LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

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-BF051716.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	1.701	8	10	35	rVB	4458658	8241054	100.00%	12.764%
2	1.998	35	36	59	rVB4	65509	330446	4.01%	0.512%
3	3.918	199	204	206	rBV	3104932	5727928	69.50%	8.872%
4	4.684	266	271	274	rBV	2569634	4545025	55.15%	7.040%
5	4.741	274	276	289	rVB	130989	266226	3.23%	0.412%
6	5.153	310	312	328	rBV	592807	1091865	13.25%	1.691%
7	5.541	344	346	353	rBV	1082196	1025433	12.44%	1.588%
8	5.930	378	380	387	rBV	288492	410580	4.98%	0.636%
9	6.227	404	406	413	rBV2	645294	1431310	17.37%	2.217%
10	6.330	413	415	419	rVV	2242681	2241913	27.20%	3.472%
11	6.387	419	420	426	rVB	182456	205647	2.50%	0.319%
12	6.559	433	435	441	rVB	645662	922363	11.19%	1.429%
13	6.707	446	448	451	rBV	3029025	2850764	34.59%	4.415%
14	7.016	471	475	478	rBV3	52464	114343	1.39%	0.177%
15	7.130	483	485	488	rBV	1998225	2806248	34.05%	4.347%
16	7.256	494	496	498	rBV	550374	717100	8.70%	1.111%
17	7.839	545	547	550	rBV	928774	1150218	13.96%	1.782%
18	8.044	563	565	567	rBV	262747	270391	3.28%	0.419%
19	8.387	592	595	597	rVV	570978	634370	7.70%	0.983%
20	8.536	607	608	612	rVB2	221094	259710	3.15%	0.402%
21	8.810	629	632	635	rVB2	245035	394544	4.79%	0.611%
22	8.867	635	637	639	rVB	299716	263853	3.20%	0.409%
23	8.925	639	642	644	rBV	4961608	4652972	56.46%	7.207%
24	9.050	651	653	656	rBV	289608	331855	4.03%	0.514%
25	9.142	659	661	663	rVB	676838	551540	6.69%	0.854%
26	9.325	676	677	679	rBV	125221	120620	1.46%	0.187%
27	9.485	688	691	694	rBV	213903	226435	2.75%	0.351%
28	9.587	698	700	704	rVV	1412394	1396895	16.95%	2.164%
29	9.907	726	728	729	rVV	134985	177534	2.15%	0.275%
30	9.930	729	730	732	rVB	268649	216728	2.63%	0.336%
31	10.033	736	739	741	rVB2	135183	182038	2.21%	0.282%
32	10.102	743	745	750	rBV5	60232	148328	1.80%	0.230%
33	10.193	750	753	755	rBV	3936265	4327317	52.51%	6.702%
34	10.262	755	759	762	rVB2	270216	429883	5.22%	0.666%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

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-BF051716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.342	764	766	768	rBV2	463478	606392	7.36%	0.939%
36	10.376	768	769	772	rVV2	1278012	1727126	20.96%	2.675%
37	10.422	772	773	775	rVB	273179	207842	2.52%	0.322%
38	10.467	775	777	779	rBV	807452	765770	9.29%	1.186%
39	10.502	779	780	782	rVV	105497	99459	1.21%	0.154%
40	10.536	782	783	786	rVB2	442727	620359	7.53%	0.961%
41	10.673	794	795	797	rBV	117109	144612	1.75%	0.224%
42	10.765	802	803	805	rVB2	493044	571699	6.94%	0.885%
43	10.982	820	822	827	rVV5	41428	93054	1.13%	0.144%
44	11.062	827	829	831	rVV	985887	1102641	13.38%	1.708%
45	11.130	833	835	837	rVV2	80439	110969	1.35%	0.172%
46	11.176	837	839	844	rVV4	59121	126853	1.54%	0.196%
47	11.393	854	858	862	rVV2	424685	787965	9.56%	1.220%
48	11.462	862	864	866	rVV	896606	1220632	14.81%	1.891%
49	11.496	866	867	869	rVV	231218	323791	3.93%	0.502%
50	11.542	869	871	876	rVB2	315851	324886	3.94%	0.503%
51	11.622	876	878	880	rBV3	176923	257215	3.12%	0.398%
52	11.690	883	884	886	rVV	190636	247895	3.01%	0.384%
53	11.976	907	909	912	rVB2	78250	101788	1.24%	0.158%
54	12.068	915	917	920	rVV3	100095	157904	1.92%	0.245%
55	12.125	920	922	926	rVV3	50833	96302	1.17%	0.149%
56	12.228	929	931	933	rVB	84111	89713	1.09%	0.139%
57	12.479	952	953	956	rBV3	91316	115475	1.40%	0.179%
58	12.651	965	968	970	rBV	3519175	3308574	40.15%	5.125%
59	12.799	979	981	984	rBV3	76517	145551	1.77%	0.225%
60	13.313	1023	1026	1028	rBV	199972	211442	2.57%	0.327%
61	13.428	1033	1036	1045	rVV2	126454	335981	4.08%	0.520%
62	13.554	1045	1047	1052	rVV	260260	367271	4.46%	0.569%
63	13.691	1057	1059	1062	rBV	656775	749861	9.10%	1.161%
64	15.051	1175	1178	1189	rVB	553774	786654	9.55%	1.218%
65	15.817	1243	1245	1251	rVB2	36032	94029	1.14%	0.146%

Sum of corrected areas: 64563181

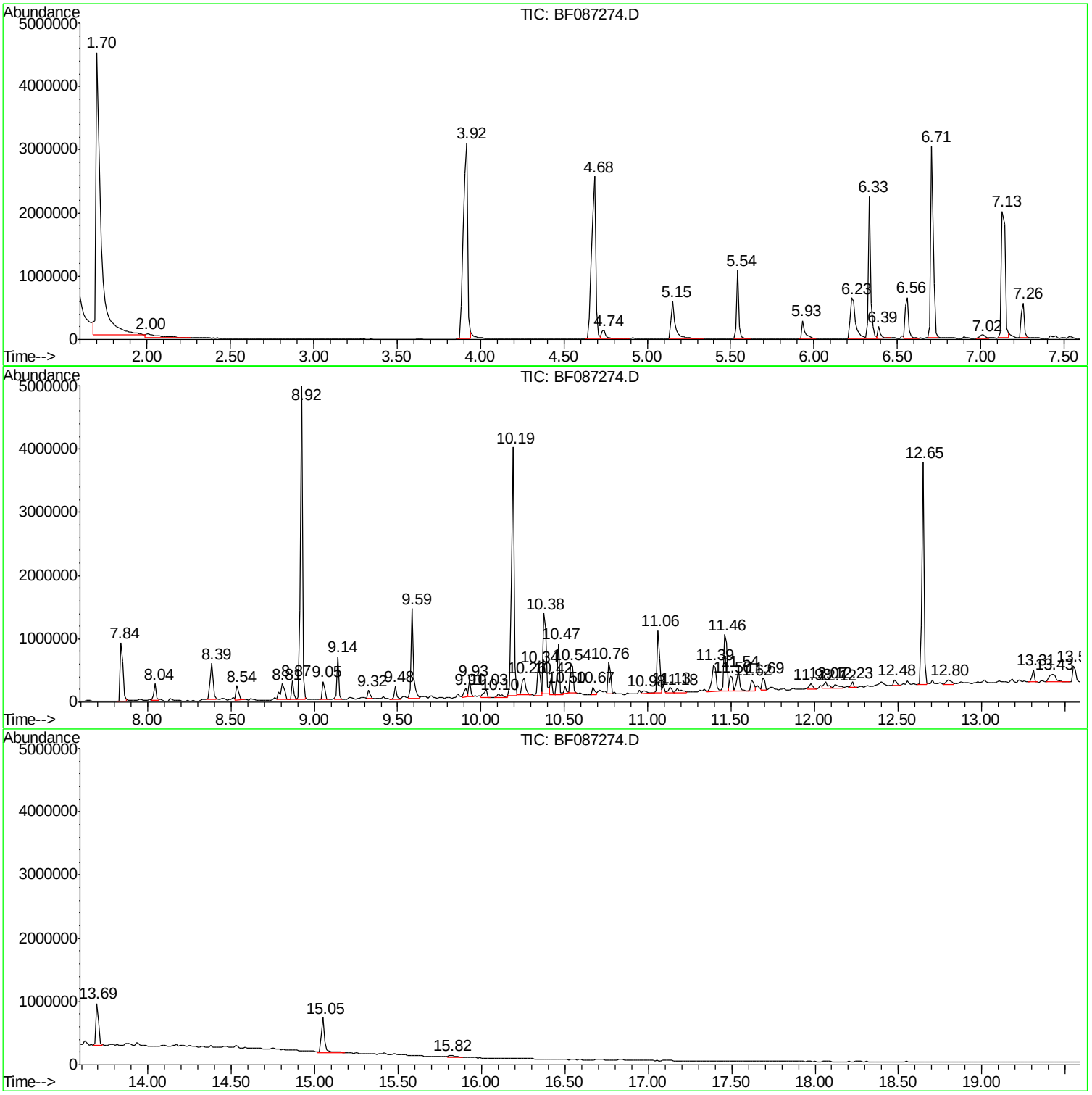
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

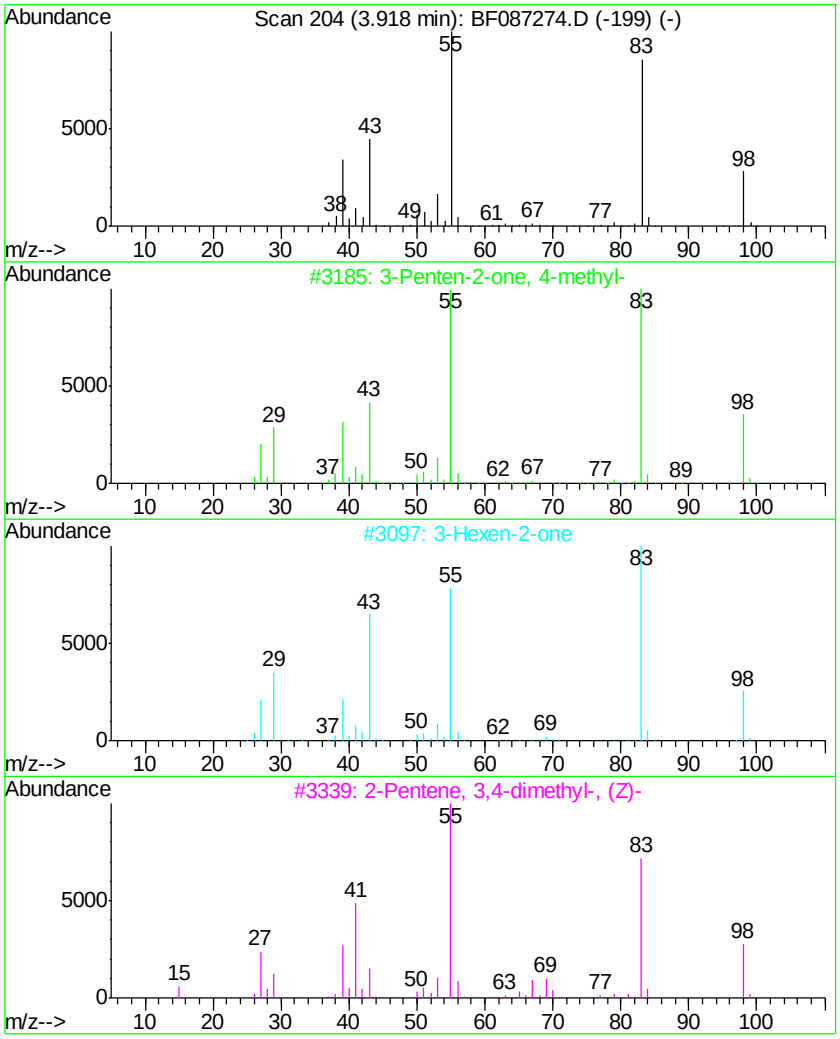
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

