LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

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-BF092815.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	5.040	251	254	265	rVB	697509	1076068	49.52%	4.965%
2	5.451	288	290	293	rBV	1486357	2064892	95.02%	9.528%
3	6.492	378	381	383	rBV	1948397	2173088	100.00%	10.027%
4	6.617	390	392	395	rBV	1942080	2059579	94.78%	9.504%
5	6.846	410	412	415	rBV	447393	502396	23.12%	2.318%
6	7.006	424	426	429	rBV	1756363	1584120	72.90%	7.310%
7	7.417	459	462	465	rBV	985562	1067770	49.14%	4.927%
8	7.520	468	471	475	rVB2	28168	50295	2.31%	0.232%
9	8.137	523	525	527	rBV	781577	712459	32.79%	3.288%
10	8.949	594	596	599	rVB	39926	35389	1.63%	0.163%
11	9.223	617	620	622	rBV	1393544	2015688	92.76%	9.301%
12	9.612	652	654	656	rBV	444310	370942	17.07%	1.712%
13	9.898	676	679	681	rBV	685425	676952	31.15%	3.124%
14	10.309	712	715	717	rBV3	50890	84927	3.91%	0.392%
15	10.641	743	744	746	rBV	20742	37534	1.73%	0.173%
16	10.686	746	748	750	rVB	1236381	1172515	53.96%	5.410%
17	10.812	756	759	762	rBV2	76232	98567	4.54%	0.455%
18	10.858	762	763	765	rBV	145189	193453	8.90%	0.893%
19	10.892	765	766	768	rVV2	178735	233777	10.76%	1.079%
20	10.926	768	769	773	rVV	146678	217241	10.00%	1.002%
21	10.983	773	774	777	rVV3	40832	86721	3.99%	0.400%
22	11.041	777	779	781	rVV2	110077	134501	6.19%	0.621%
23	11.075	781	782	785	rVV	120836	152779	7.03%	0.705%
24	11.121	785	786	788	rVB	69960	52639	2.42%	0.243%
25	11.269	795	799	800	rBV2	28928	57003	2.62%	0.263%
26	11.383	806	809	811	rBV	545952	567117	26.10%	2.617%
27	11.452	812	815	817	rVB3	12961	24722	1.14%	0.114%
28	11.601	825	828	832	rBV	141577	138389	6.37%	0.639%
29	11.909	851	855	857	rBV	66039	81179	3.74%	0.375%
30	12.161	875	877	878	rBV	17876	21989	1.01%	0.101%
31	12.424	898	900	902	rBV	204894	265863	12.23%	1.227%
32	12.492	905	906	909	rVB	25725	25743	1.18%	0.119%
33	12.595	913	915	917	rBV	18825	24713	1.14%	0.114%
34	12.686	921	923	928	rBV3	16497	29958	1.38%	0.138%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

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-BF092815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.789	929	932	933	rBV	186644	225772	10.39%	1.042%
36	12.846	933	937	941	rVB2	128371	188604	8.68%	0.870%
37	12.972	945	948	950	rBV	1465567	1669797	76.84%	7.705%
38	13.487	991	993	995	rVB2	131504	144574	6.65%	0.667%
39	13.532	995	997	998	rBV	30367	27677	1.27%	0.128%
40	13.852	1023	1025	1033	rVB	129624	182679	8.41%	0.843%
41	13.989	1034	1037	1038	rBV	53456	87123	4.01%	0.402%
42	14.024	1038	1040	1042	rVB	436344	463981	21.35%	2.141%
43	14.184	1052	1054	1056	rVB	30782	33975	1.56%	0.157%
44	14.481	1078	1080	1083	rBV	30968	51818	2.38%	0.239%
45	14.790	1104	1107	1110	rVB2	29733	44033	2.03%	0.203%
46	15.110	1133	1135	1137	rBV	22401	32049	1.47%	0.148%
47	15.464	1163	1166	1172	rBV	269933	402068	18.50%	1.855%
48	15.944	1206	1208	1212	rBV5	9873	26611	1.22%	0.123%

