	1.80%	0.249%
17	10.411	771	772	775	rVB	84369	79698	1.75%	0.243%
18	10.651	791	793	796	rBV2	764940	1058723	23.24%	3.222%
19	10.788	802	805	809	rBV	42911	61444	1.35%	0.187%
20	11.233	840	844	850	rBV2	56367	130187	2.86%	0.396%
21	11.359	852	855	858	rBV	675029	1609991	35.34%	4.899%
22	11.428	858	861	863	rVB	217035	190458	4.18%	0.580%
23	11.576	871	874	876	rBV2	47917	73896	1.62%	0.225%
24	11.851	896	898	899	rBV	80940	83533	1.83%	0.254%
25	11.885	899	901	903	rVV	112480	113409	2.49%	0.345%
26	11.931	903	905	906	rVV	54522	54543	1.20%	0.166%
27	11.965	906	908	912	rVB2	191240	255373	5.61%	0.777%
28	12.148	922	924	928	rVB2	94016	154632	3.39%	0.471%
29	12.308	935	938	940	rBV	868105	809826	17.78%	2.464%
30	12.399	943	946	948	rBV	45472	78630	1.73%	0.239%
31	12.456	948	951	952	rVV3	34100	76515	1.68%	0.233%
32	12.491	952	954	957	rVB2	32068	49740	1.09%	0.151%
33	12.571	958	961	963	rVB	722008	921857	20.24%	2.805%
34	12.616	963	965	968	rBV2	66923	83393	1.83%	0.254%

LSC Area Percent Report

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Instrument : BNA_F
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Integration Parameters: rteint.p
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Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.708	970	973	977	rBV3	24238	70187	1.54%	0.214%
36	12.788	977	980	983	rBV2	643220	1052835	23.11%	3.204%
37	12.857	983	986	989	rVB3	55946	100141	2.20%	0.305%
38	12.914	989	991	992	rBV	63316	83834	1.84%	0.255%
39	12.948	992	994	996	rVB	1552611	1630635	35.80%	4.962%
40	13.017	996	1000	1001	rBV2	52354	77520	1.70%	0.236%
41	13.074	1004	1005	1008	rBV2	90863	173053	3.80%	0.527%
42	13.119	1008	1009	1013	rVB	109956	106264	2.33%	0.323%
43	13.188	1013	1015	1016	rBV	117837	94245	2.07%	0.287%
44	13.222	1016	1018	1022	rVB2	114183	155516	3.41%	0.473%
45	13.405	1033	1034	1039	rVB4	31164	56295	1.24%	0.171%
46	13.485	1039	1041	1043	rBV	82949	88702	1.95%	0.270%
47	13.622	1050	1053	1056	rBV2	49530	79954	1.76%	0.243%
48	13.737	1060	1063	1064	rBV	64295	86411	1.90%	0.263%
49	13.771	1064	1066	1068	rVV2	57094	104496	2.29%	0.318%
50	13.862	1072	1074	1077	rVV2	42022	61208	1.34%	0.186%
51	13.988	1081	1085	1091	rBV2	832900	1497072	32.87%	4.555%
52	14.091	1092	1094	1096	rVB	56842	56177	1.23%	0.171%
53	14.377	1117	1119	1120	rBV	59319	58457	1.28%	0.178%
54	14.502	1128	1130	1133	rVB	33520	82205	1.80%	0.250%
55	15.005	1171	1174	1179	rBV	271203	594883	13.06%	1.810%
56	15.108	1182	1183	1185	rVV	77761	80715	1.77%	0.246%
57	15.291	1197	1199	1202	rVV	141671	228026	5.01%	0.694%
58	15.360	1202	1205	1207	rVV	222040	304686	6.69%	0.927%
59	15.417	1207	1210	1221	rVB2	451184	793501	17.42%	2.415%
60	15.897	1249	1252	1255	rBV3	20246	53294	1.17%	0.162%
61	16.091	1267	1269	1276	rVB4	22861	61496	1.35%	0.187%
62	16.651	1313	1318	1321	rBV3	26124	77989	1.71%	0.237%
63	16.800	1328	1331	1336	rVB2	112767	230492	5.06%	0.701%
64	16.983	1342	1347	1349	rBV2	26090	71294	1.57%	0.217%
65	17.223	1364	1368	1374	rVB	86896	190131	4.17%	0.579%
66	17.440	1385	1387	1394	rVB2	29609	74497	1.64%	0.227%
67	19.360	1548	1555	1563	rVB	40283	158443	3.48%	0.482%