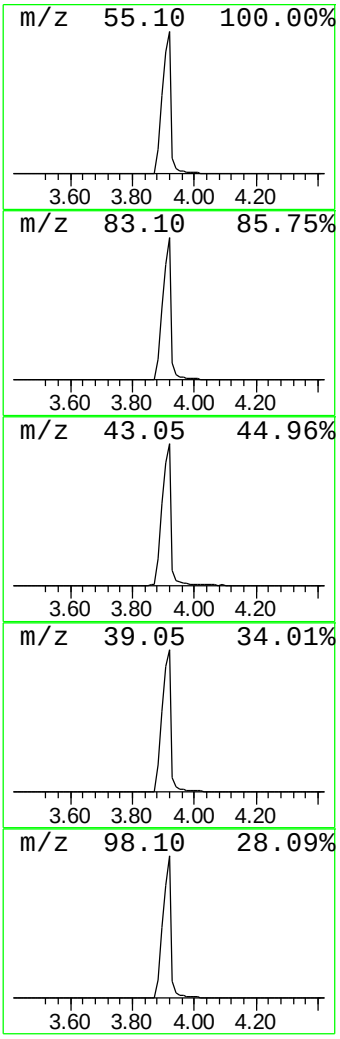
****

Peak Number 3 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.92	124.20 ng	5727930	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	90
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
4	3,4-Dimethyl-2-pentene(c,t)	98	C7H14	1000118-16-5	86
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

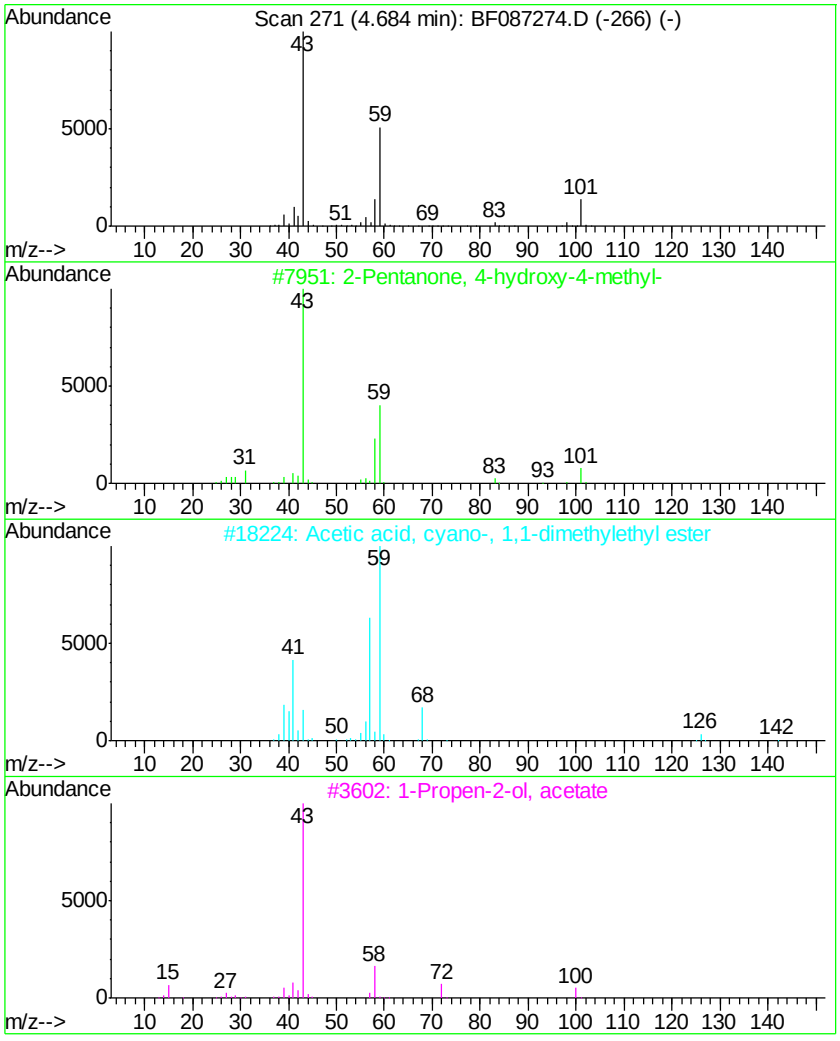
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

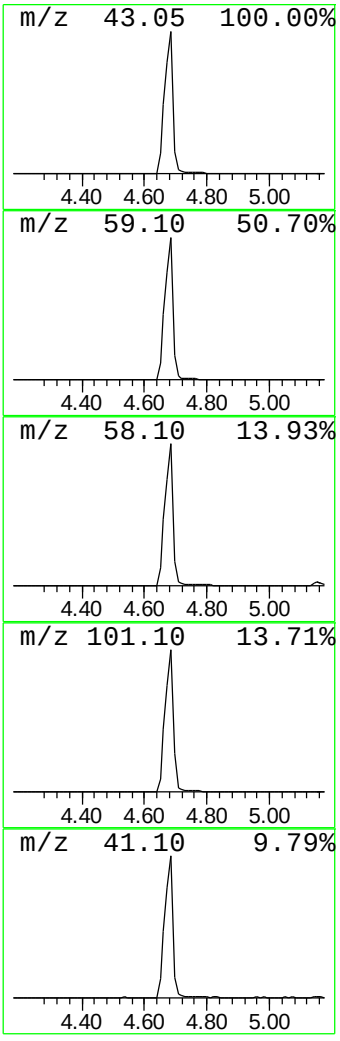
****

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	98.55 ng	4545030	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	5-Aminovaleric acid	117	C5H11NO2	000660-88-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

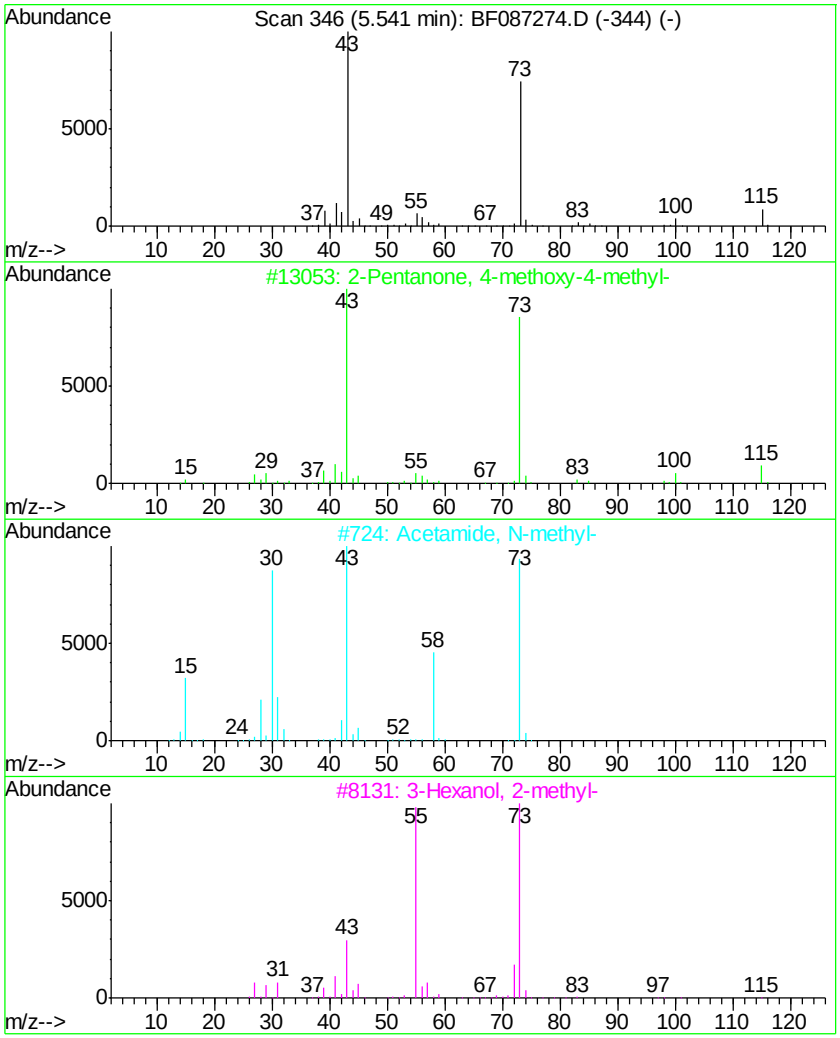
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

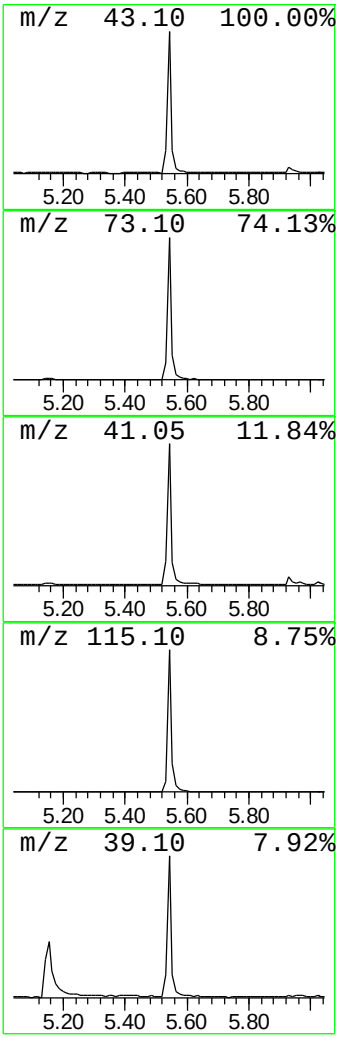
****

Peak Number 5 2-Pentanone, 4-methoxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	22.23 ng	1025430	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	83
2	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	32
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
4	1-Methoxyethanimine, N-acetyl-	115	C5H9NO2	099028-43-0	12
5	N,N'-Bis(2-methyl-2-nitrosopenta...	258	C12H22N2O4	094514-30-4	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