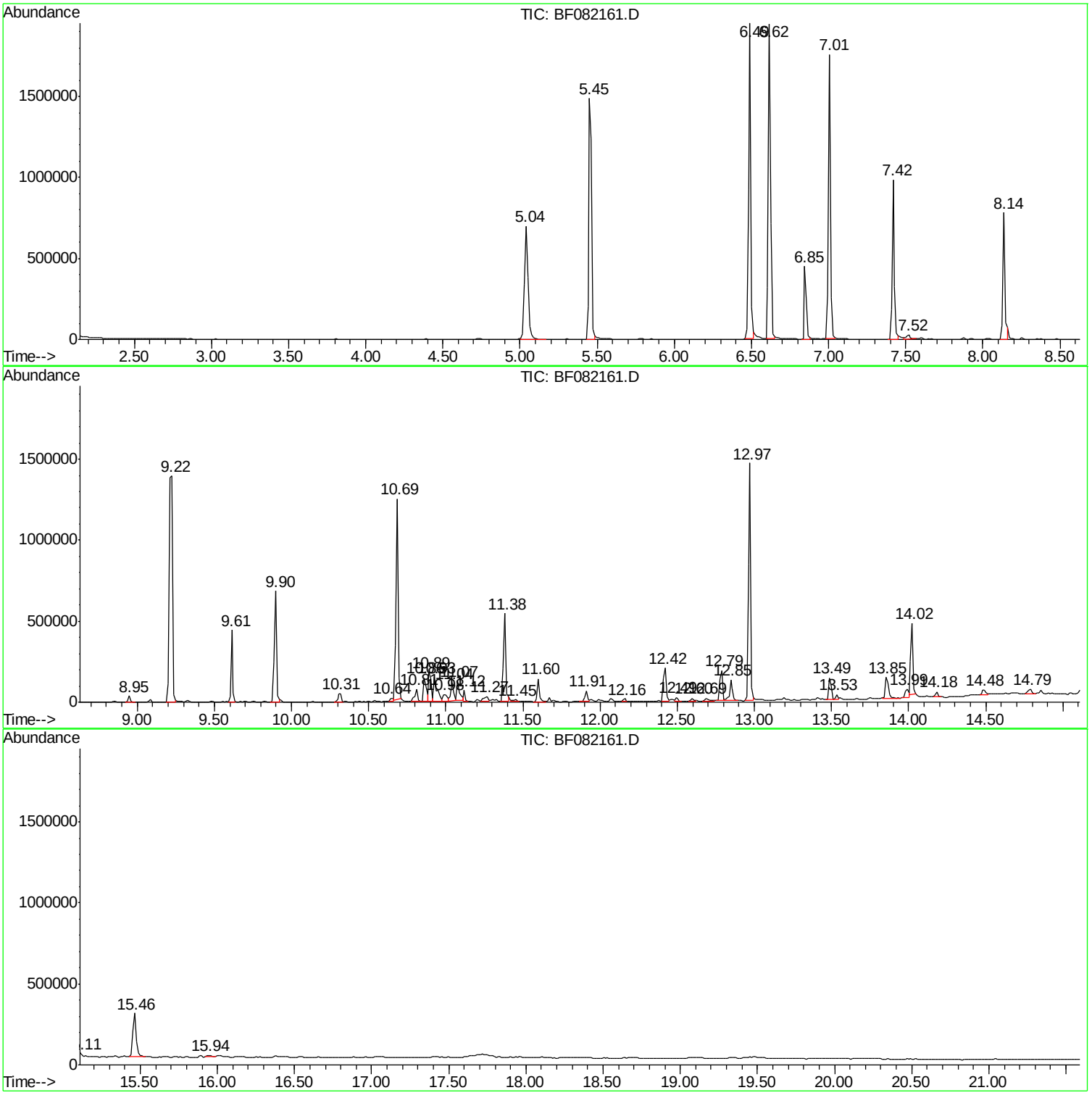
Sum of corrected areas: 21671729

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

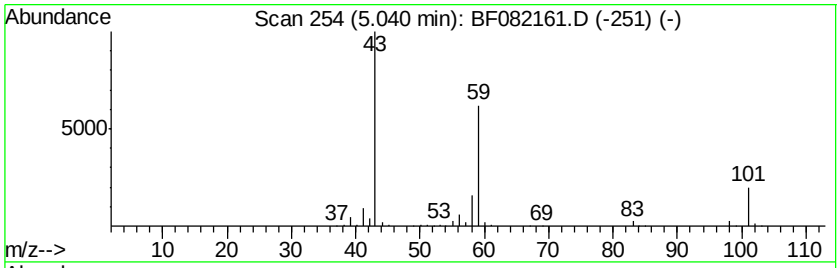
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

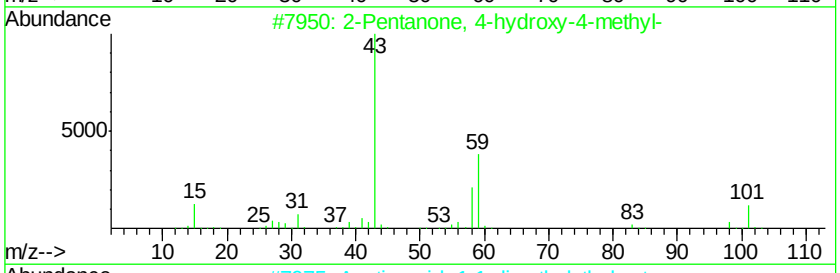
****

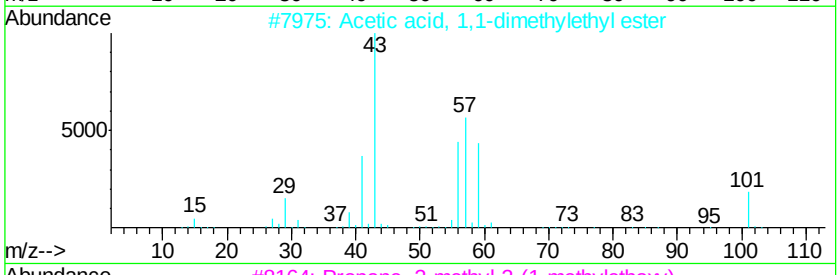