Sum of corrected areas: 32863538

LSC Report - Integrated Chromatogram

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Misc :
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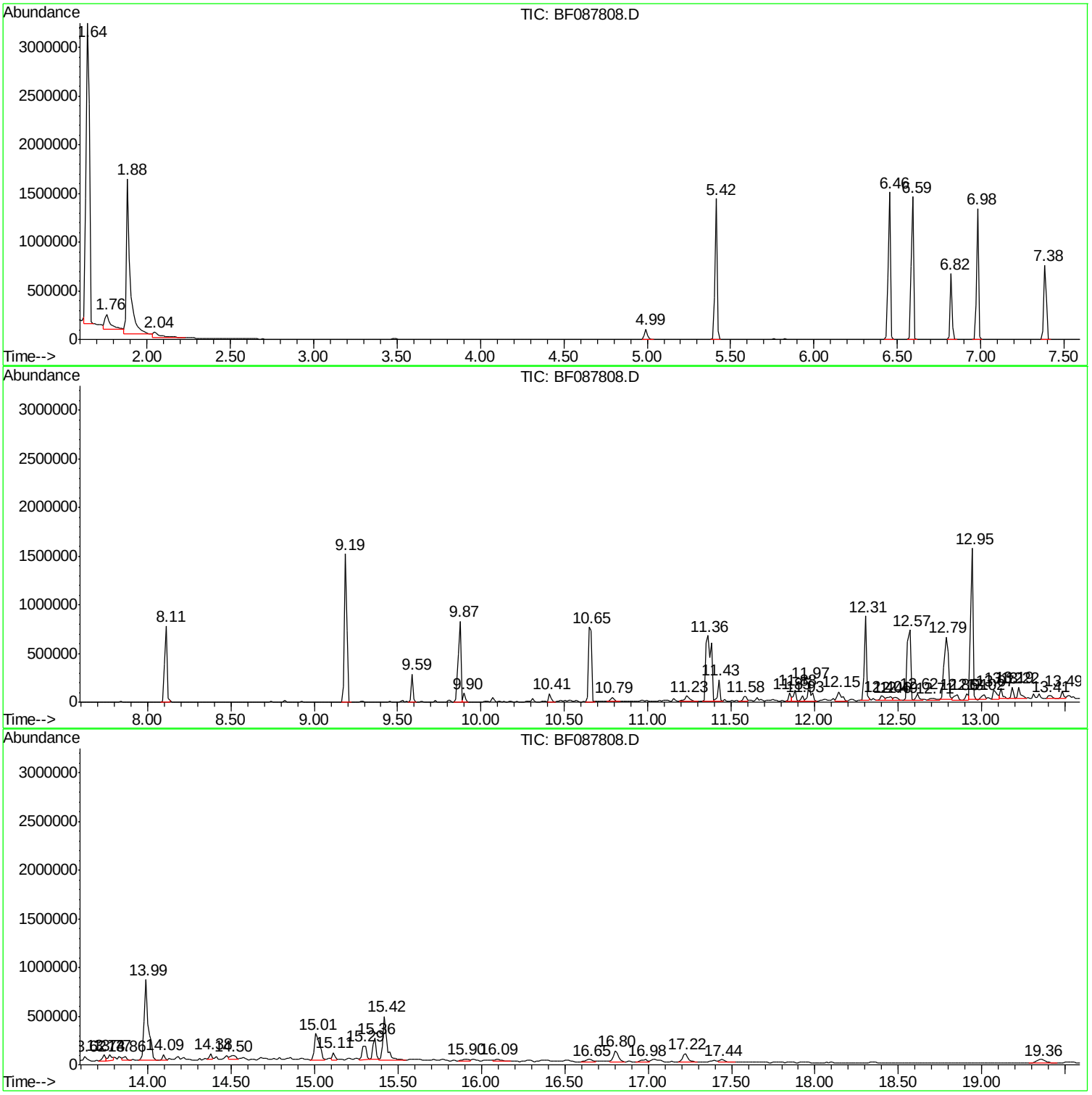
Instrument : BNA_F
ClientSampleId : SS-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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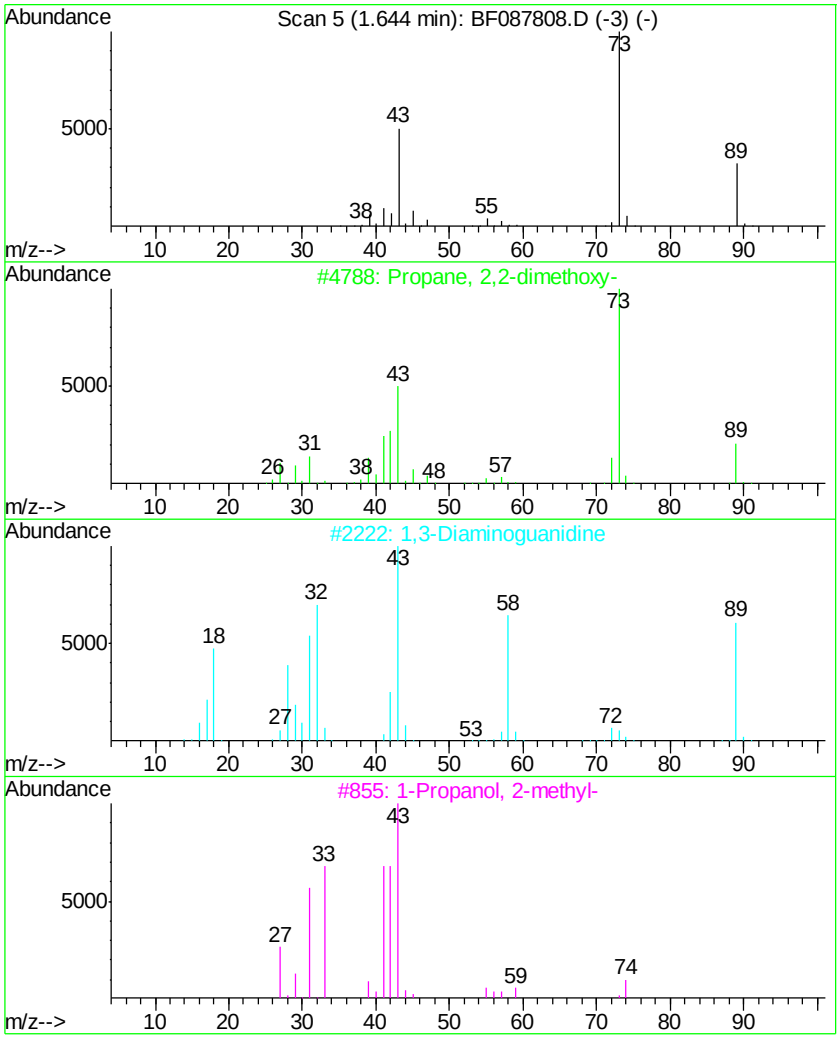
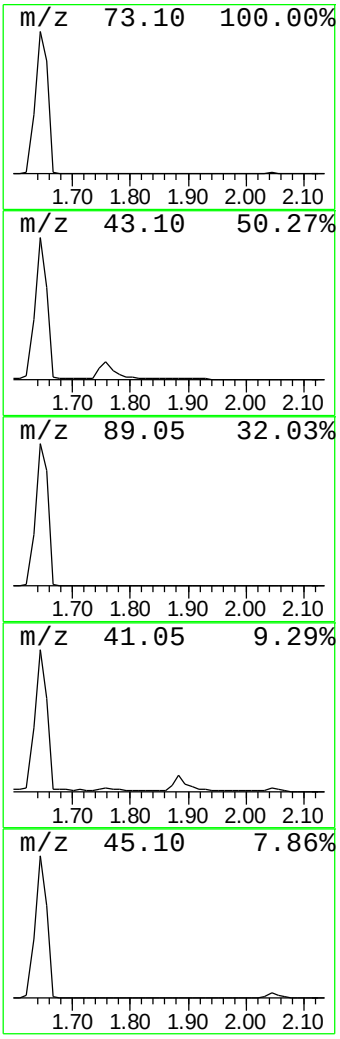
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.64	160.06 ng	4555100	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	50
2	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
3	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





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Operator : UM/SJ
Sample : H3379-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