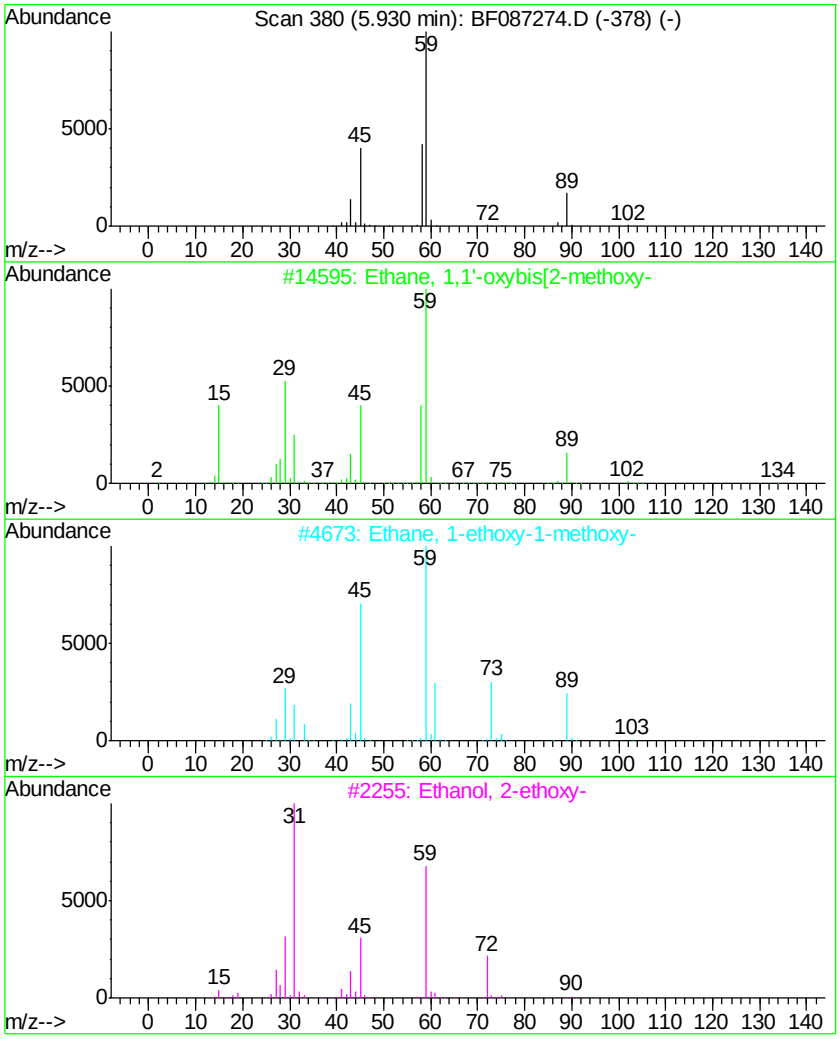
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

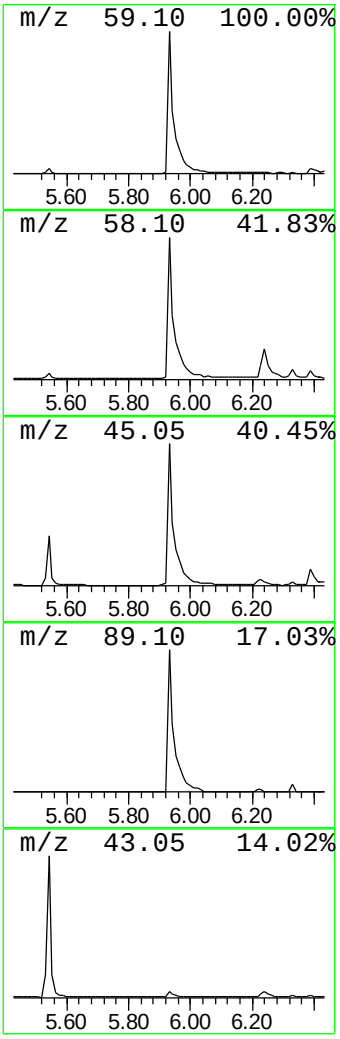
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Ethane, 1,1'-oxybis[2-methoxy- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	8.90 ng	410580	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1'-oxybis[2-methoxy-	134	C6H14O3	000111-96-6	74
2	Ethane, 1-ethoxy-1-methoxy-	104	C5H12O2	010471-14-4	23
3	Ethanol, 2-ethoxy-	90	C4H10O2	000110-80-5	9
4	1,2-Butanediol	90	C4H10O2	000584-03-2	9
5	Butane, 2-methoxy-3-methyl-	102	C6H14O	062016-49-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

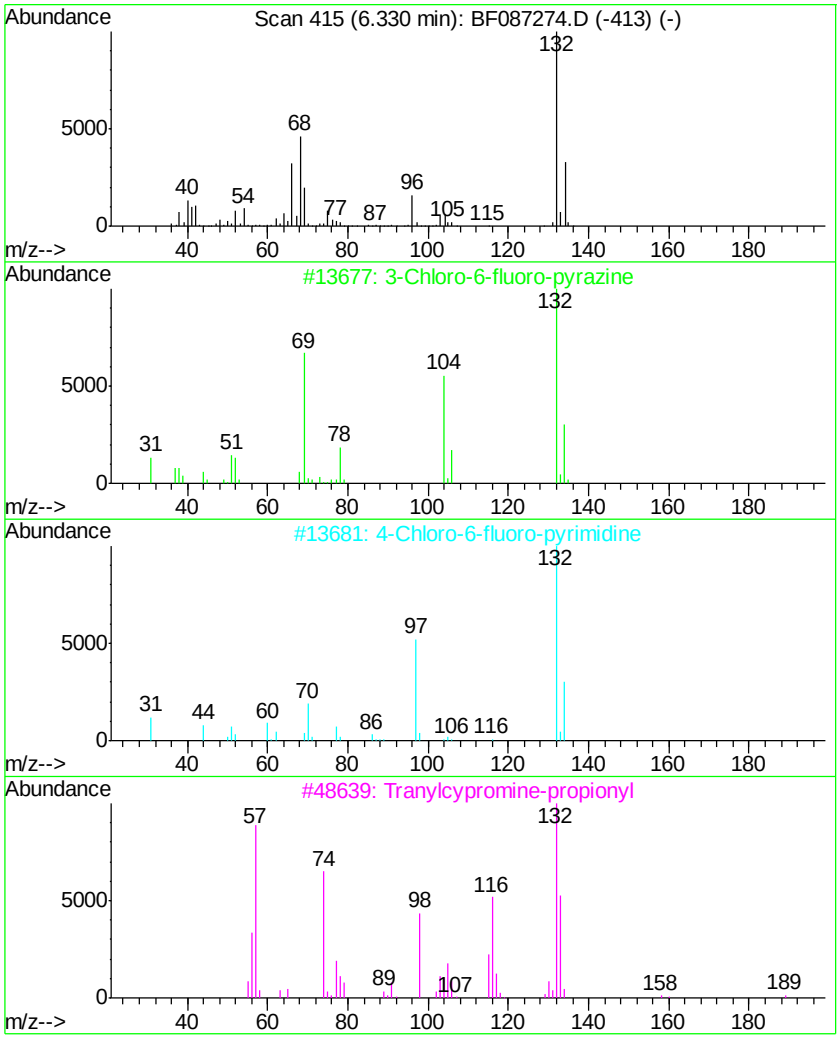
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

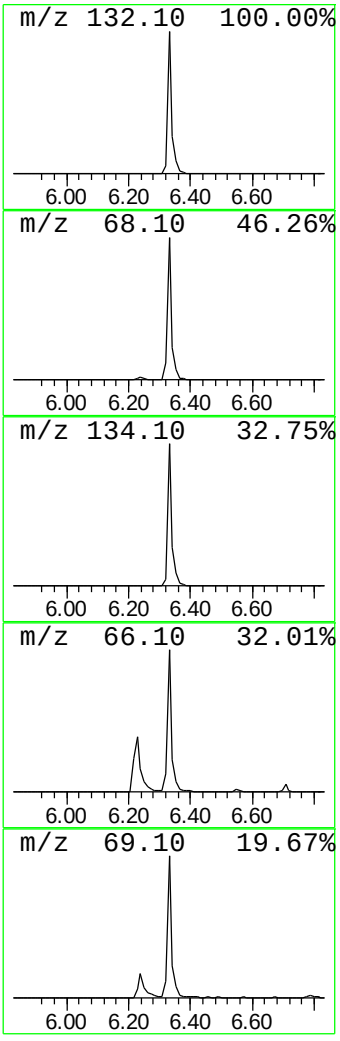
****

Peak Number 7 unknown6.33 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	48.61 ng	2241910	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

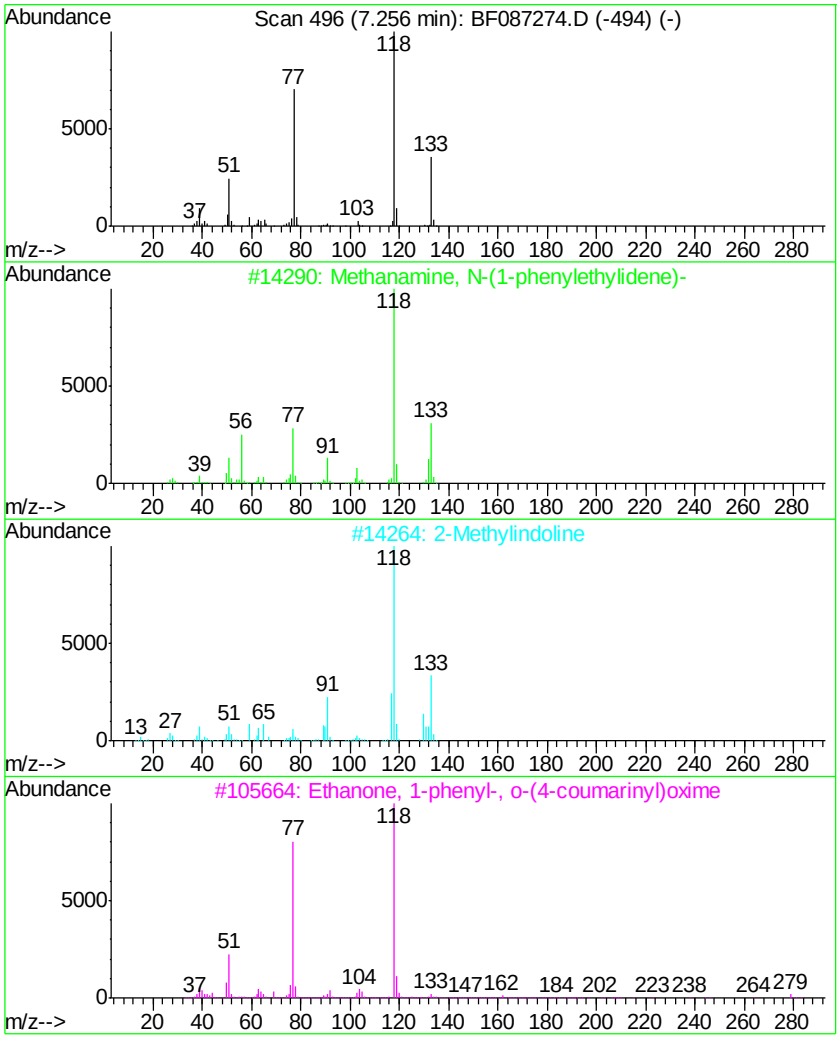
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