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

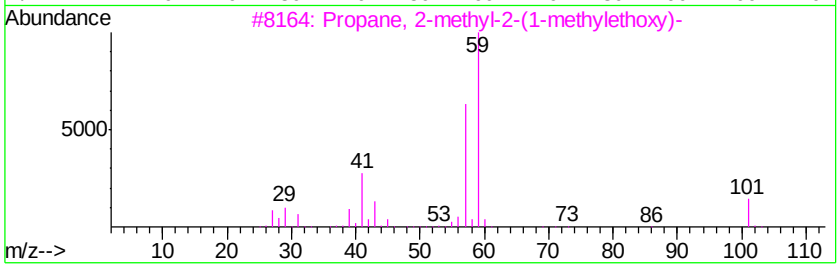
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	42.84 ng	1076070	1,4-Dichlorobenzene-d4	6.85

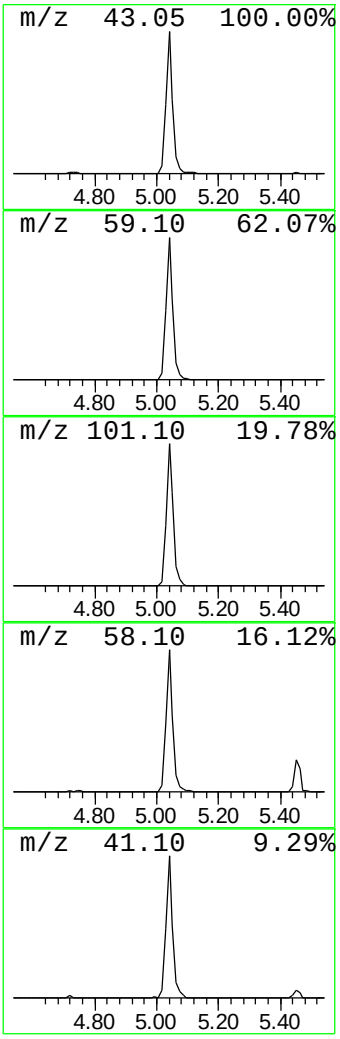
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25











Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

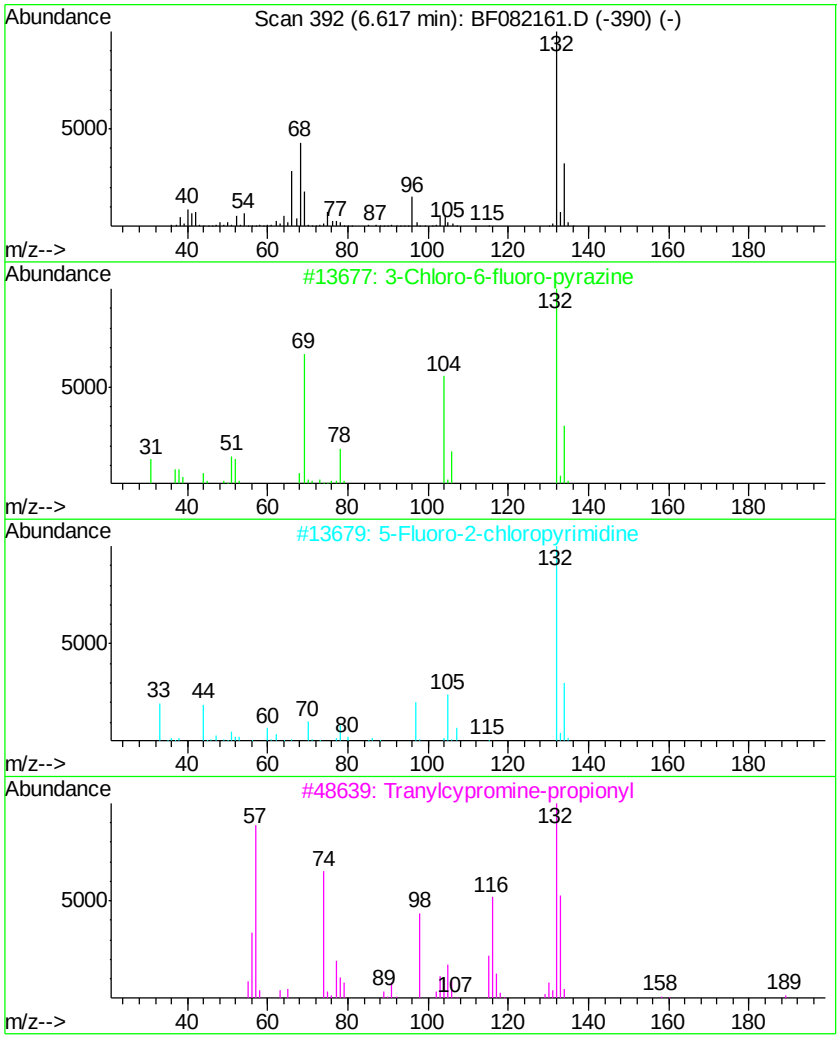
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

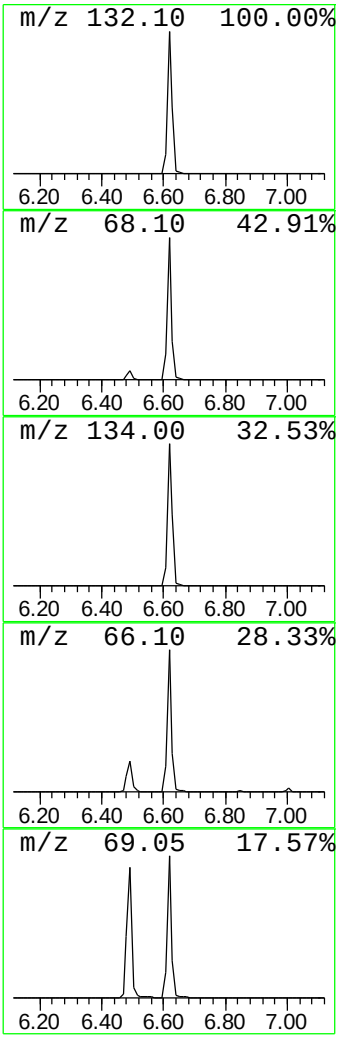
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	81.99 ng	2059580	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
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