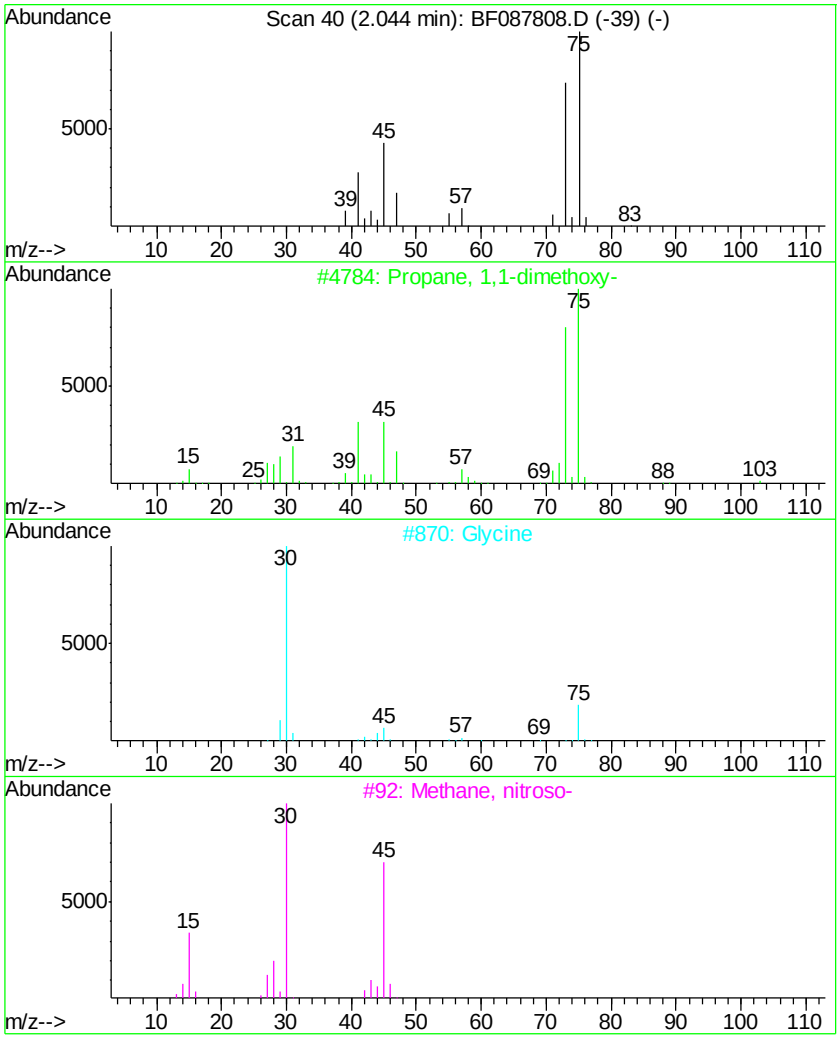
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

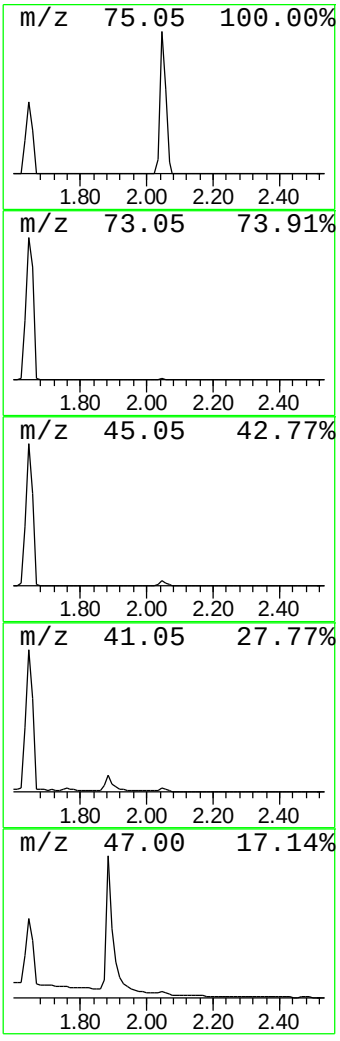
****

Peak Number 4 Propane, 1,1-dimethoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	6.19 ng	176080	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	64
2	Glycine	75	C2H5NO2	000056-40-6	9
3	Methane, nitroso-	45	CH3NO	000865-40-7	5
4	1-Butanamine	73	C4H11N	000109-73-9	5
5	1,3-Dioxolane	74	C3H6O2	000646-06-0	4





