LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 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-BF043015.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	1.324	9	12	24	rVB2	127910	399452	8.63%	1.158%
2	1.484	24	26	33	rVV	294697	463546	10.02%	1.344%
3	1.610	34	37	45	rVV	351125	700719	15.14%	2.031%
4	1.713	45	46	87	rVB	2310234	4628477	100.00%	13.417%
5	4.799	314	316	327	rBV	133961	231871	5.01%	0.672%
6	5.324	360	362	377	rBV	1527900	2193546	47.39%	6.359%
7	6.627	474	476	479	rBV	1696608	2142548	46.29%	6.211%
8	6.765	485	488	490	rBV	2357305	2373236	51.27%	6.879%
9	7.050	511	513	516	rBV	444154	411557	8.89%	1.193%
10	7.233	527	529	532	rBV	1769689	1713654	37.02%	4.968%
11	7.747	572	574	577	rBV	1453585	1359907	29.38%	3.942%
12	8.628	649	651	653	rBV	616594	572130	12.36%	1.658%
13	9.976	766	769	771	rBV	2930053	2699021	58.31%	7.824%
14	10.479	811	813	816	rBV	114254	151549	3.27%	0.439%
15	10.799	839	841	843	rVB	436243	605253	13.08%	1.754%
16	11.771	924	926	929	rBV	1623698	1793988	38.76%	5.200%