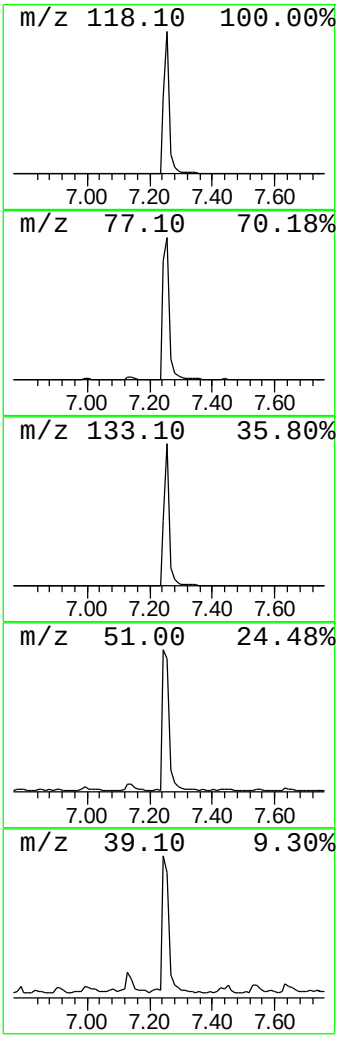
****

Peak Number 9 Methanamine, N-(1-phenyleth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	12.47 ng	717100	Naphthalene-d8	7.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanamine, N-(1-phenylethylide...	133	C9H11N	006907-71-7	50
2	2-Methylindoline	133	C9H11N	006872-06-6	47
3	Ethanone, 1-phenyl-, o-(4-coumar...	279	C17H13NO3	034605-11-3	39
4	Benzofuran	118	C8H6O	000271-89-6	38
5	Benzenecarboximidoyl bromide, N-...	197	C8H8BrN	041182-85-8	36





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

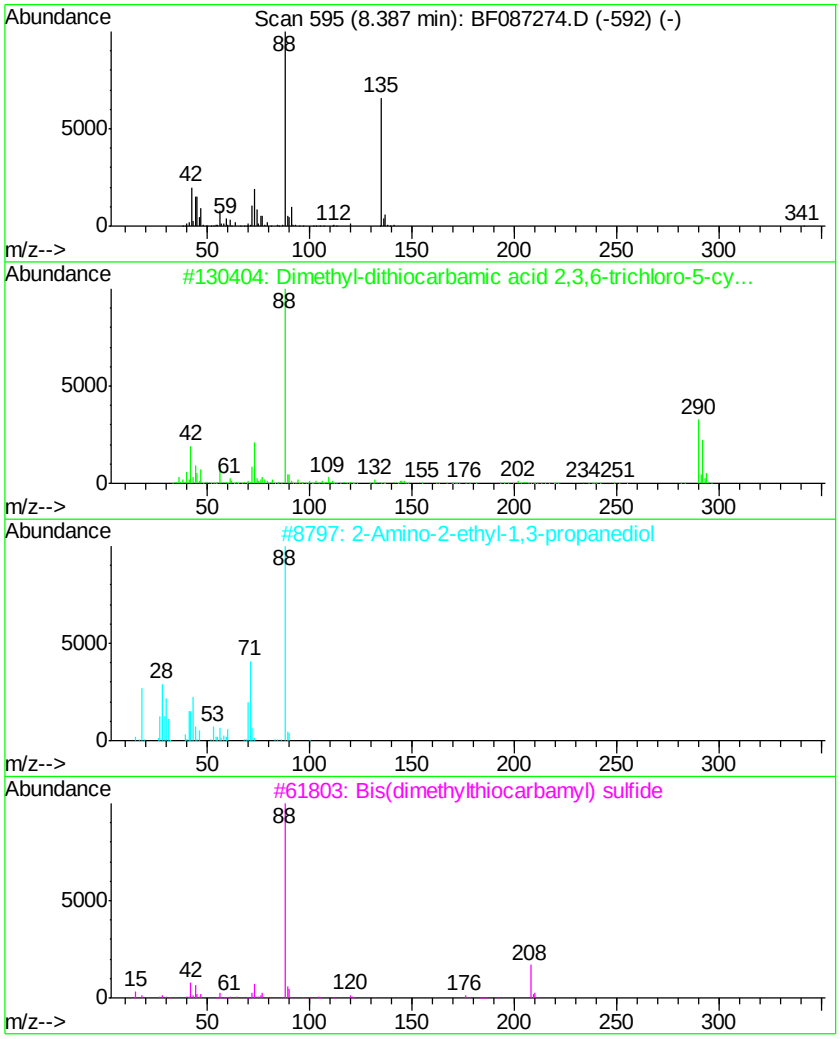
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

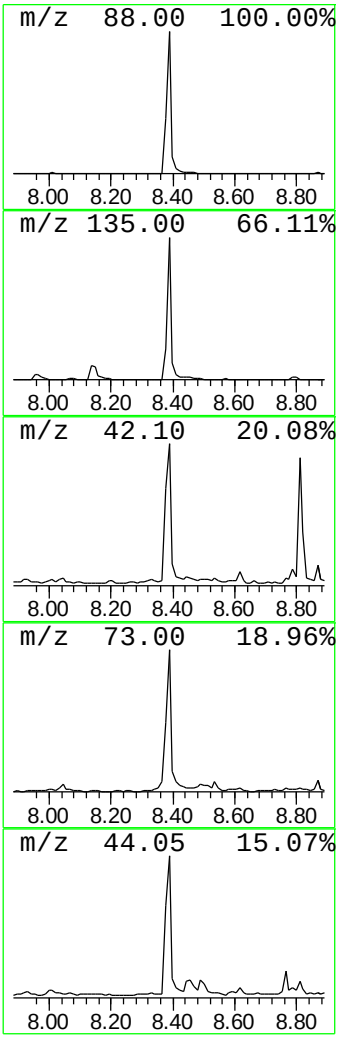
****

Peak Number 10 Dimethyl-dithiocarbamic aci... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	11.03 ng	634370	Naphthalene-d8	7.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl-dithiocarbamic acid 2,3...	325	C9H6Cl3N3S2	154355-34-7	50
2	2-Amino-2-ethyl-1,3-propanediol	119	C5H13NO2	000115-70-8	43
3	Bis(dimethylthiocarbamyl) sulfide	208	C6H12N2S3	000097-74-5	38
4	Methanamine, 1,1-dimethoxy-N,N-d...	119	C5H13NO2	004637-24-5	38
5	Methyl 2,3,4-tri-O-methyl-6-deox...	220	C10H20O5	072983-16-5	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

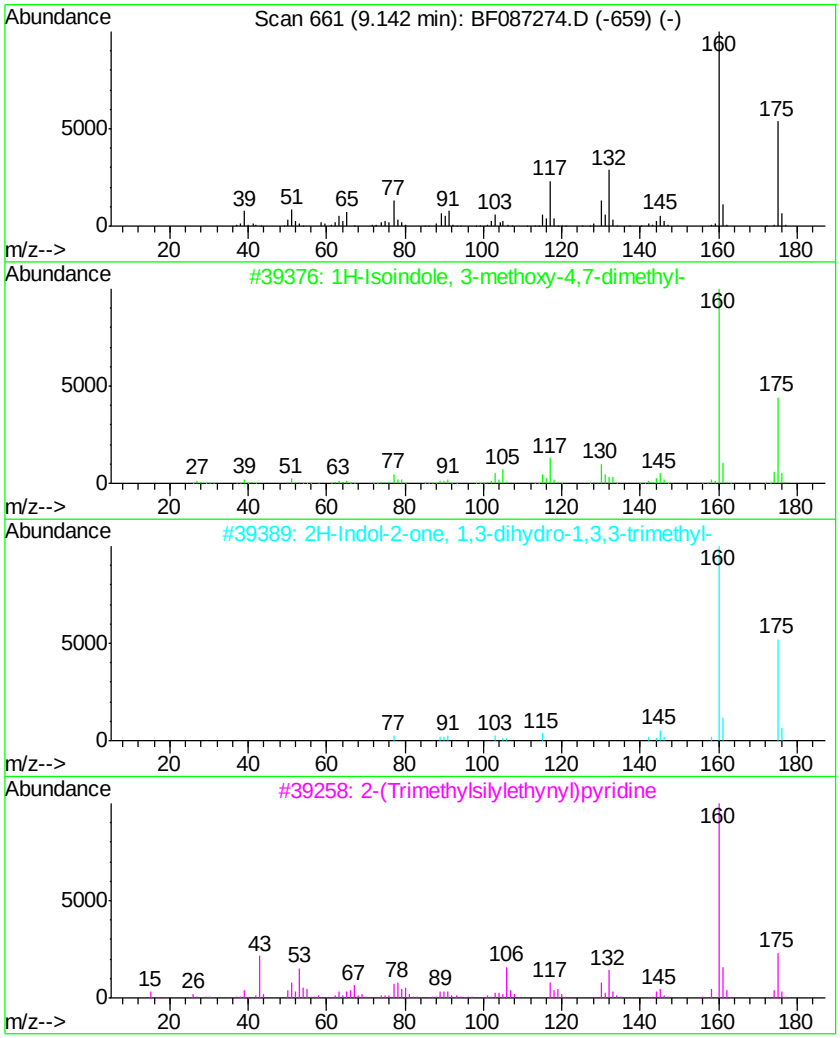
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

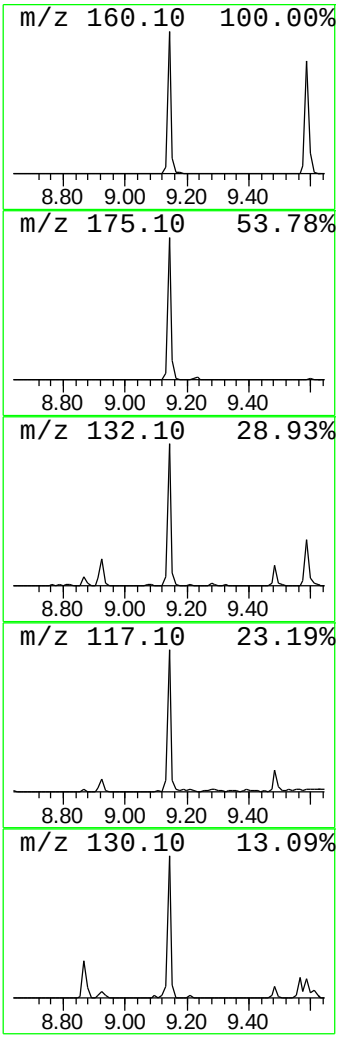
****

Peak Number 11 1H-Isoindole, 3-methoxy-4,7... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	7.90 ng	551540	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Isoindole, 3-methoxy-4,7-dime...	175	C11H13NO	100813-60-3	94
2	2H-Indol-2-one, 1,3-dihydro-1,3,...	175	C11H13NO	020200-86-6	62
3	2-(Trimethylsilylethynyl)pyridine	175	C10H13NSi	086521-05-3	59
4	3H-Indole, 3-methoxy-2,3-dimethyl-	175	C11H13NO	037914-61-7	58
5	1H-Isoindole-1,3(2H)-dione, N-et...	175	C10H9NO2	005022-29-7	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