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

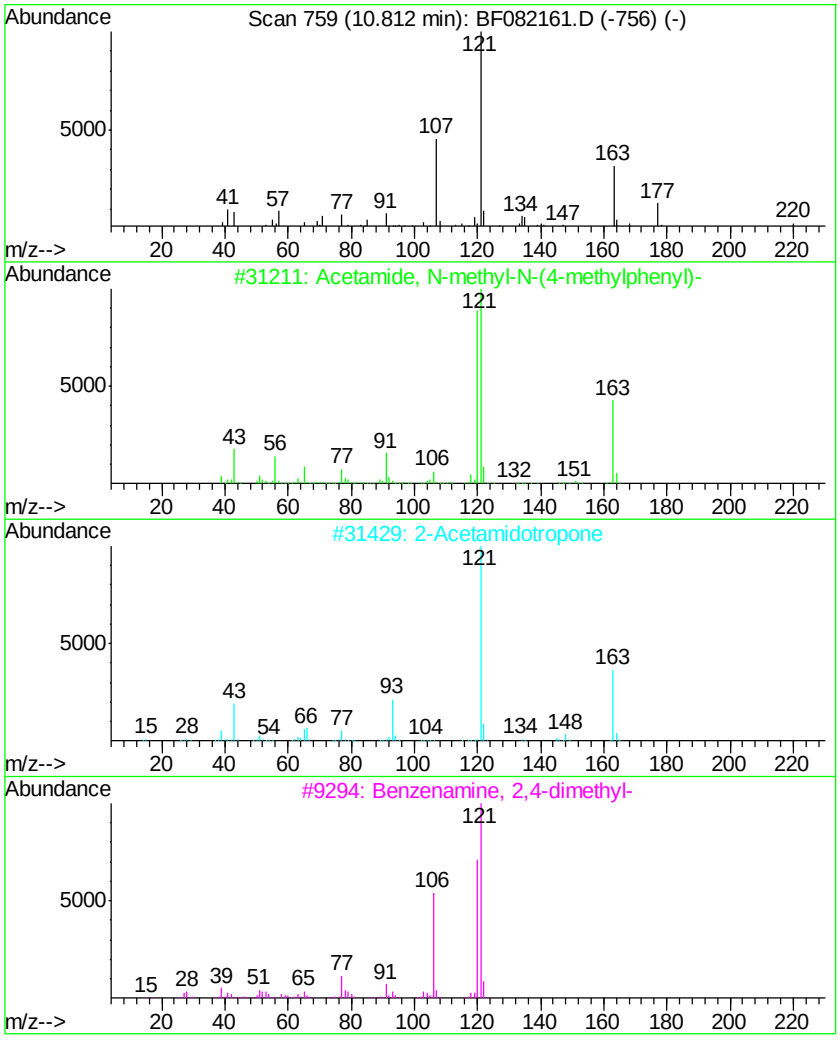
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