17	12.628	999	1001	1002	rBV	687604	654515	14.14%	1.897%
18	12.662	1002	1004	1006	rVV	459256	515328	11.13%	1.494%
19	12.719	1007	1009	1012	rVB	117869	157600	3.41%	0.457%
20	13.257	1054	1056	1058	rBV	58614	65556	1.42%	0.190%
21	13.291	1058	1059	1062	rVB	87097	84525	1.83%	0.245%
22	13.348	1062	1064	1066	rBV	38363	54948	1.19%	0.159%
23	13.394	1066	1068	1069	rBV	81214	103727	2.24%	0.301%
24	13.634	1087	1089	1091	rBV	53304	54422	1.18%	0.158%
25	14.045	1123	1125	1130	rVB	40334	53489	1.16%	0.155%
26	14.137	1130	1133	1135	rBV	723841	930801	20.11%	2.698%
27	14.411	1154	1157	1159	rBV	816156	930111	20.10%	2.696%
28	14.628	1173	1176	1178	rBV	2664924	2970189	64.17%	8.610%
29	14.697	1178	1182	1185	rVV2	35174	69804	1.51%	0.202%
30	14.834	1188	1194	1196	rVB2	68898	131197	2.83%	0.380%
31	14.960	1203	1205	1210	rVB2	62255	105087	2.27%	0.305%
32	15.463	1248	1249	1252	rVB	47014	53903	1.16%	0.156%
33	15.600	1258	1261	1262	rBV	53355	66032	1.43%	0.191%