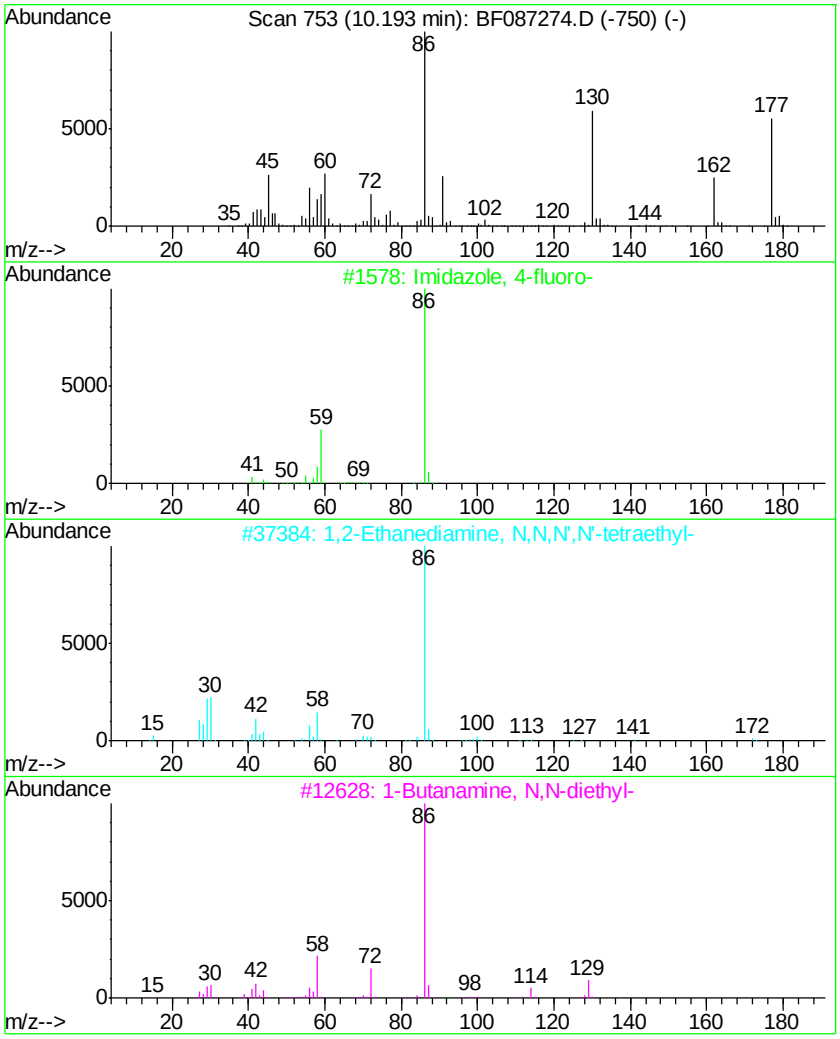
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

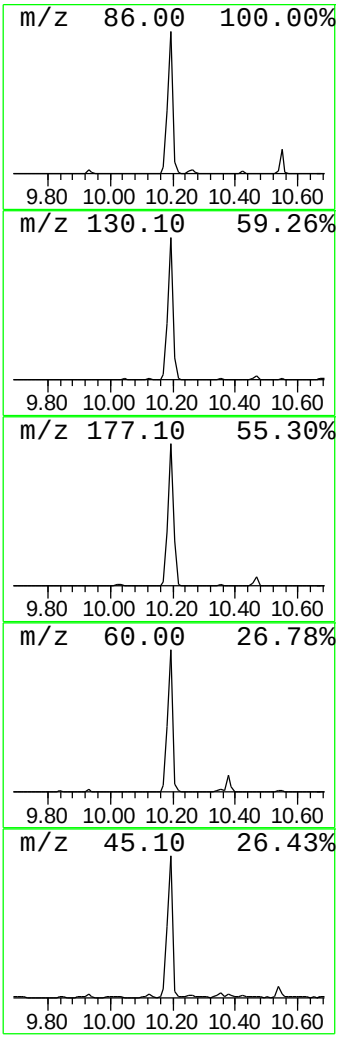
****

Peak Number 12 unknown10.19 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.19	61.96 ng	4327320	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazole, 4-fluoro-	86	C3H3FN2	030086-17-0	25
2	1,2-Ethanediamine, N,N,N',N'-tet...	172	C10H24N2	000150-77-6	22
3	1-Butanamine, N,N-diethyl-	129	C8H19N	004444-68-2	22
4	Diethylpent-4-enylamine	141	C9H19N	013173-21-2	22
5	Cinnamic acid, 2-(diethylamino)e...	247	C15H21NO2	010369-88-7	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

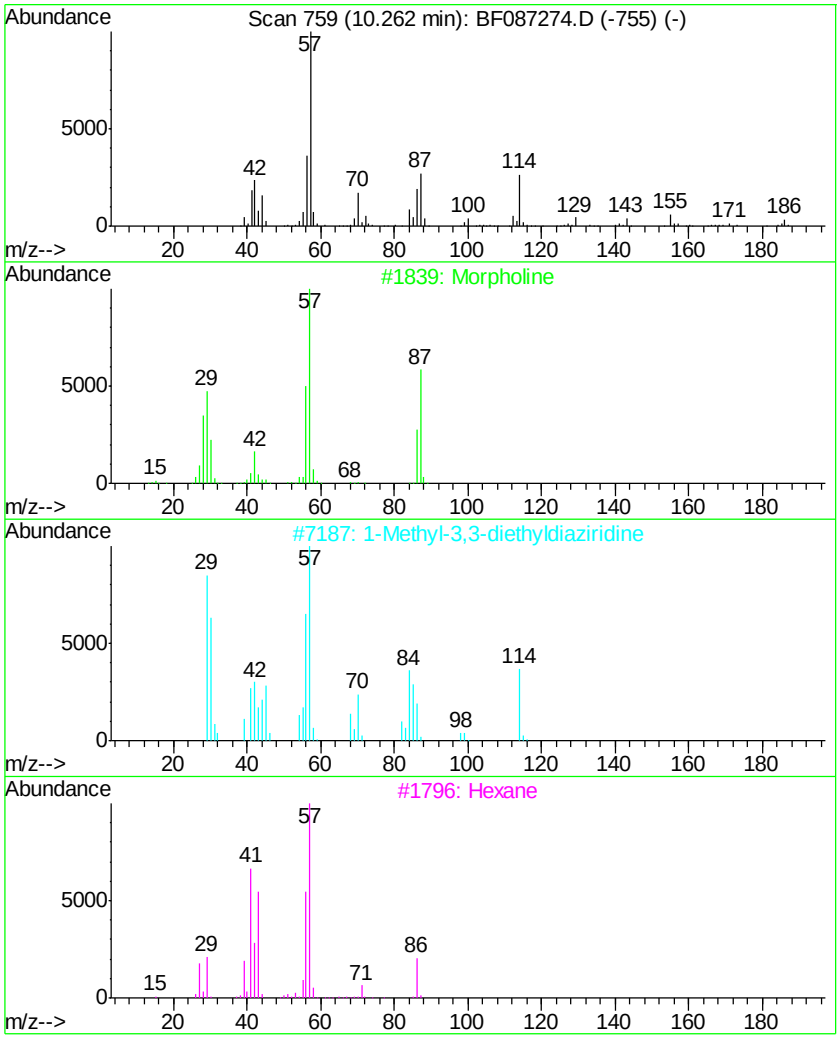
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

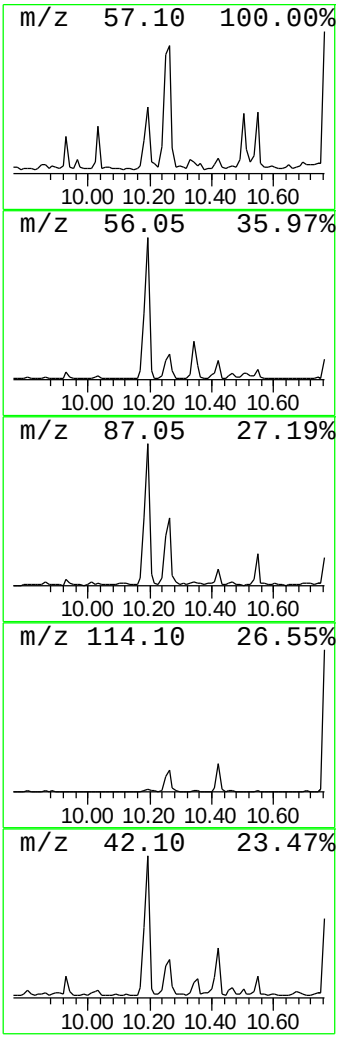
****

Peak Number 13 unknown10.26 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	6.15 ng	429883	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Morpholine	87	C4H9NO	000110-91-8	49
2	1-Methyl-3,3-diethyldiaziridine	114	C6H14N2	052551-69-6	47
3	Hexane	86	C6H14	000110-54-3	35
4	3-Pentanol, 3-(1,1-dimethylethyl...	200	C13H28O	041902-42-5	27
5	n-Butyro-morpholine	157	C8H15NO2	005327-51-5	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