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Operator : UM/SJ
Sample : H3379-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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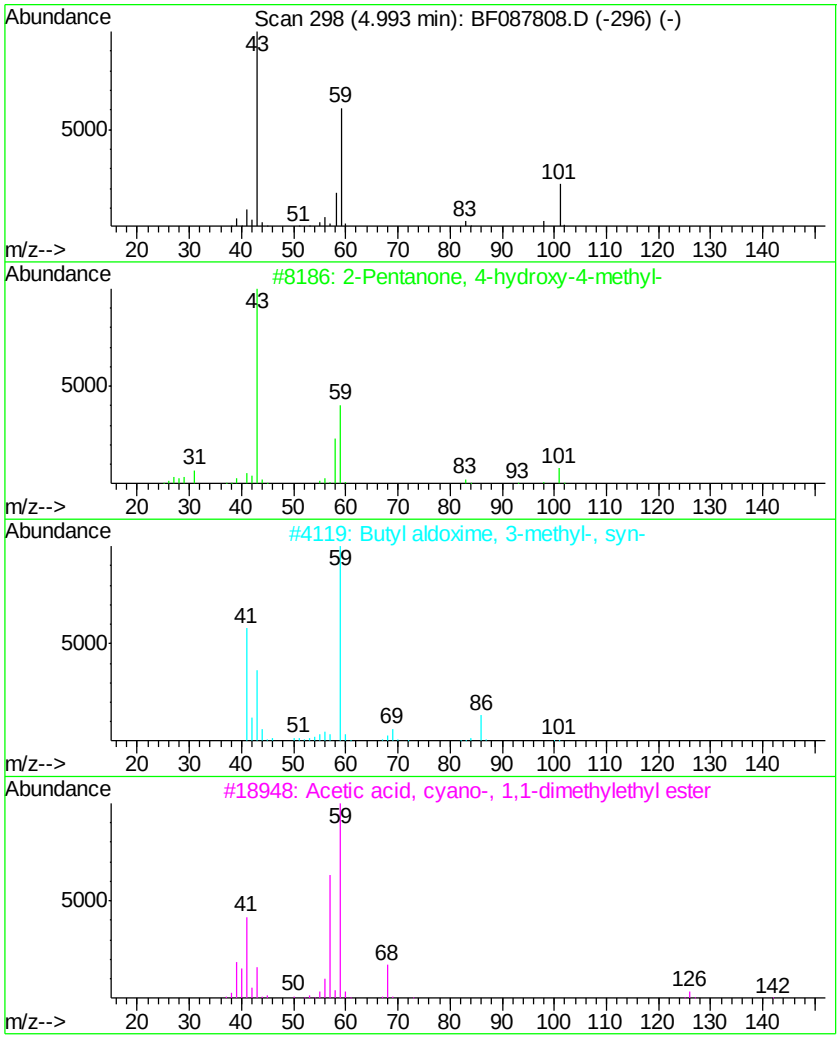
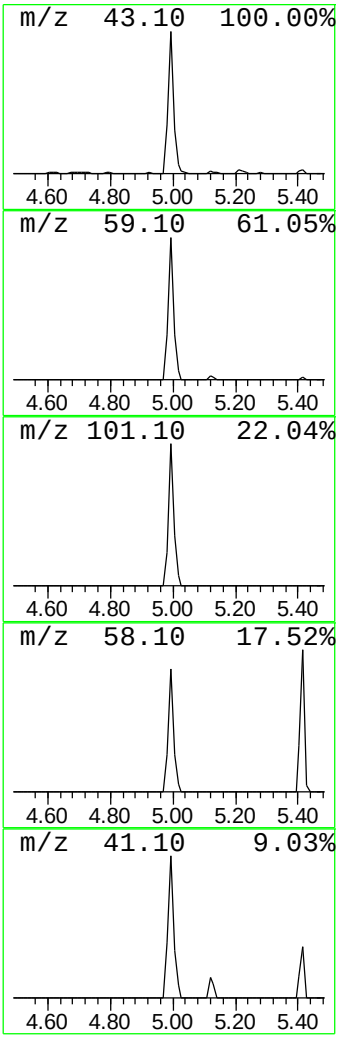
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	4.48 ng	127570	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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Instrument : BNA_F
ClientSampleId : SS-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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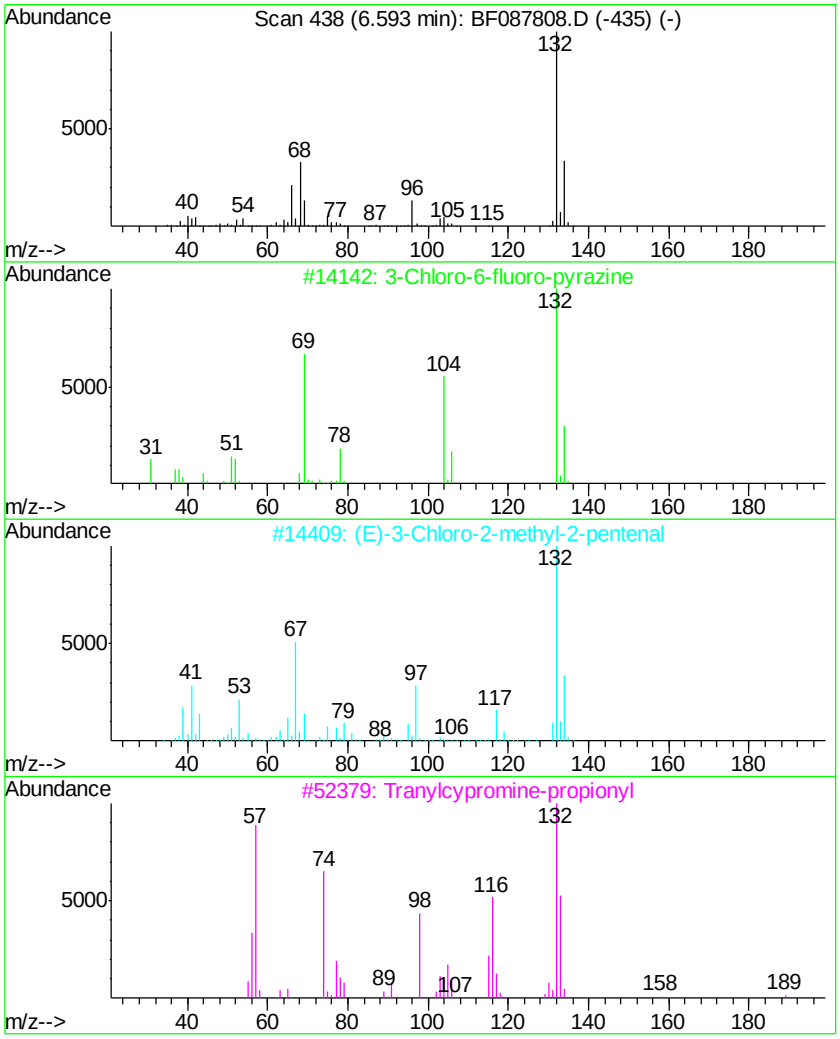
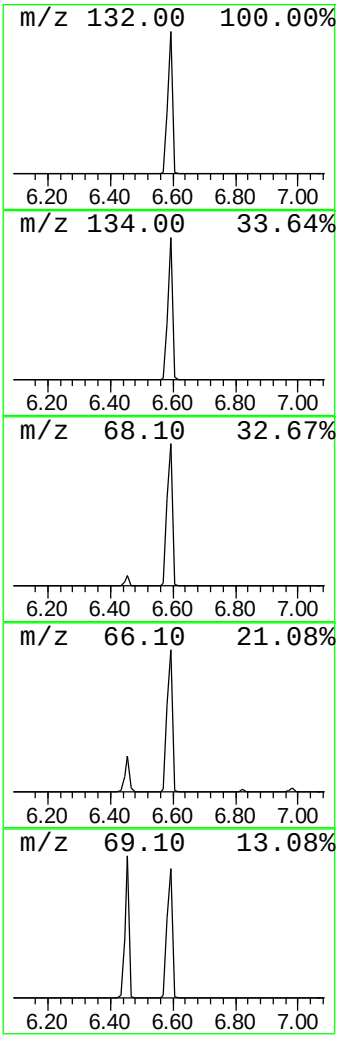
****

Peak Number 6 unknown6.59 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	54.13 ng	1540360	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