34	15.634	1262	1264	1267	rVV2	53374	101681	2.20%	0.295%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 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-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.725	1271	1272	1275	rVB	58013	59376	1.28%	0.172%
36	15.794	1275	1278	1283	rBV2	132380	234714	5.07%	0.680%
37	15.908	1283	1288	1290	rVV2	738716	1337789	28.90%	3.878%
38	15.943	1290	1291	1296	rVB2	312227	322355	6.96%	0.934%
39	16.034	1296	1299	1301	rBV	57633	67880	1.47%	0.197%
40	16.400	1328	1331	1333	rBV	62902	75600	1.63%	0.219%
41	16.514	1337	1341	1342	rBV2	41206	57449	1.24%	0.167%
42	16.994	1379	1383	1385	rBV3	33134	89224	1.93%	0.259%
43	17.166	1395	1398	1404	rBV	308416	643401	13.90%	1.865%
44	17.280	1407	1408	1411	rVB	54912	64232	1.39%	0.186%
45	17.474	1423	1425	1428	rBV	177944	221064	4.78%	0.641%
46	17.531	1428	1430	1433	rBV	222997	297583	6.43%	0.863%
47	17.600	1433	1436	1438	rBV	534501	723046	15.62%	2.096%
48	18.606	1522	1524	1533	rVB6	22674	74401	1.61%	0.216%
49	18.926	1549	1552	1557	rVB2	123298	257364	5.56%	0.746%
50	19.097	1564	1567	1569	rBV2	34428	67989	1.47%	0.197%