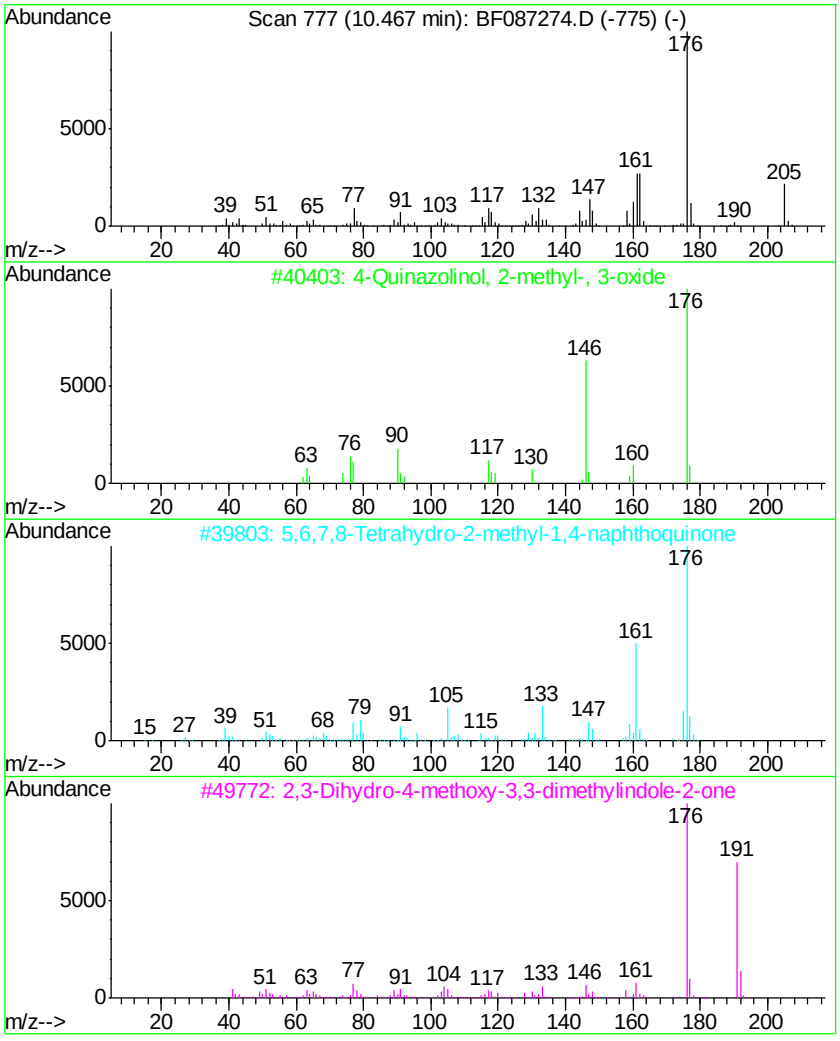
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

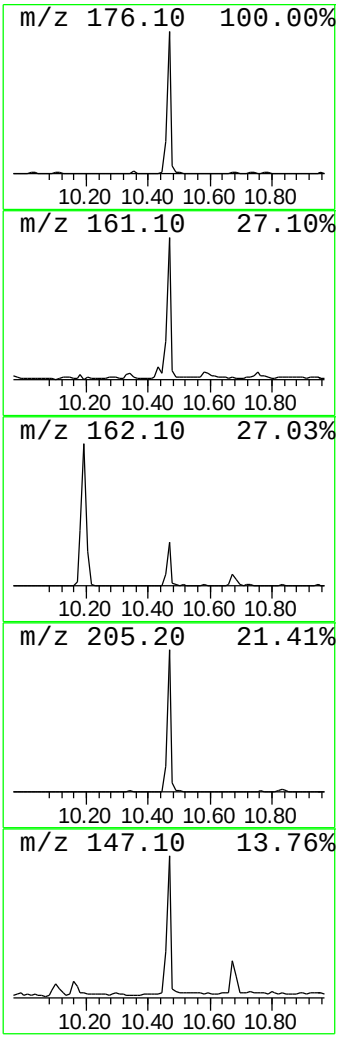
****

Peak Number 14 unknown10.47 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	13.89 ng	765770	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Quinazolinol, 2-methyl-, 3-oxide	176	C9H8N2O2	054518-07-9	47
2	5,6,7,8-Tetrahydro-2-methyl-1,4-...	176	C11H12O2	000058-26-4	47
3	2,3-Dihydro-4-methoxy-3,3-dimeth...	191	C11H13NO2	192928-47-5	43
4	7H-Indeno[5,6-b]furan-7-one, 4,4...	176	C11H12O2	1000221-49-9	38
5	Furan, 2,2'-methylenebis[5-methyl-	176	C11H12O2	013679-43-1	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

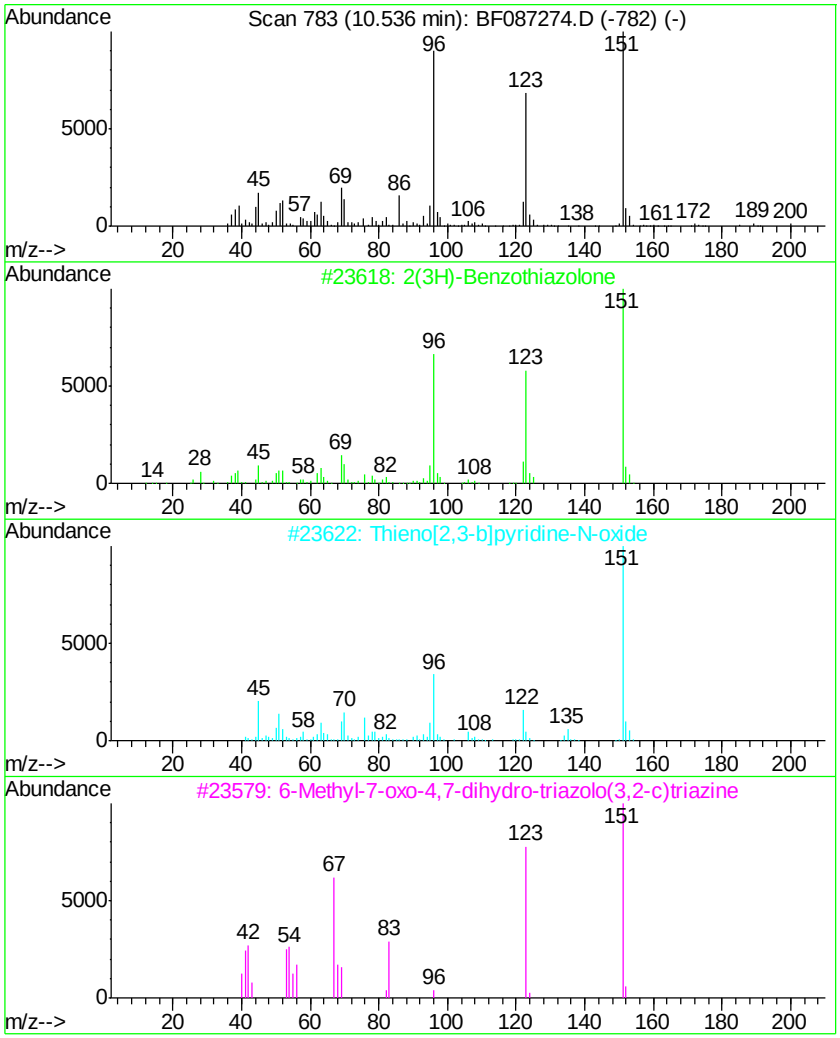
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

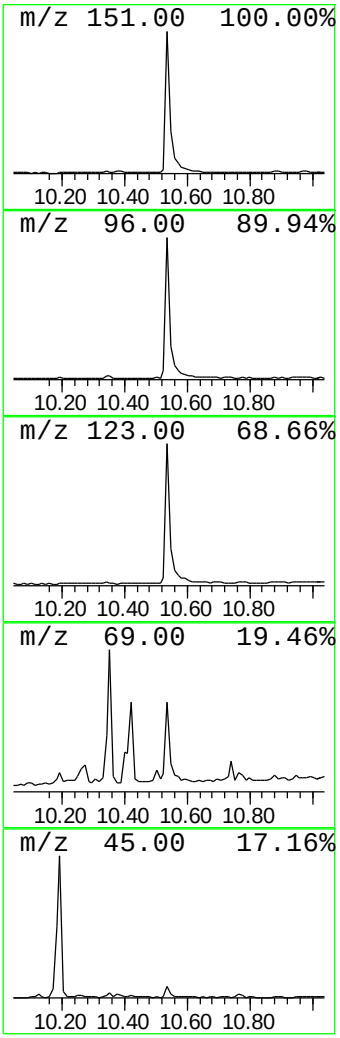
****

Peak Number 15 2(3H)-Benzothiazolone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	11.25 ng	620359	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Benzothiazolone	151	C7H5NOS	000934-34-9	96
2	Thieno[2,3-b]pyridine-N-oxide	151	C7H5NOS	025557-50-0	46
3	6-Methyl-7-oxo-4,7-dihydro-triaz...	151	C5H5N5O	057250-39-2	43
4	2H-Pyran-2-carboxylic acid, 5-et...	196	C10H12O4	019776-81-9	38
5	5-Cyclohexyl-1-pentene	152	C11H20	005729-54-4	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

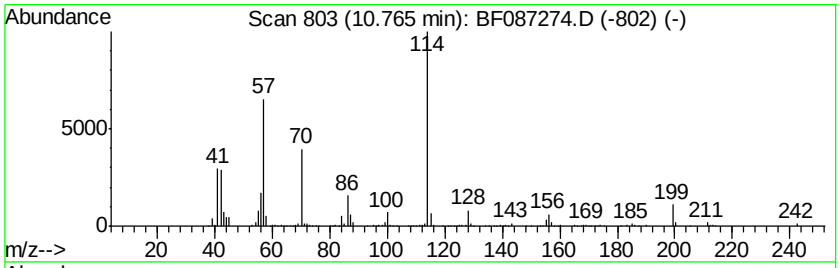
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

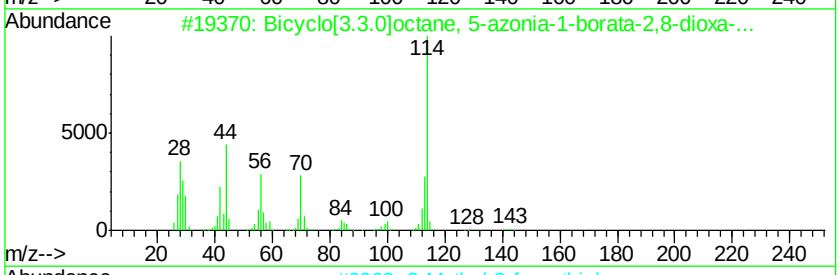
****

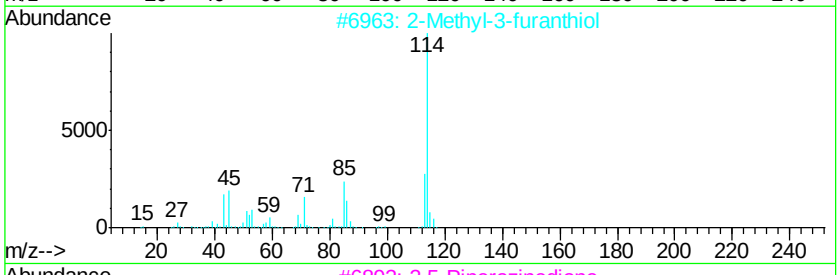
Peak Number 16 Bicyclo[3.3.0]octane, 5-azo... Concentration Rank 14

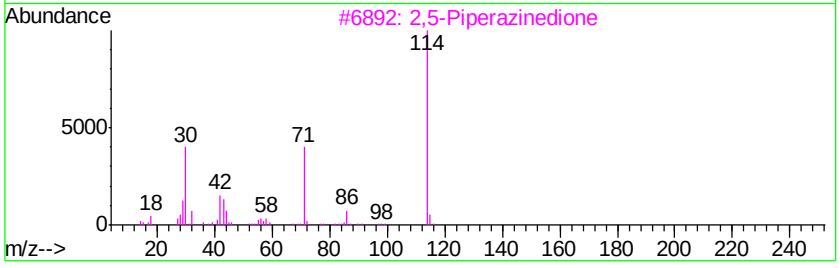
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	10.37 ng	571699	Phenanthrene-d10	11.06