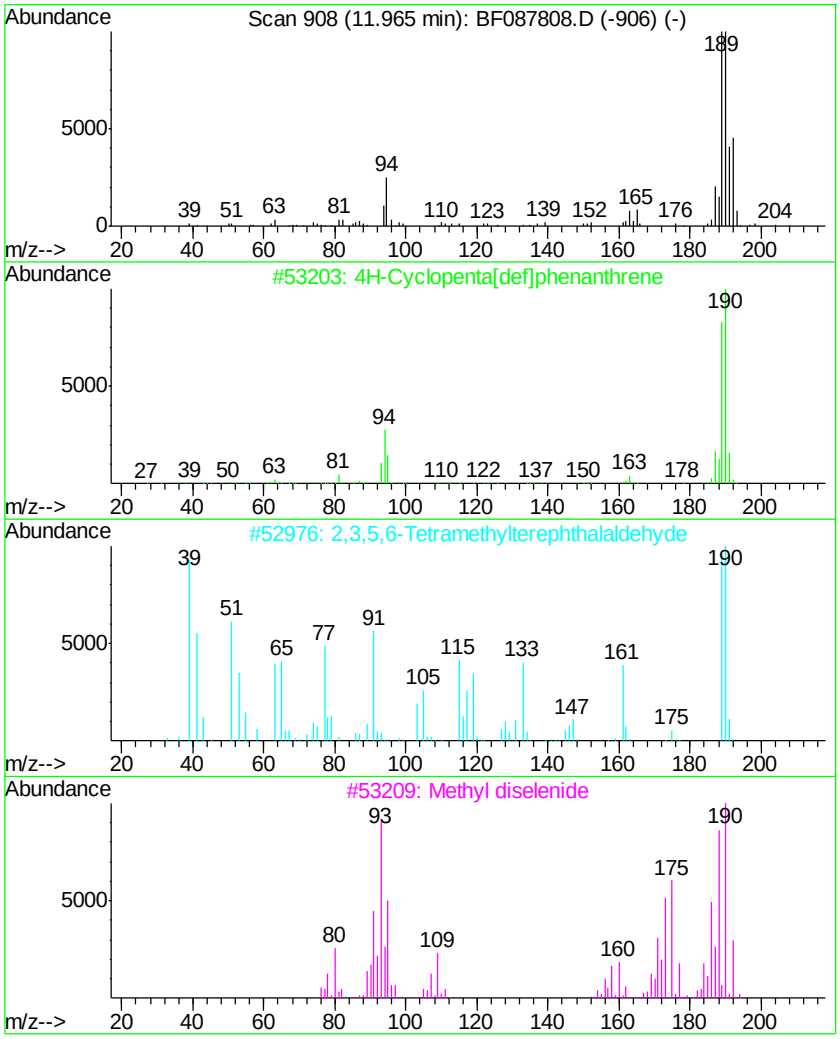
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

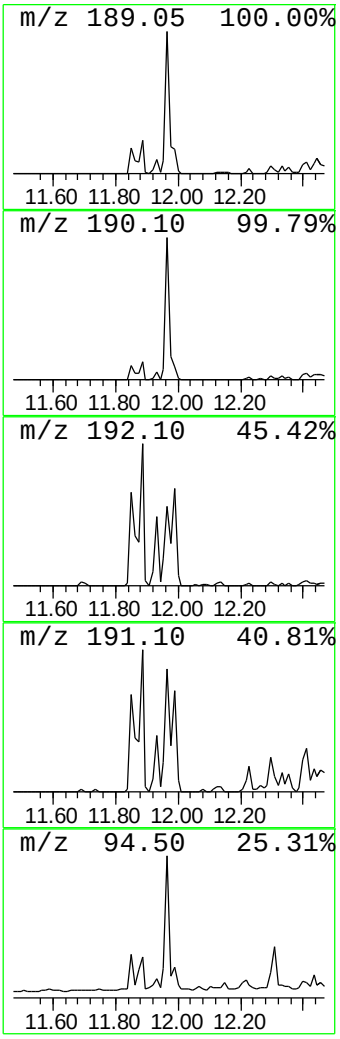
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	3.17 ng	255373	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





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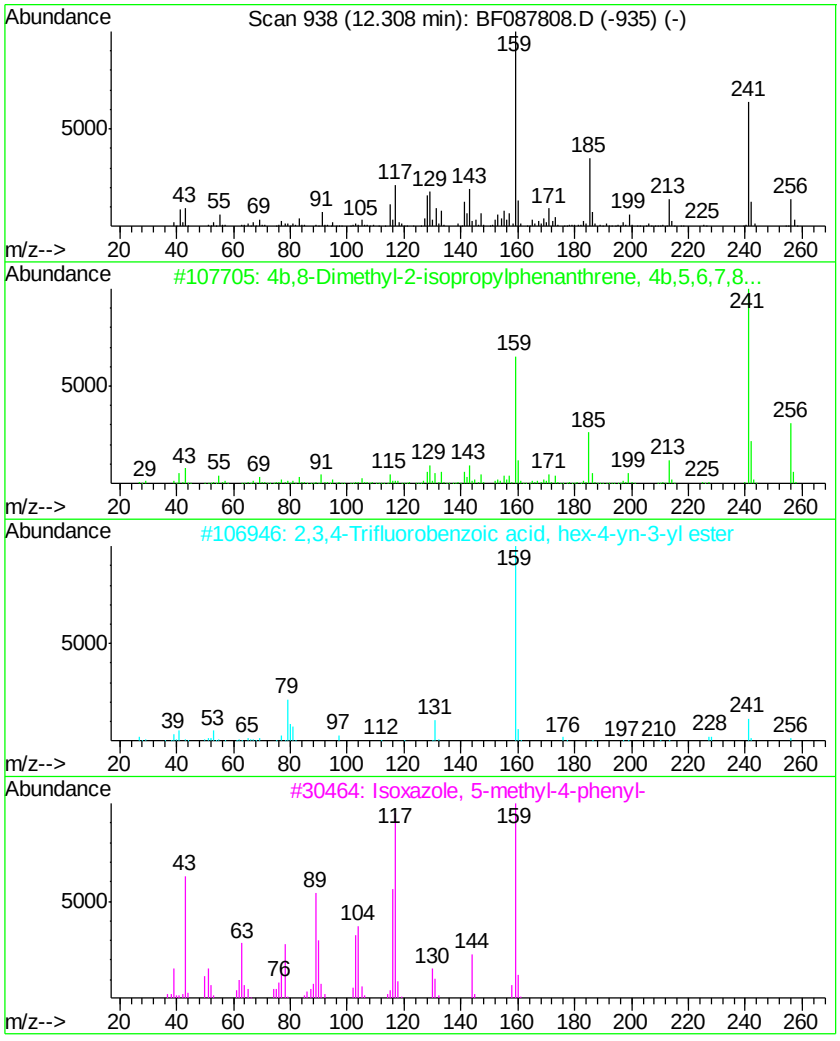
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