51	19.314	1583	1586	1595	rBV	109015	231668	5.01%	0.672%
52	19.531	1603	1605	1613	rVB2	23829	75865	1.64%	0.220%
53	20.354	1673	1677	1684	rBV8	10331	52877	1.14%	0.153%

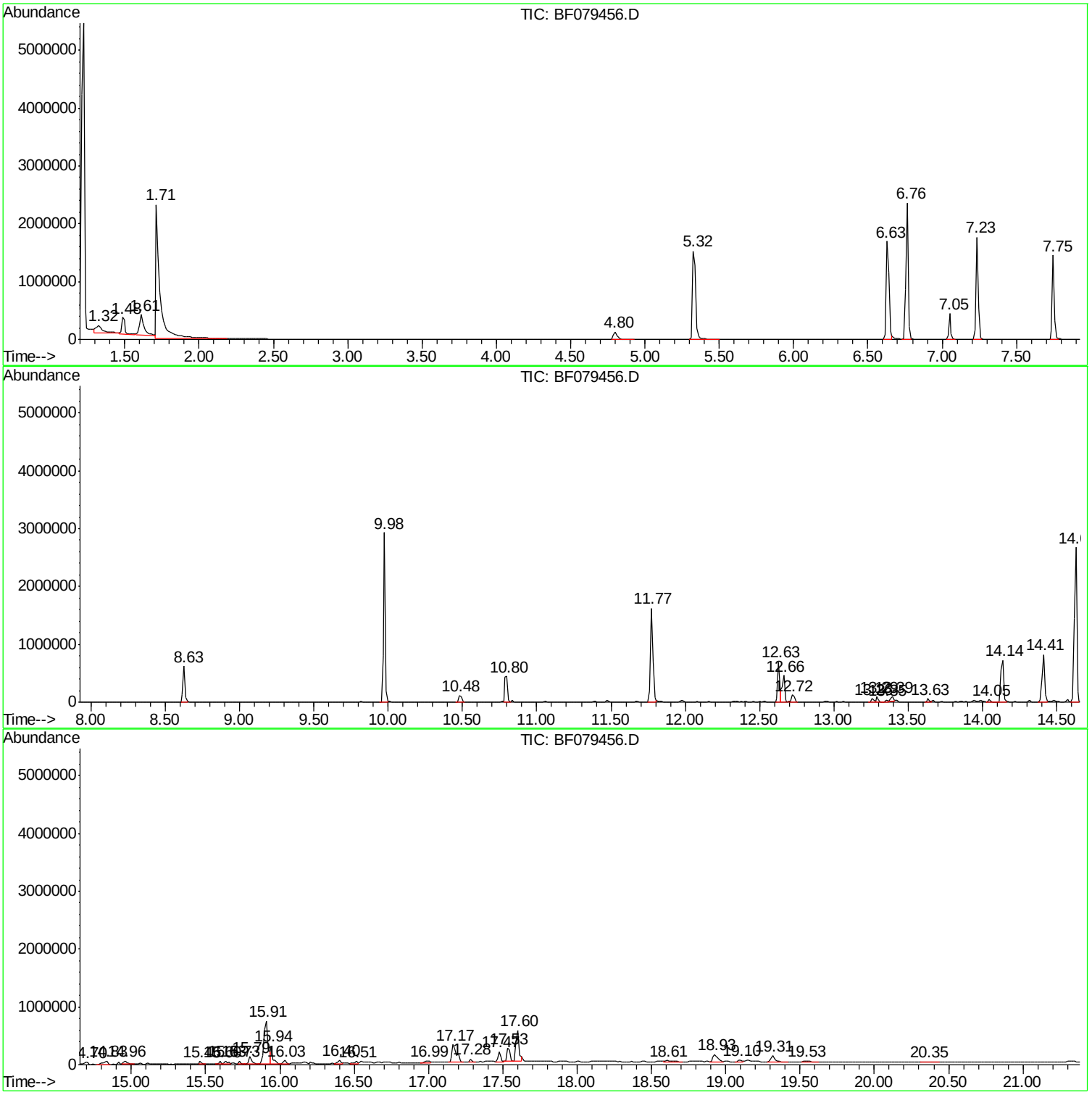
Sum of corrected areas: 34497246

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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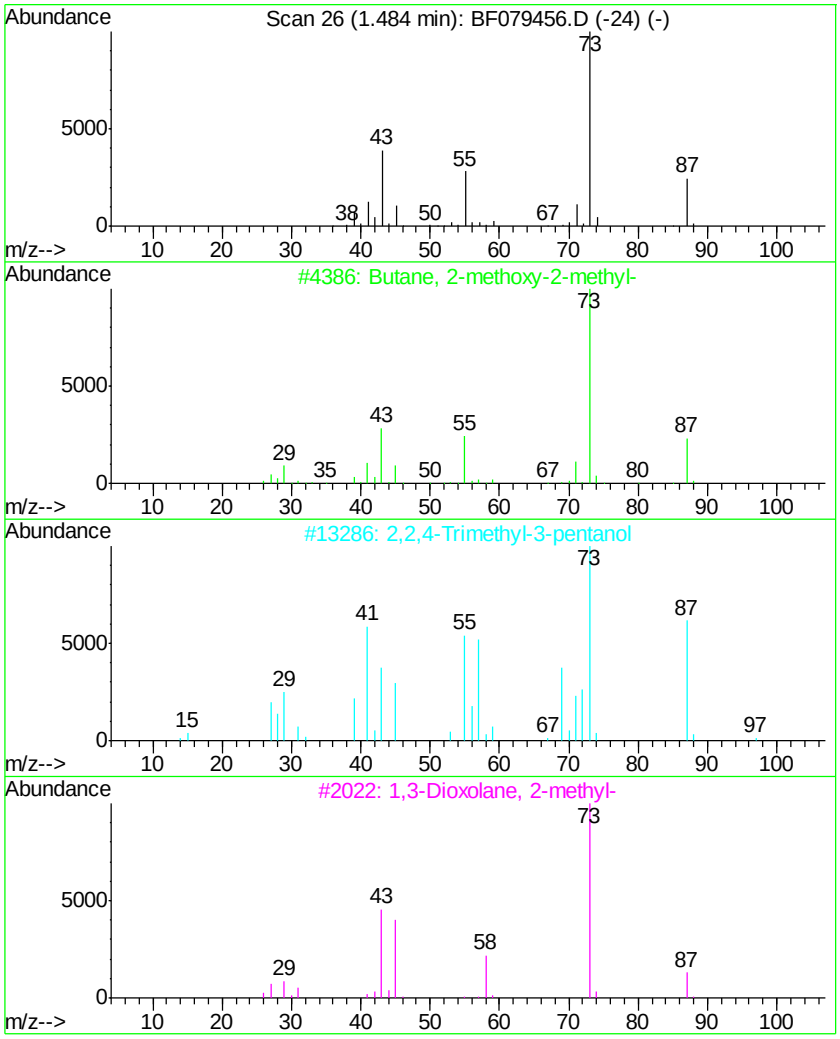
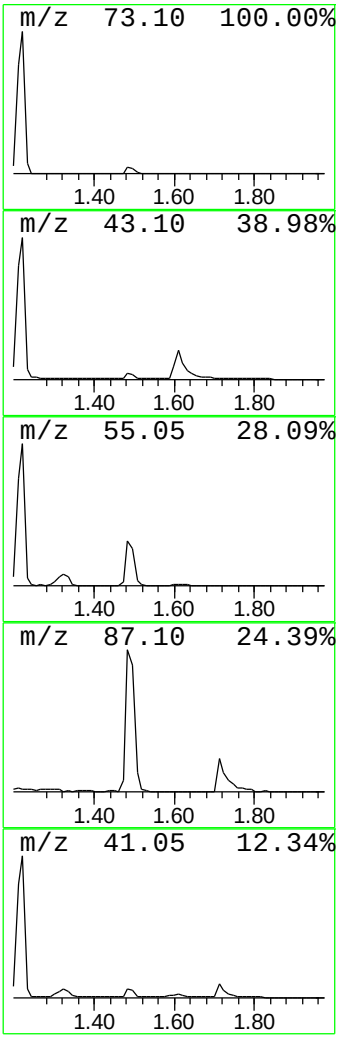
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.48	22.53 ng	463546	1,4-Dichlorobenzene-d4	7.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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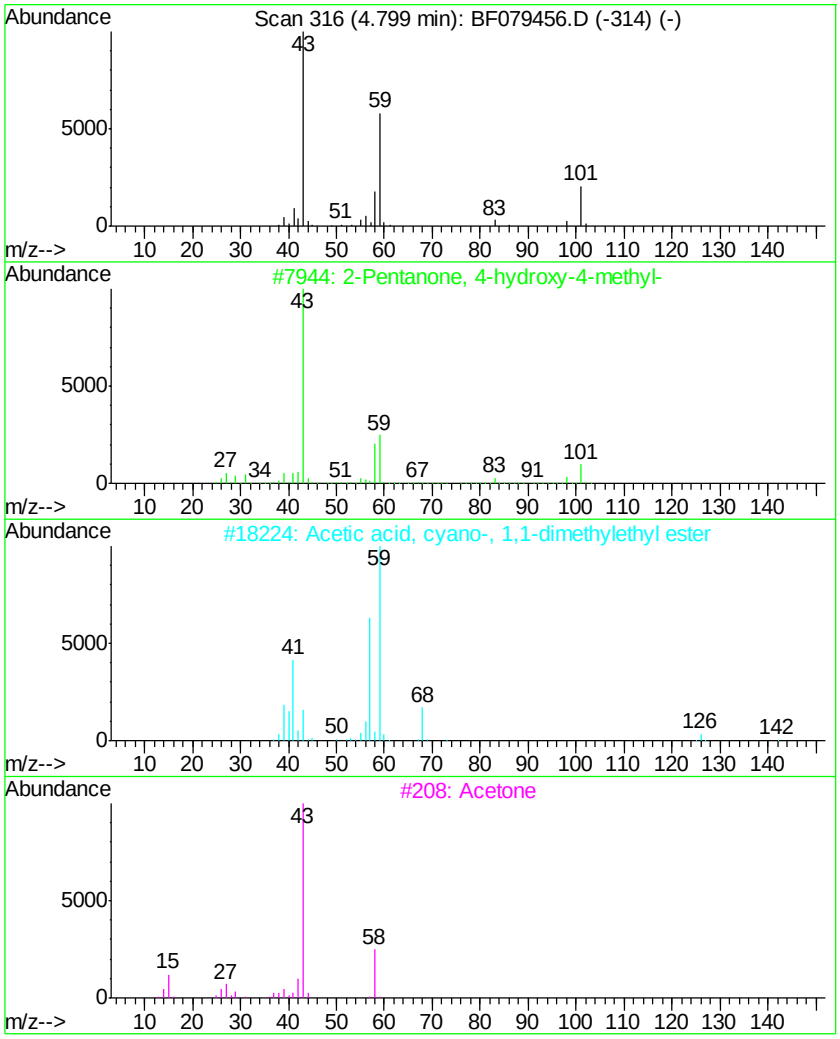
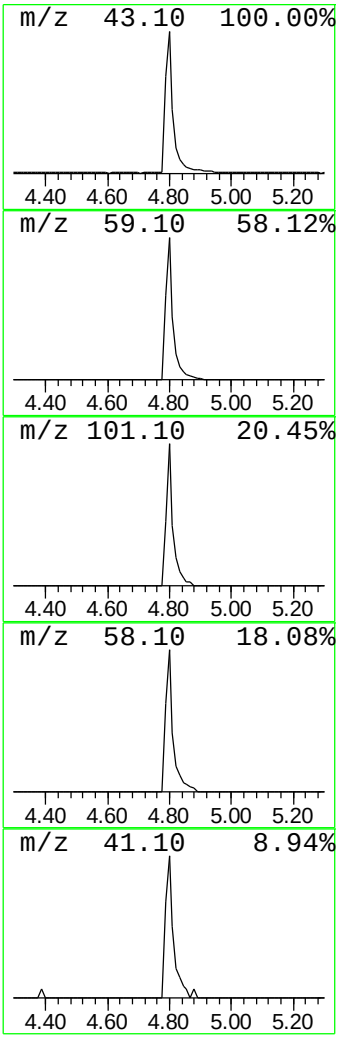
Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	11.27 ng	231871	1,4-Dichlorobenzene-d4	7.05

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, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Acetone	58	C3H6O	000067-64-1	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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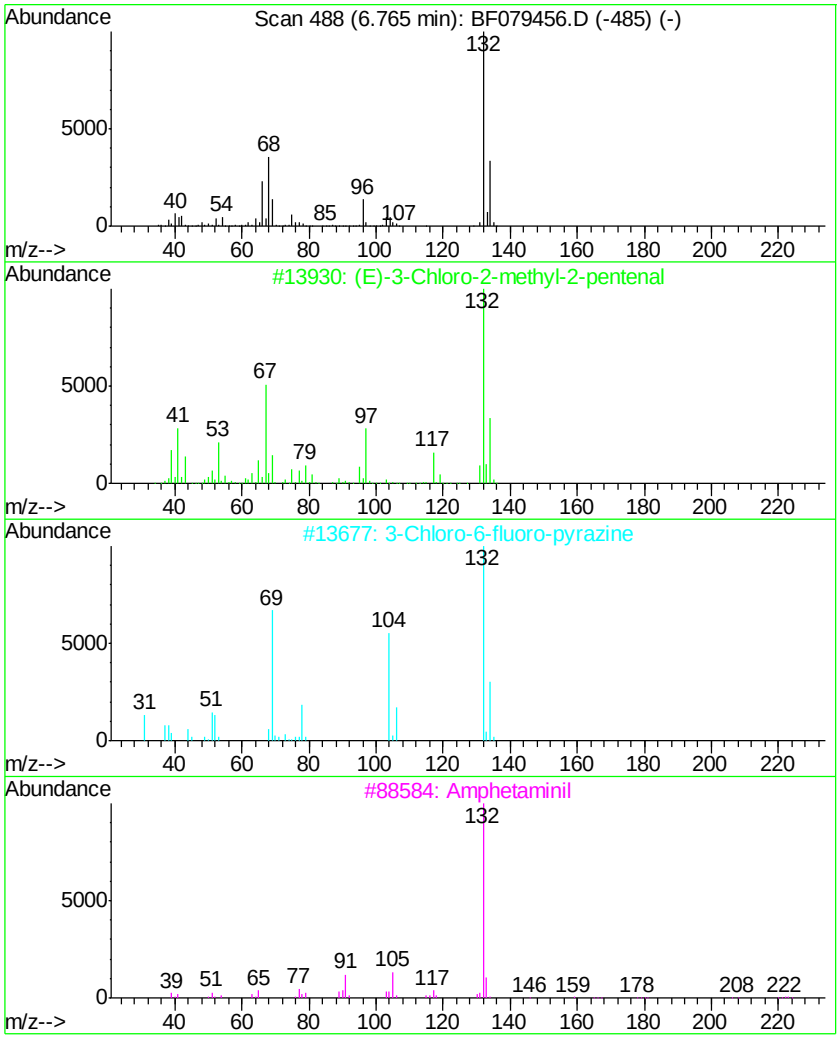