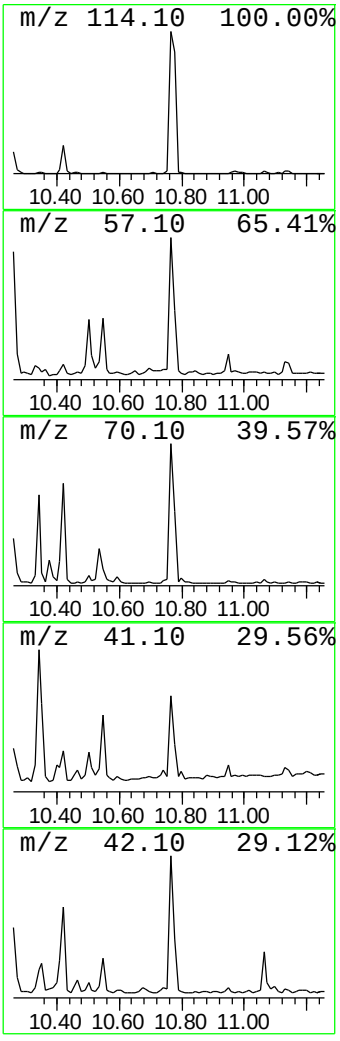
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.0]octane, 5-azonia-1...	143	C6H14BNO2	004542-54-5	50
2	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	38
3	2,5-Piperazinedione	114	C4H6N2O2	000106-57-0	38
4	3-Methyl-4-amino-4,5(1H)-dihydro...	114	C3H6N4O	004194-37-0	37
5	Morpholine-4-carboxylic acid (mo...	326	C13H18N4O4S	1000295-93-8	36











Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

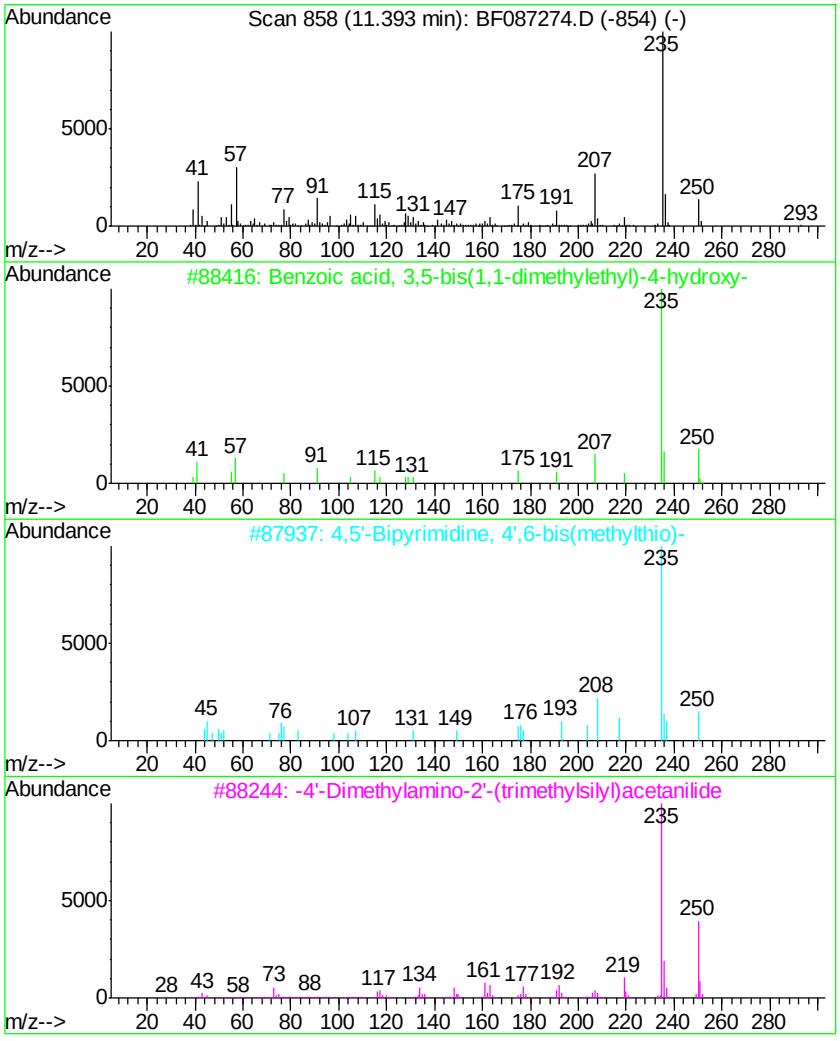
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

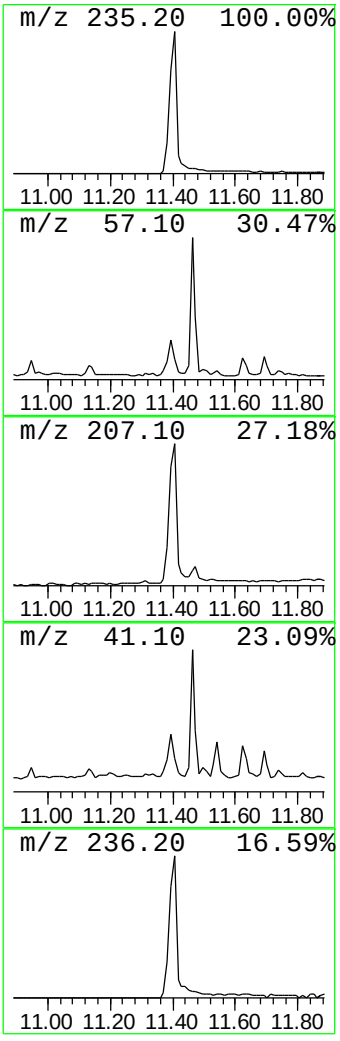
****

Peak Number 17 Benzoic acid, 3,5-bis(1,1-d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	14.29 ng	787965	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3,5-bis(1,1-dimeth...	250	C15H22O3	001421-49-4	98
2	4,5'-Bipyrimidine, 4',6-bis(meth...	250	C10H10N4S2	059549-36-9	64
3	-4'-Dimethylamino-2'-(trimethyls...	250	C13H22N2OSi	018410-40-7	59
4	Silane, 9-anthracenyltrimethyl-	250	C17H18Si	056272-35-6	53
5	2,4,6(1H,3H,5H)-Pyrimidinetrione...	250	C13H18N2O3	000726-79-4	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

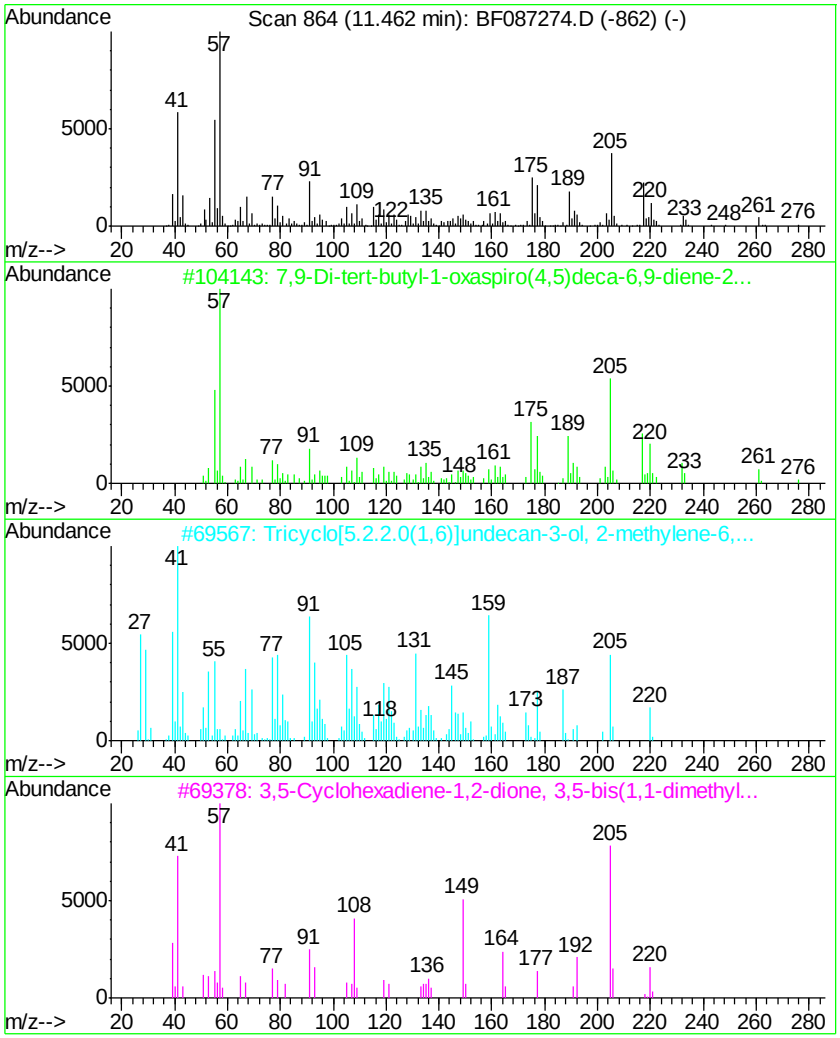
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

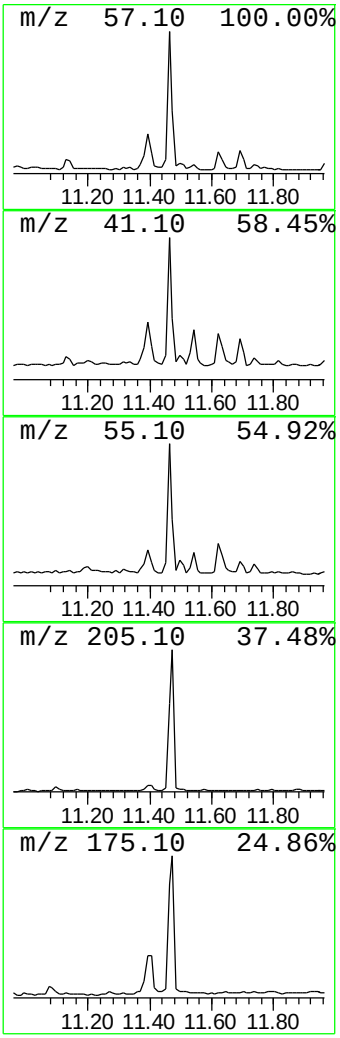
****

Peak Number 18 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	22.14 ng	1220630	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	99
2	Tricyclo[5.2.2.0(1,6)]undecan-3-...	220	C15H24O	1000159-37-6	27
3	3,5-Cyclohexadiene-1,2-dione, 3,...	220	C14H20O2	003383-21-9	22
4	4a,7-Methano-4aH-naphth[1,8a-b]o...	220	C15H24O	067999-56-8	11
5	Silane, tert-butyldichlorophenyl-	232	C10H14Cl2Si	017887-41-1	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