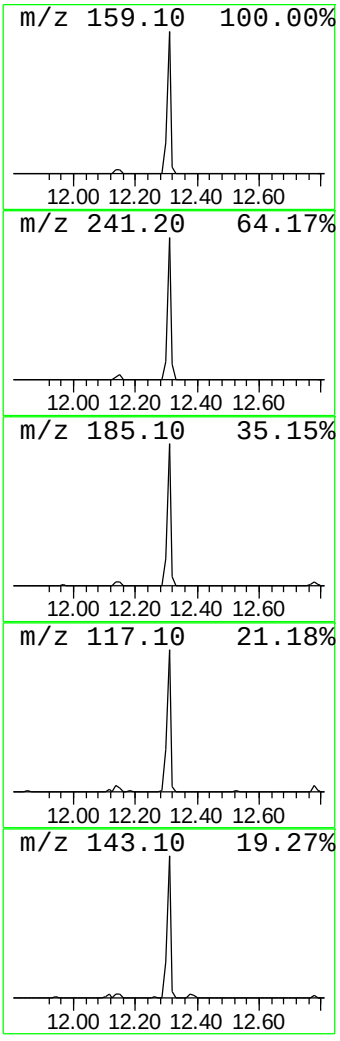
****

Peak Number 9 4b,8-Dimethyl-2-isopropylph... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	10.06 ng	809826	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2	2,3,4-Trifluorobenzoic acid, hex...	256	C13H11F3O2	1000292-55-4	47
3	Isoxazole, 5-methyl-4-phenyl-	159	C10H9NO	023253-49-8	38
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	35
5	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	35





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Operator : UM/SJ
Sample : H3379-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

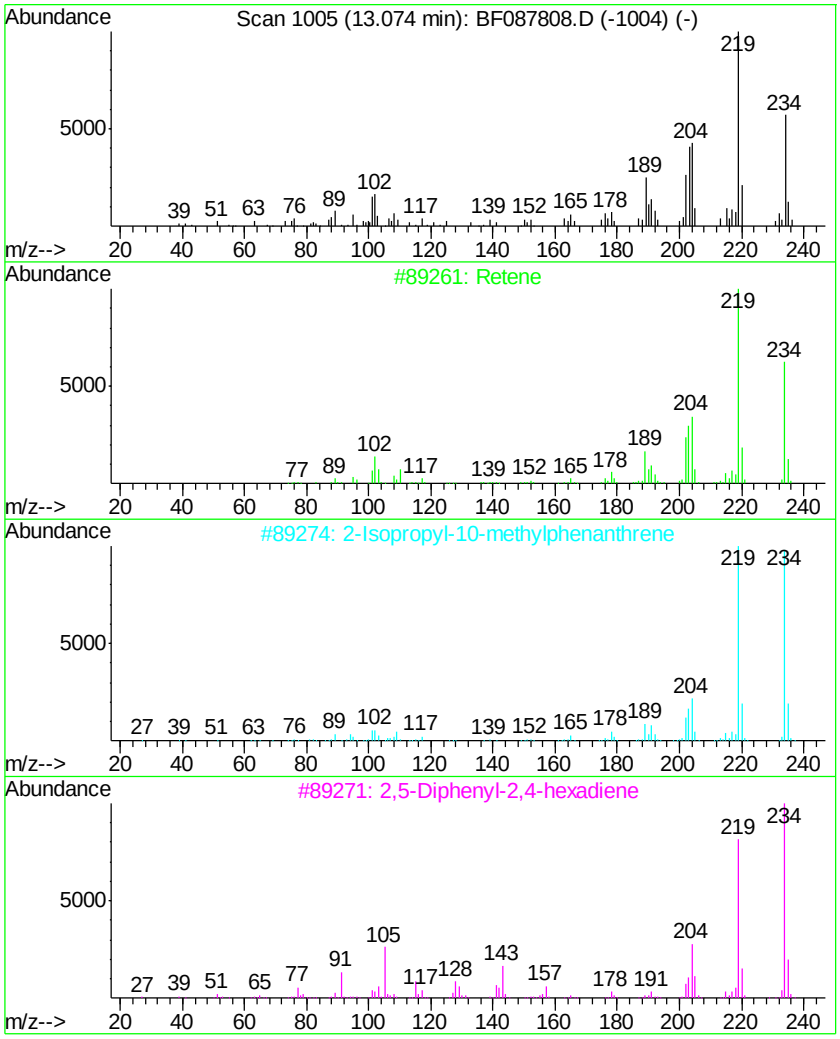
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

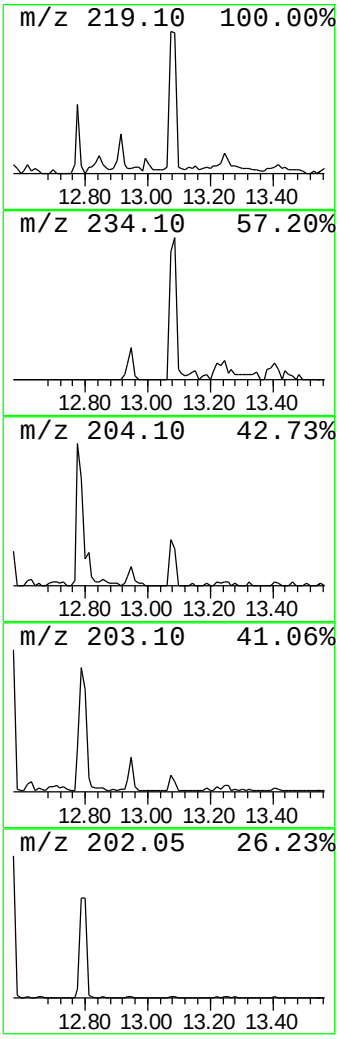
****

Peak Number 10 Retene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.31 ng	173053	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	91
3	2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	64
4	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	60
5	1-Phenyl-4-(3,5-dimethylphenyl)b...	234	C18H18	1000202-15-0	59