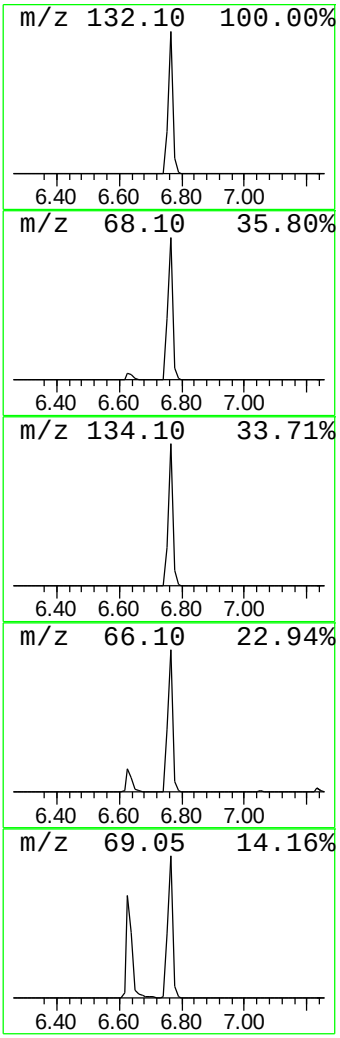
Peak Number 6 unknown6.76 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	115.33 ng	2373240	1,4-Dichlorobenzene-d4	7.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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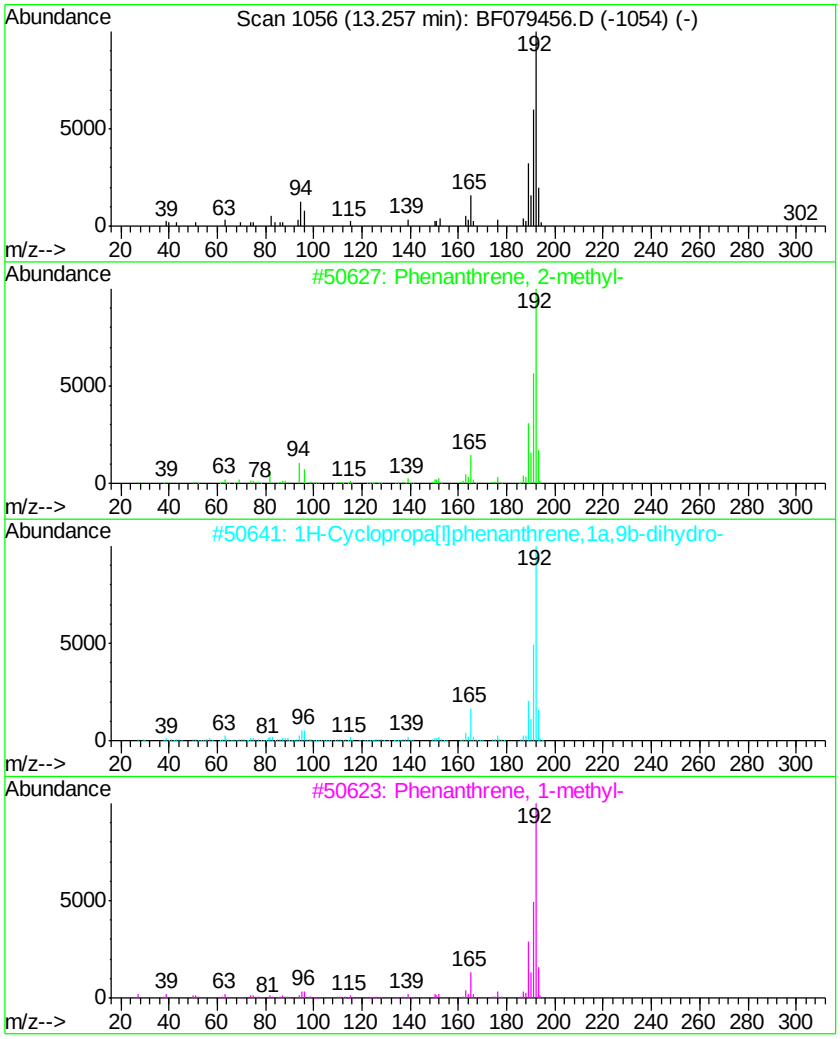
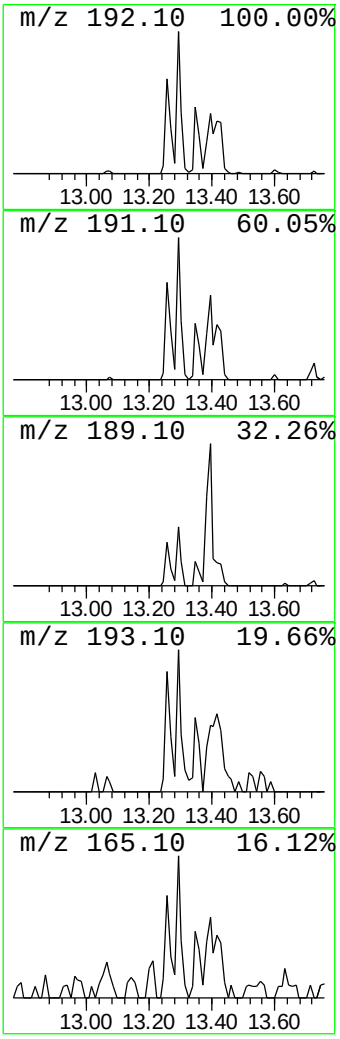
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.00 ng	65556	Phenanthrene-d10	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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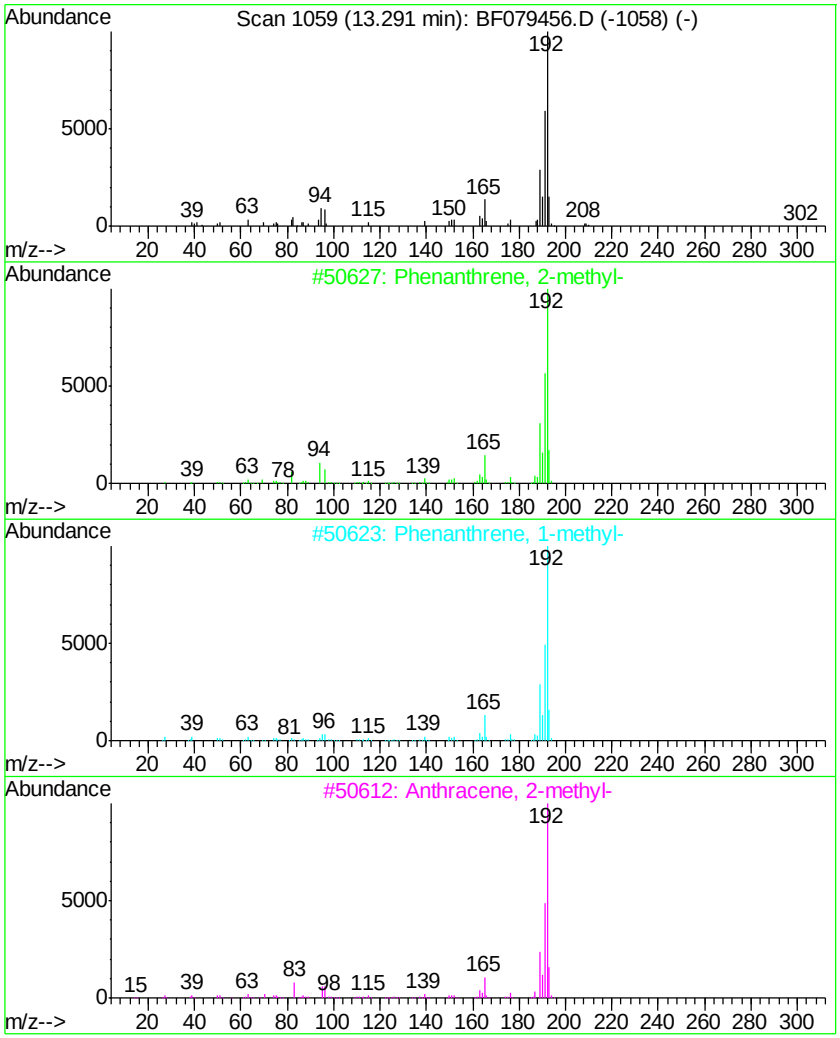
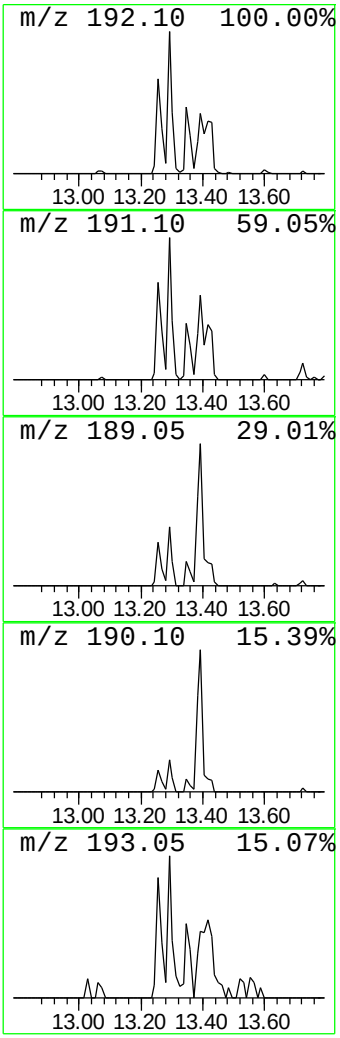
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	2.58 ng	84525	Phenanthrene-d10	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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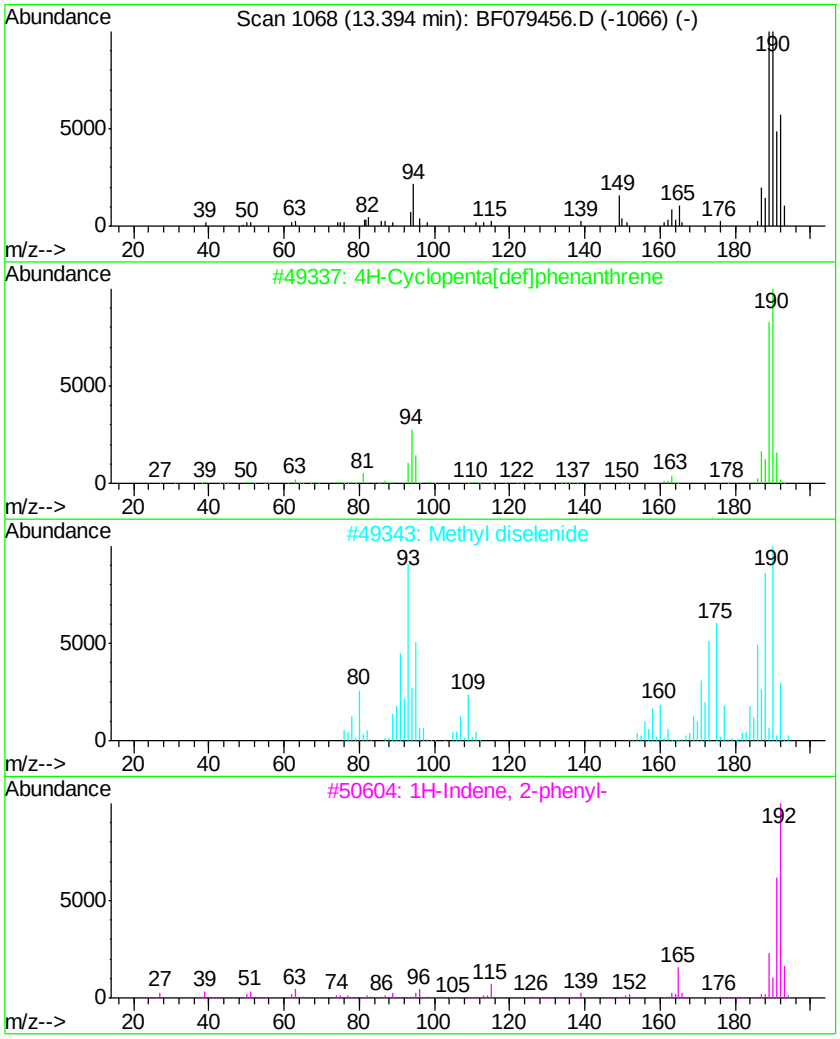
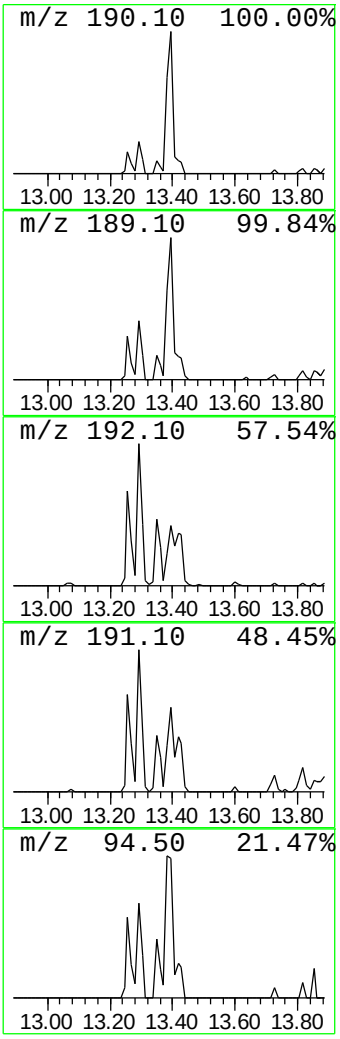