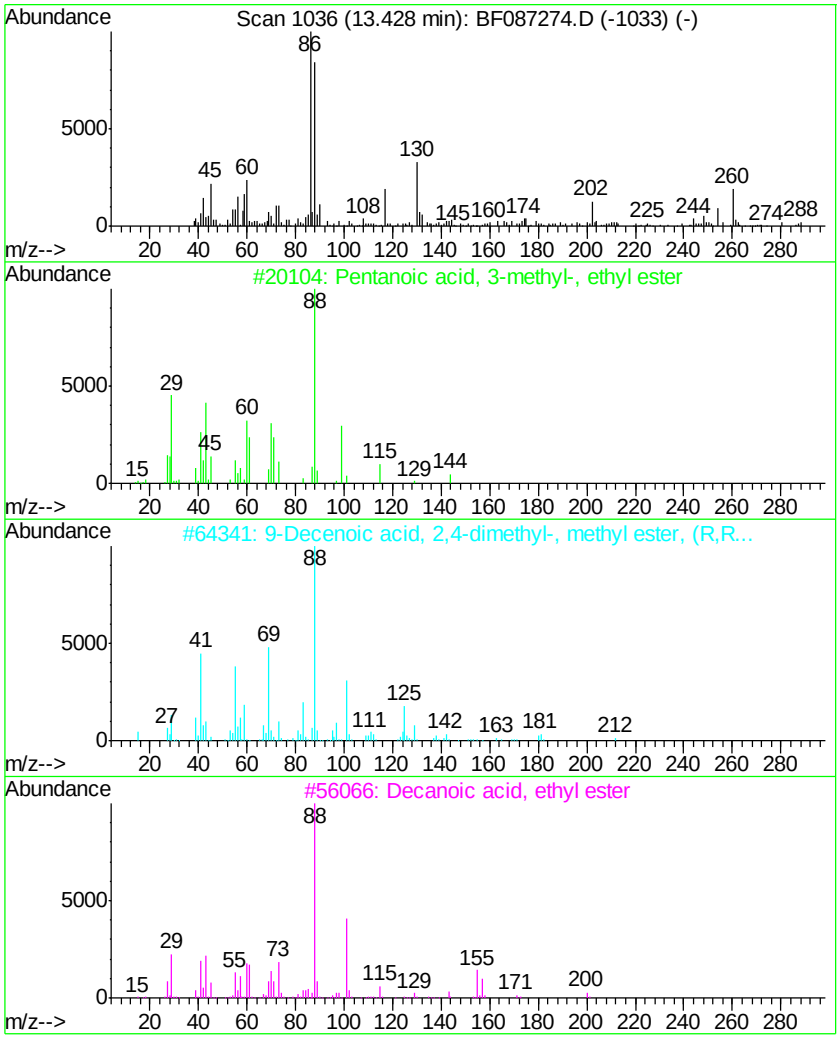
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

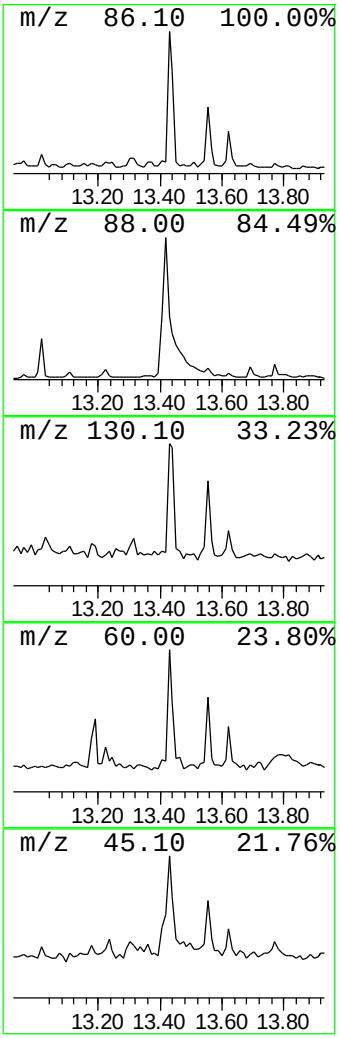
****

Peak Number 19 unknown13.43 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	8.96 ng	335981	Chrysene-d12	13.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 3-methyl-, ethyl...	144	C8H16O2	005870-68-8	25
2	9-Decenoic acid, 2,4-dimethyl-, ...	212	C13H24O2	031183-23-0	20
3	Decanoic acid, ethyl ester	200	C12H24O2	000110-38-3	18
4	Diethyl(3-decyn-1-yl)amine	209	C14H27N	063791-57-1	18
5	Methyl 2,6-dimethyltridecanoate	256	C16H32O2	073105-76-7	18





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

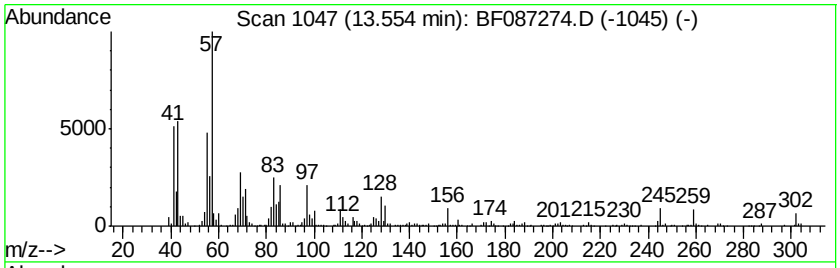
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

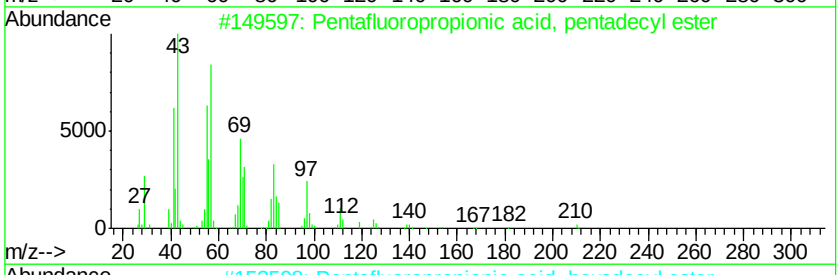
****

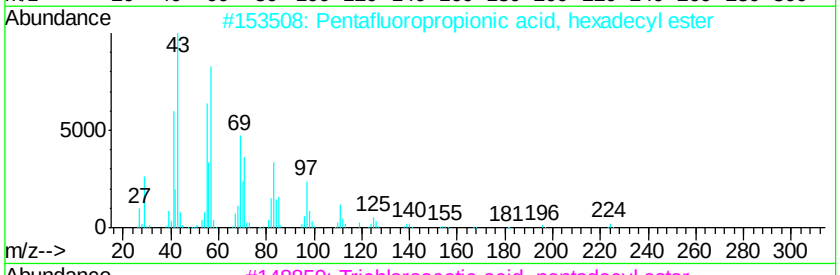
Peak Number 20 unknown13.55 Concentration Rank 15

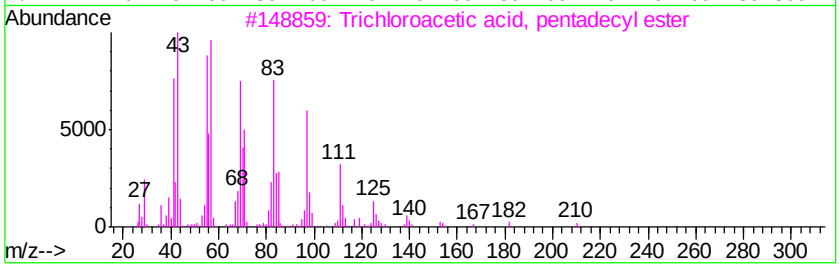
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	9.80 ng	367271	Chrysene-d12	13.69

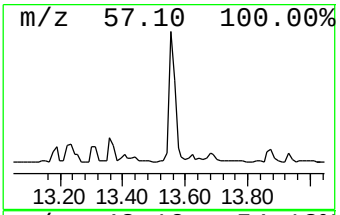
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, penta...	374	C18H31F5O2	1000280-07-5	42
2	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	42
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	41
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	41
5	9-Eicosene, (E)-	280	C20H40	074685-29-3	41

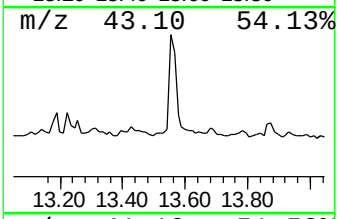


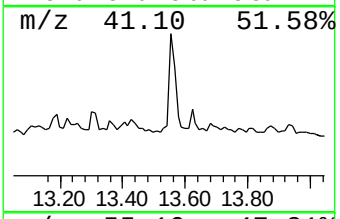


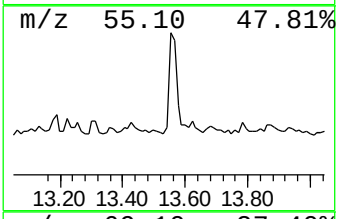


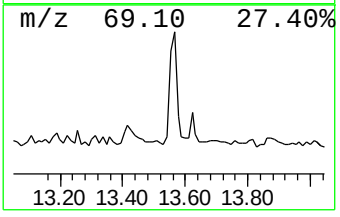












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
Data File : BF087274.D
Acq On : 21 May 2016 15:53
Operator : UM/SJ
Sample : H3185-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SYSDIS-051916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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
3-Penten-2-one, 4...	3.92	124.2	ng	5727930	1	6.56	922363	20.0
2-Pentanone, 4-hy...	4.68	98.5	ng	4545030	1	6.56	922363	20.0
2-Pentanone, 4-me...	5.54	22.2	ng	1025430	1	6.56	922363	20.0
Ethane, 1,1'-oxyb...	5.93	8.9	ng	410580	1	6.56	922363	20.0
unknown6.33	6.33	48.6	ng	2241910	1	6.56	922363	20.0
Methanamine, N-(1...	7.26	12.5	ng	717100	2	7.84	1150220	20.0
Dimethyl-dithioca...	8.39	11.0	ng	634370	2	7.84	1150220	20.0
1H-Isoindole, 3-m...	9.14	7.9	ng	551540	3	9.59	1396900	20.0
unknown10.19	10.19	62.0	ng	4327320	3	9.59	1396900	20.0
unknown10.26	10.26	6.2	ng	429883	3	9.59	1396900	20.0
unknown10.47	10.47	13.9	ng	765770	4	11.06	1102640	20.0
2(3H)-Benzothiazo...	10.54	11.3	ng	620359	4	11.06	1102640	20.0
Bicyclo[3.3.0]oct...	10.76	10.4	ng	571699	4	11.06	1102640	20.0
Benzoic acid, 3,5...	11.39	14.3	ng	787965	4	11.06	1102640	20.0
7,9-Di-tert-butyl...	11.46	22.1	ng	1220630	4	11.06	1102640	20.0
unknown13.43	13.43	9.0	ng	335981	5	13.69	749861	20.0
unknown13.55	13.55	9.8	ng	367271	5	13.69	749861	20.0