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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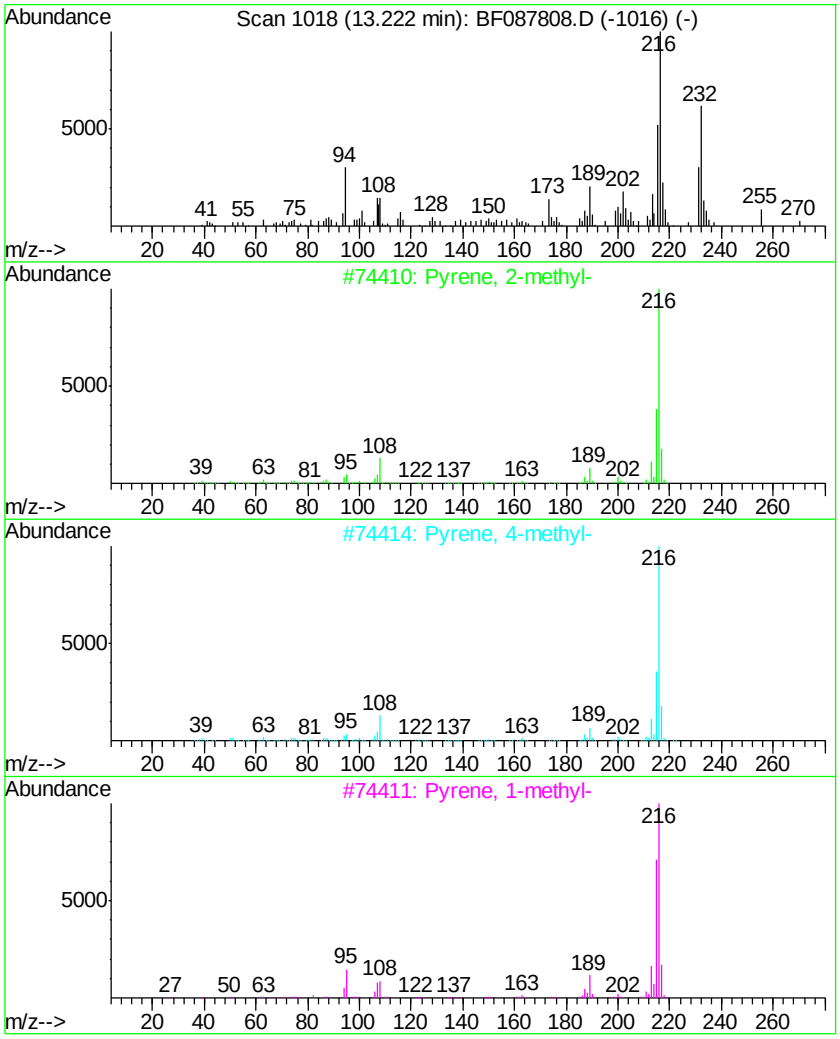
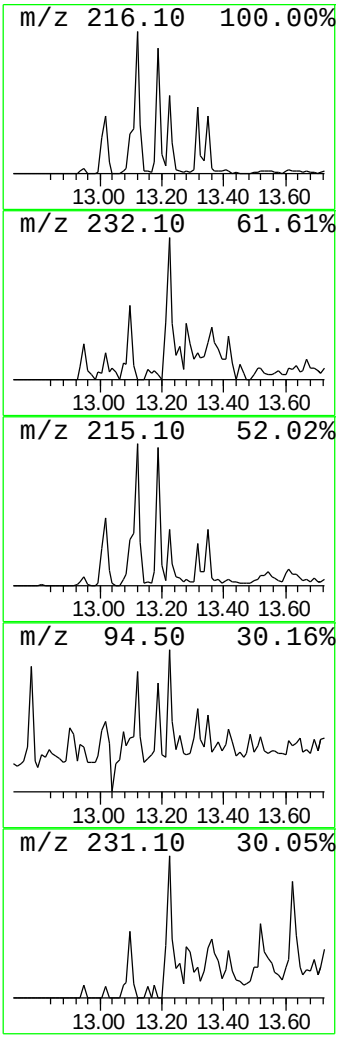
Peak Number 11 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.08 ng	155516	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	78
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	46
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087808.D
Acq On : 8 Jun 2016 14:22
Operator : UM/SJ
Sample : H3379-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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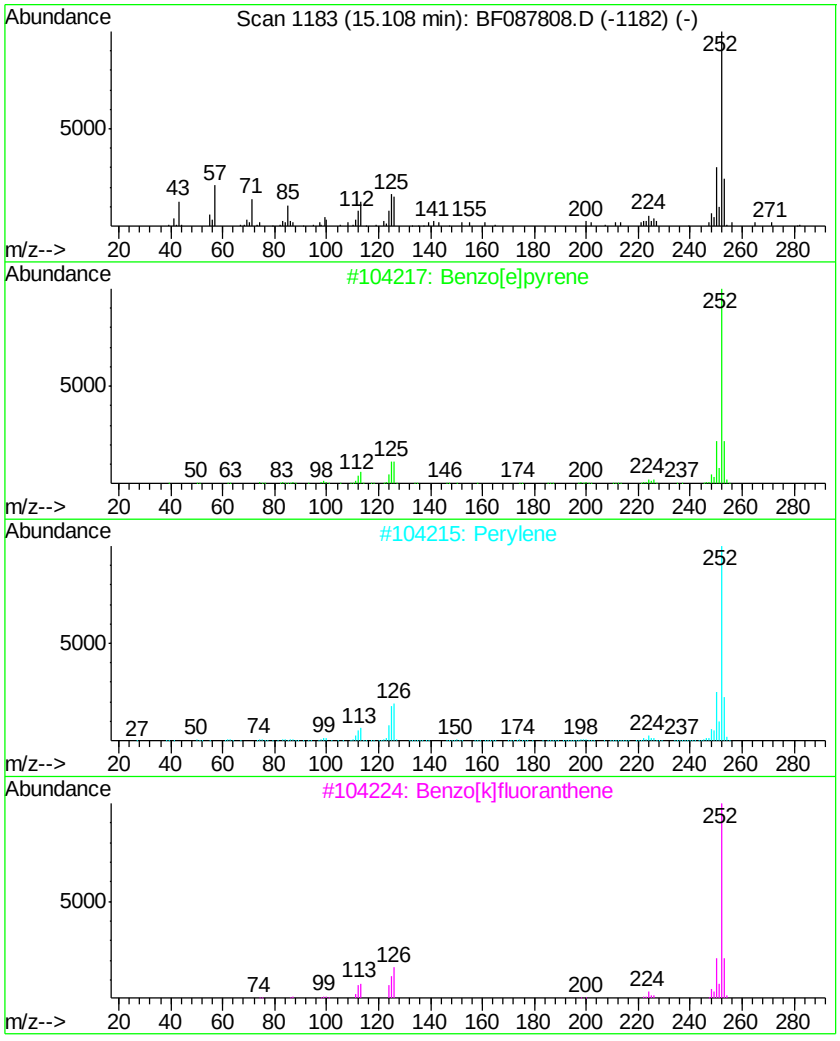
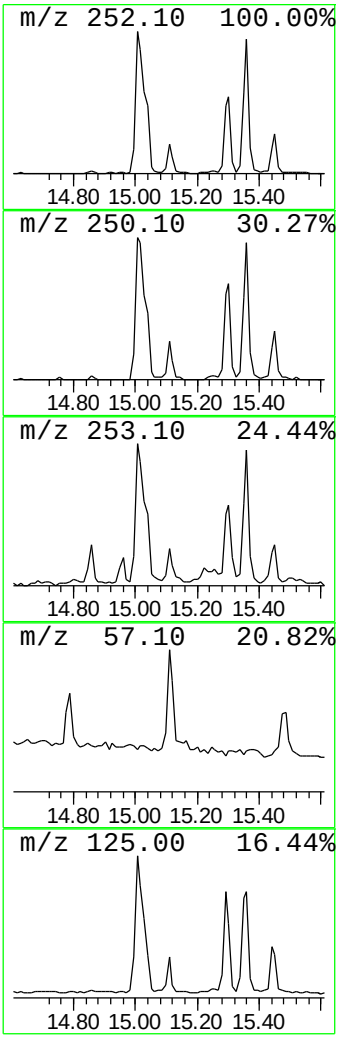
Peak Number 12 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	2.03 ng	80715	Perylene-d12	15.42