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	3.17 ng	103727	Phenanthrene-d10	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Methyl diselenide	190	C2H6Se2	007101-31-7	41
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	22





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Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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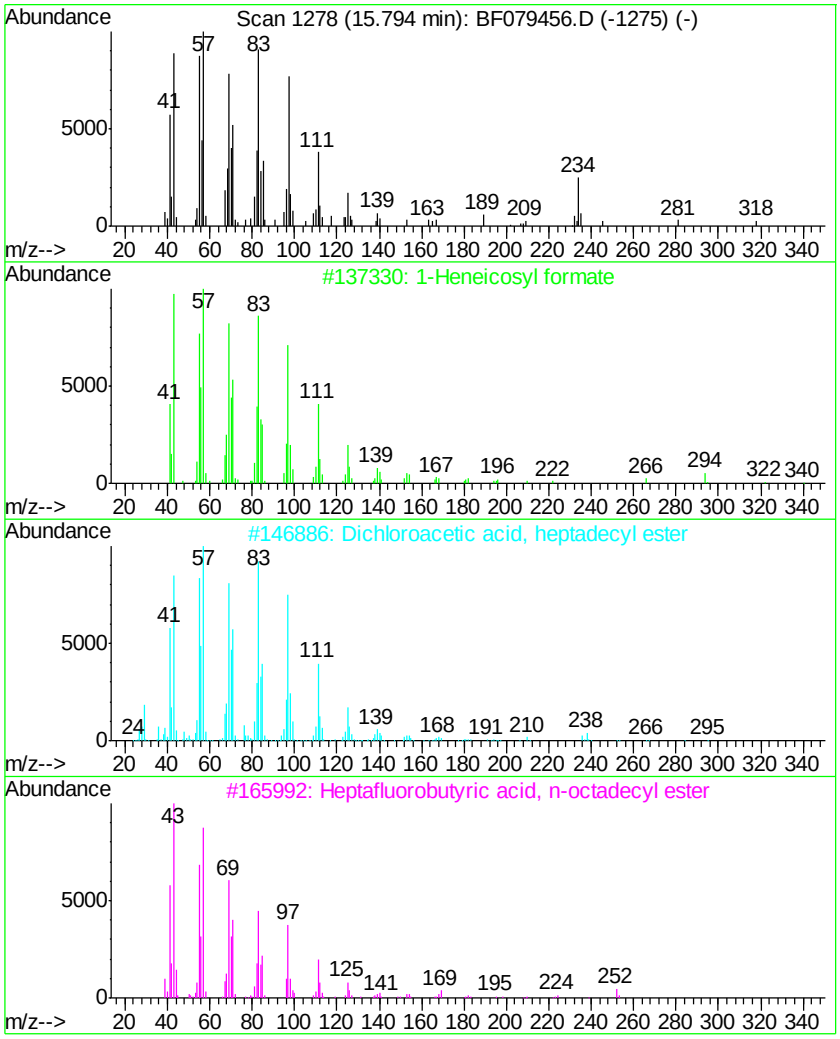
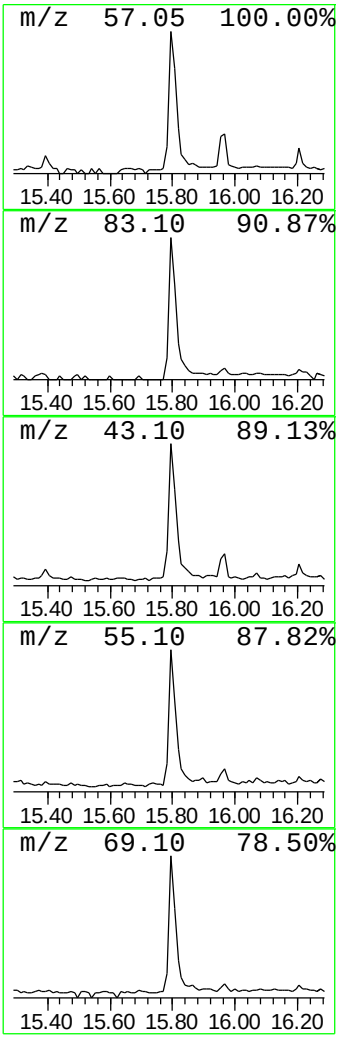
Peak Number 11 1-Heneicosyl formate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	3.51 ng	234714	Chrysene-d12	15.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
3	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
4	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
5	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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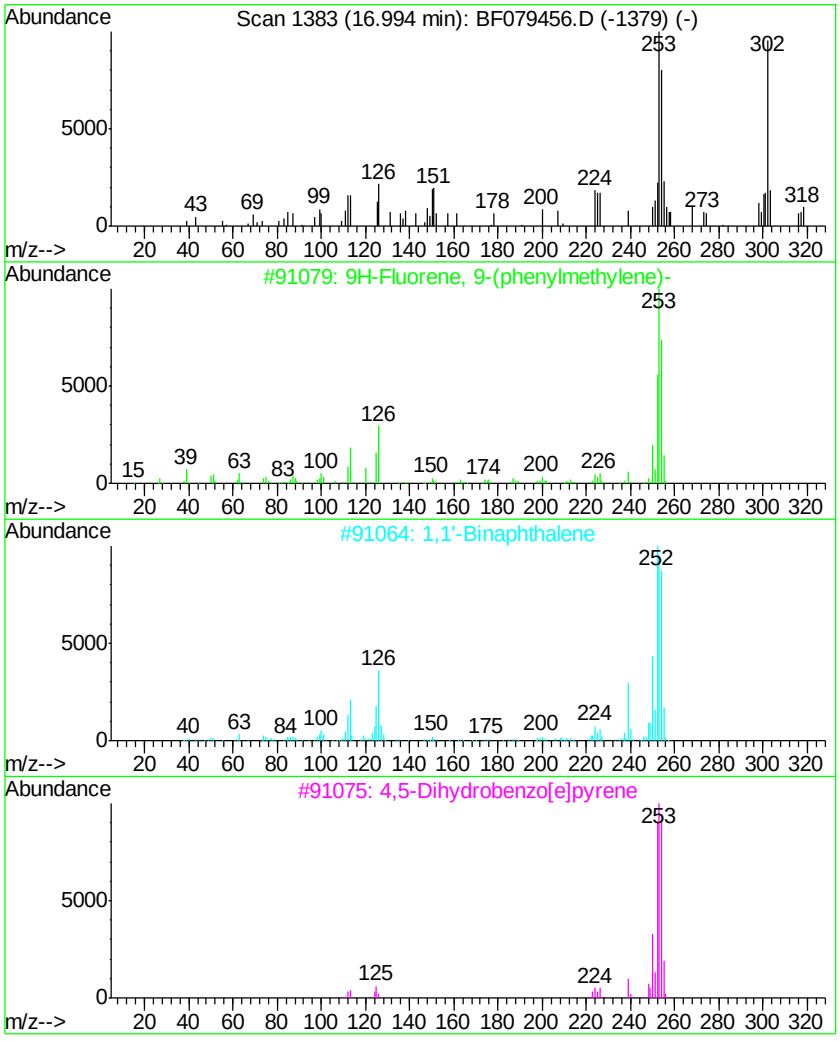
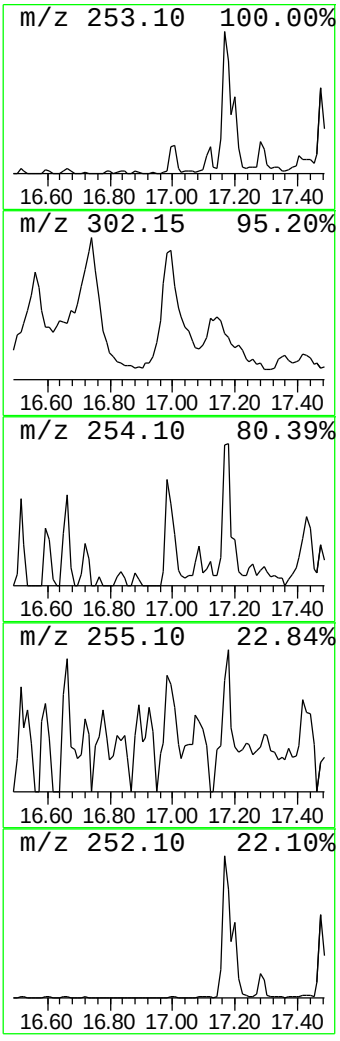
Peak Number 12 unknown16.99 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	2.47 ng	89224	Perylene-d12	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	43
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	43
3	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	38
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	38
5	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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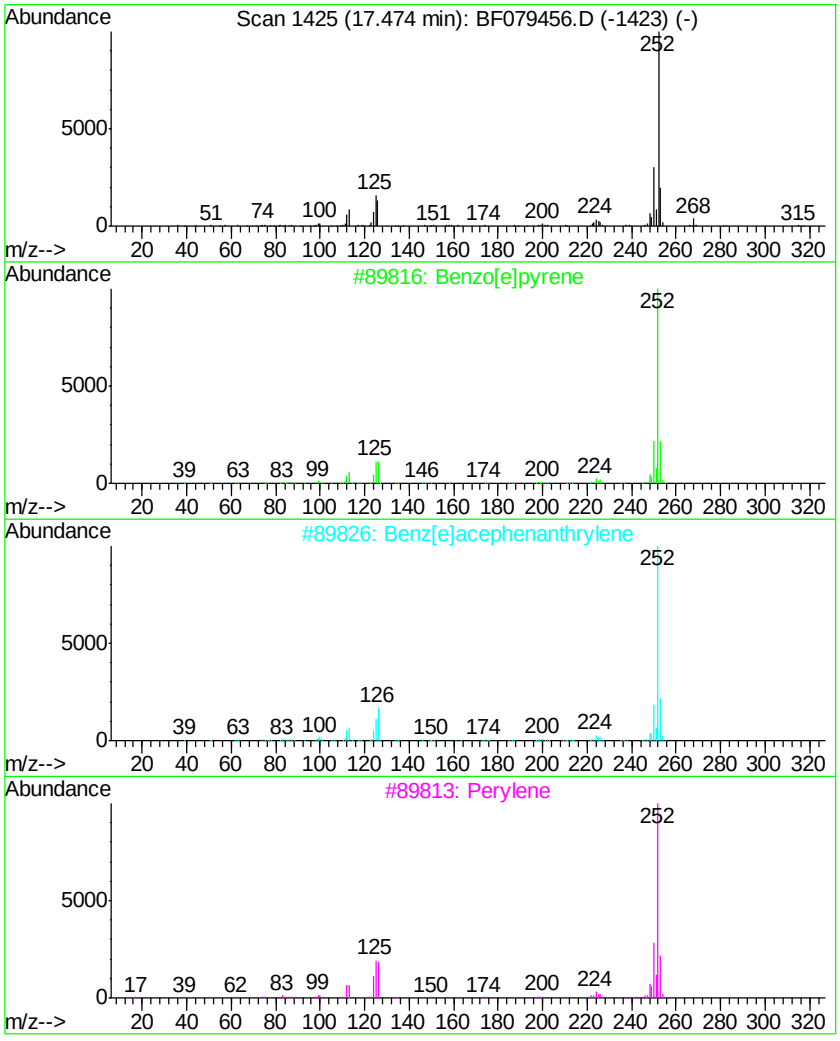
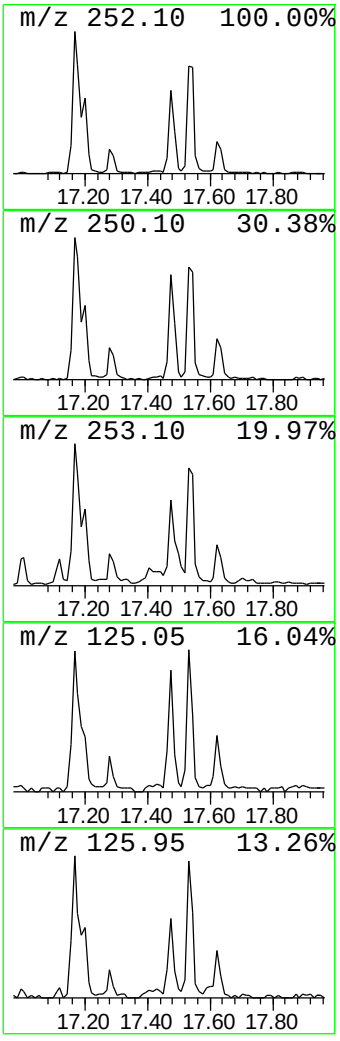
Peak Number 13 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.47	6.11 ng	221064	Perylene-d12	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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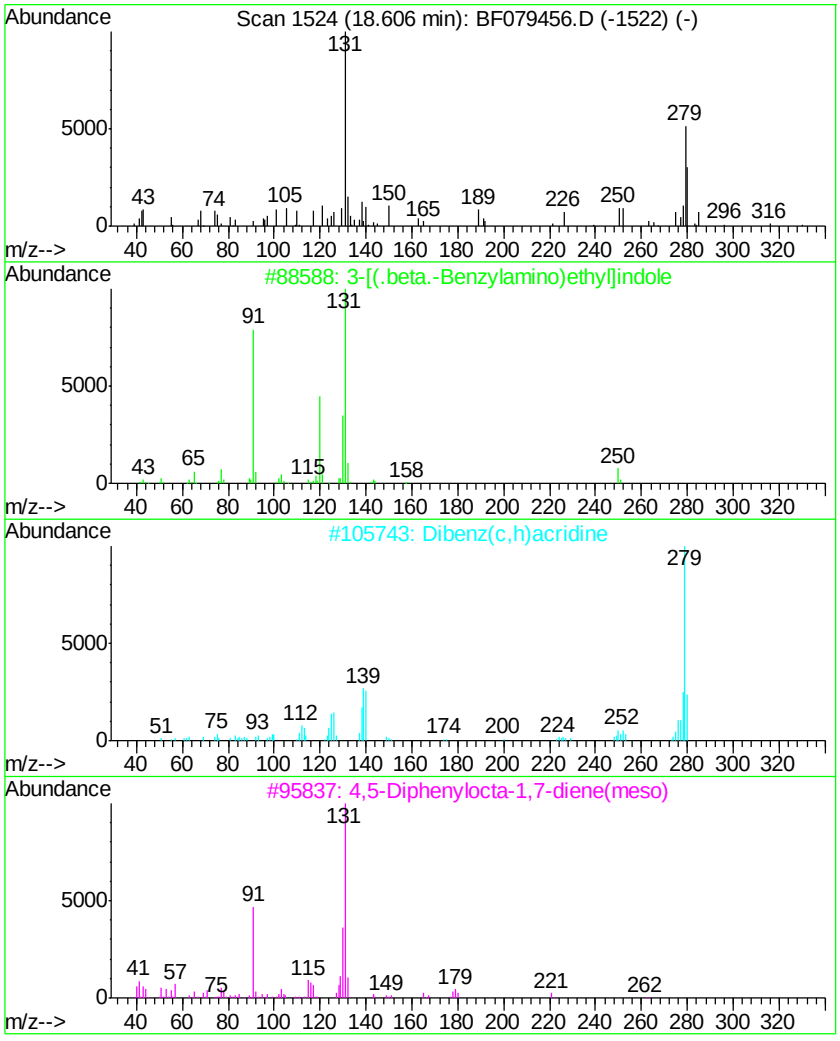
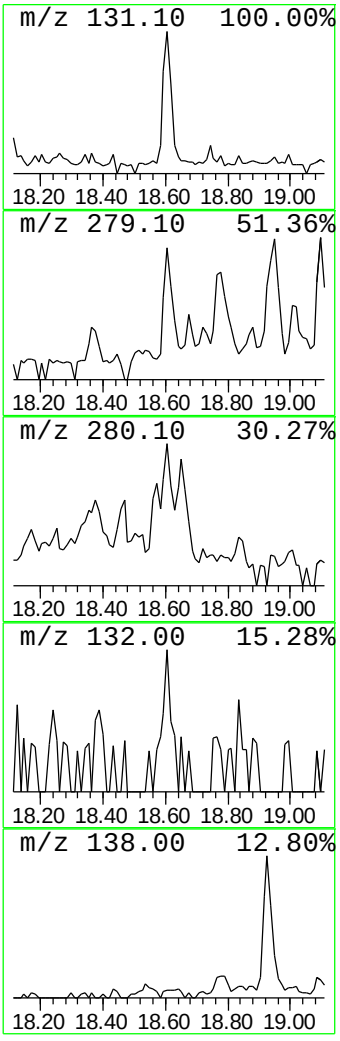
Peak Number 14 unknown18.61 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	2.06 ng	74401	Perylene-d12	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-[(.beta.-Benzylamino)ethyllindole	250	C17H18N2	054474-88-3	25
2	Dibenz(c,h)acridine	279	C21H13N	000224-53-3	25