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





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087808.D
Acq On : 8 Jun 2016 14:22
Operator : UM/SJ
Sample : H3379-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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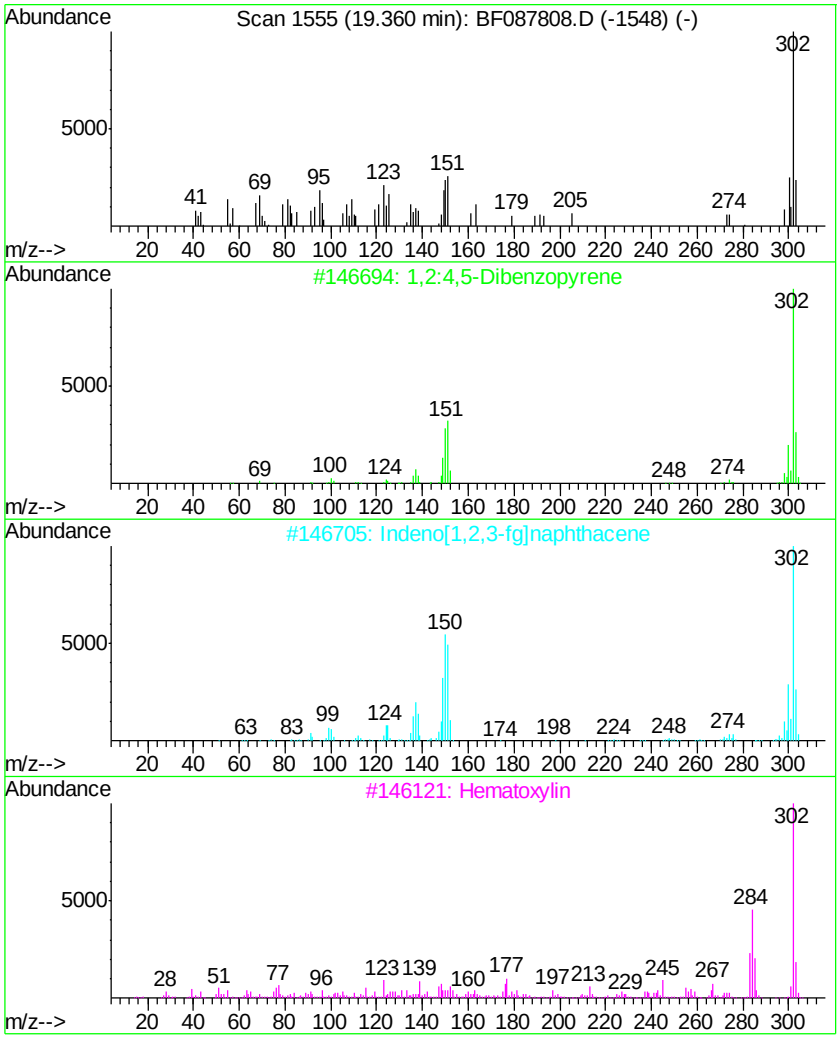
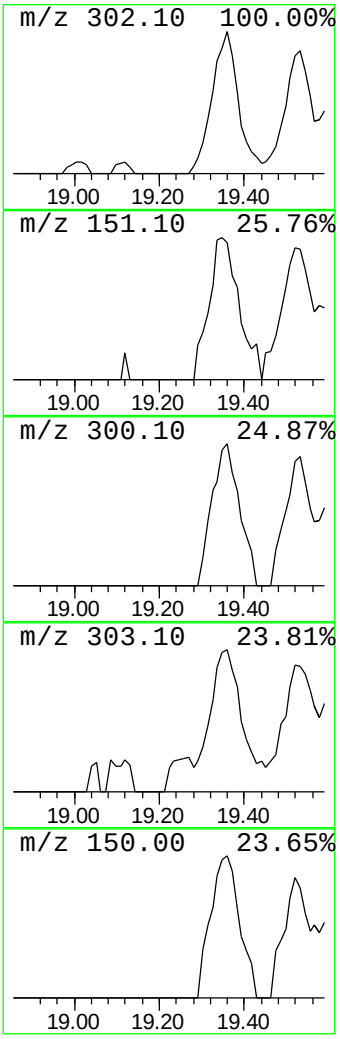
Peak Number 14 1,2:4,5-Dibenzopyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	3.99 ng	158443	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	76
2	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	76
3	Hematoxylin	302	C16H14O6	000517-28-2	49
4	[1,1'-Biphenyl]-3,3'-dicarboxald...	302	C16H14O6	002092-49-1	47
5	Androst-4-ene-3,17-dione, 11-hyd...	302	C19H26O3	000382-44-5	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
Data File : BF087808.D
Acq On : 8 Jun 2016 14:22
Operator : UM/SJ
Sample : H3379-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2,2-dime...	1.64	160.1	ng	4555100	1	6.82	569182	20.0
Propane, 1,1-dime...	2.04	6.2	ng	176080	1	6.82	569182	20.0
2-Pentanone, 4-hy...	4.99	4.5	ng	127570	1	6.82	569182	20.0
unknown6.59	6.59	54.1	ng	1540360	1	6.82	569182	20.0
4H-Cyclopenta[def...	11.97	3.2	ng	255373	4	11.36	1609990	20.0
4b,8-Dimethyl-2-i...	12.31	10.1	ng	809826	4	11.36	1609990	20.0
Retene	13.07	2.3	ng	173053	5	13.99	1497070	20.0
Pyrene, 2-methyl-	13.22	2.1	ng	155516	5	13.99	1497070	20.0
Benzo[e]pyrene	15.11	2.0	ng	80715	6	15.42	793501	20.0
1,2:4,5-Dibenzopy...	19.36	4.0	ng	158443	6	15.42	793501	20.0