3	4,5-Diphenylocta-1,7-diene(meso)	262	C20H22	1000215-92-7	16
4	4,5-Diphenylocta-1,7-diene(dl)	262	C20H22	1000215-92-8	16
5	Indan, 1-methyl-3-nonyl-	258	C19H30	029138-85-0	16





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052215\
Data File : BF079456.D
Acq On : 23 May 2015 5:02
Operator : TP/IZ
Sample : G2289-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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
Butane, 2-methoxy...	1.48	22.5	ng	463546	1	7.05	411557	20.0
2-Pentanone, 4-hy...	4.80	11.3	ng	231871	1	7.05	411557	20.0
unknown6.76	6.76	115.3	ng	2373240	1	7.05	411557	20.0
Phenanthrene, 2-m...	13.26	2.0	ng	65556	4	12.63	654515	20.0
Phenanthrene, 1-m...	13.29	2.6	ng	84525	4	12.63	654515	20.0
4H-Cyclopenta[def...	13.39	3.2	ng	103727	4	12.63	654515	20.0
1-Heneicosyl formate	15.79	3.5	ng	234714	5	15.91	1337790	20.0
unknown16.99	16.99	2.5	ng	89224	6	17.60	723046	20.0
Benzo[e]pyrene	17.47	6.1	ng	221064	6	17.60	723046	20.0
unknown18.61	18.61	2.1	ng	74401	6	17.60	723046	20.0