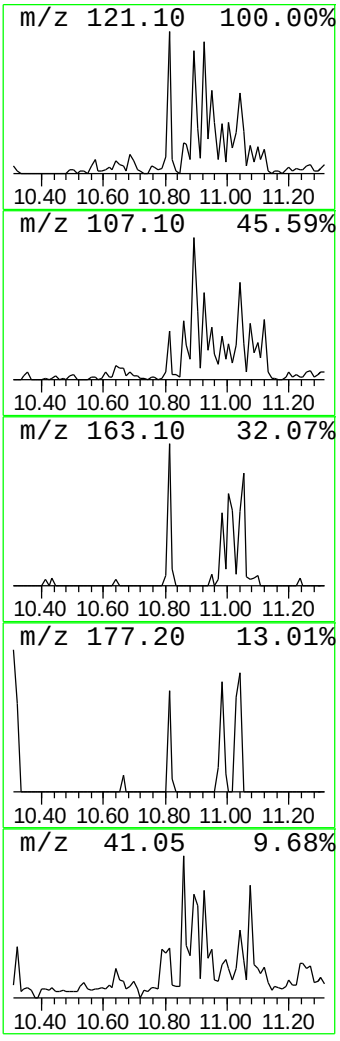
****

Peak Number 4 Acetamide, N-methyl-N-(4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	3.48 ng	98567	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-methyl-N-(4-methylp...	163	C10H13NO	000612-03-3	50
2	2-Acetamidotropone	163	C9H9NO2	006422-12-4	47
3	Benzenamine, 2,4-dimethyl-	121	C8H11N	000095-68-1	43
4	N-Allyl-p-hydroxybenzamide	177	C10H11NO2	090921-72-5	43
5	Benzene, 1-methoxy-4-octyl-	220	C15H24O	067698-82-2	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

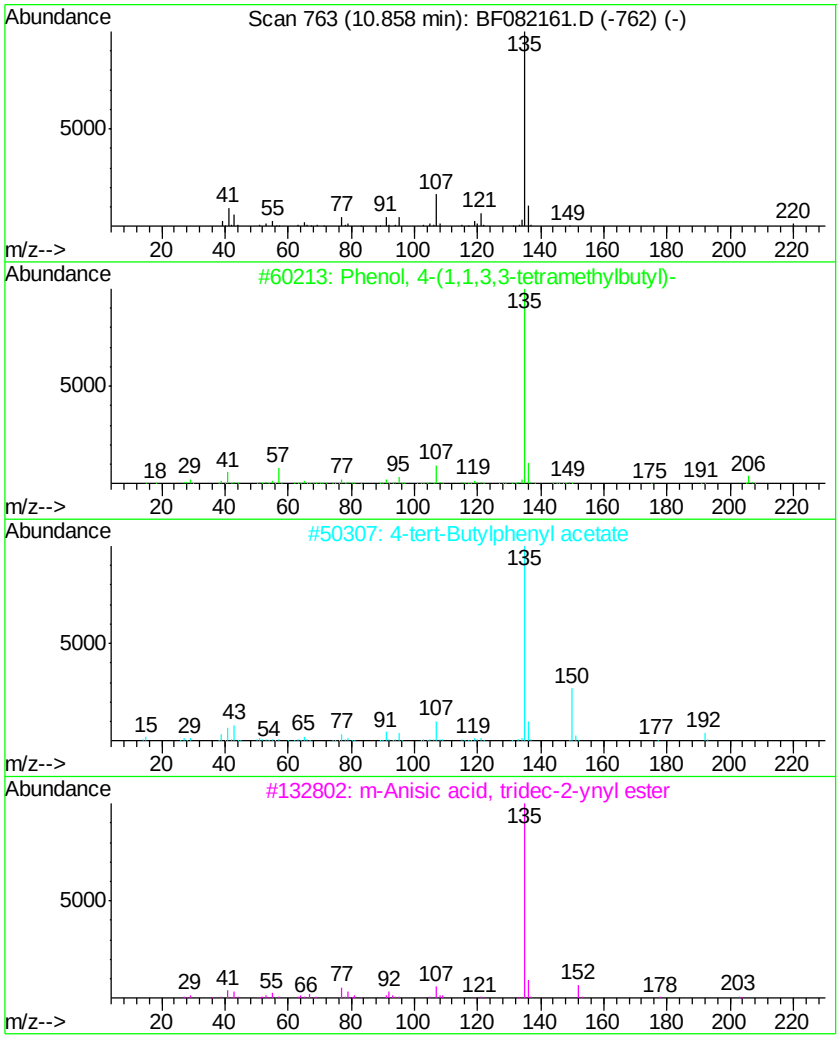
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

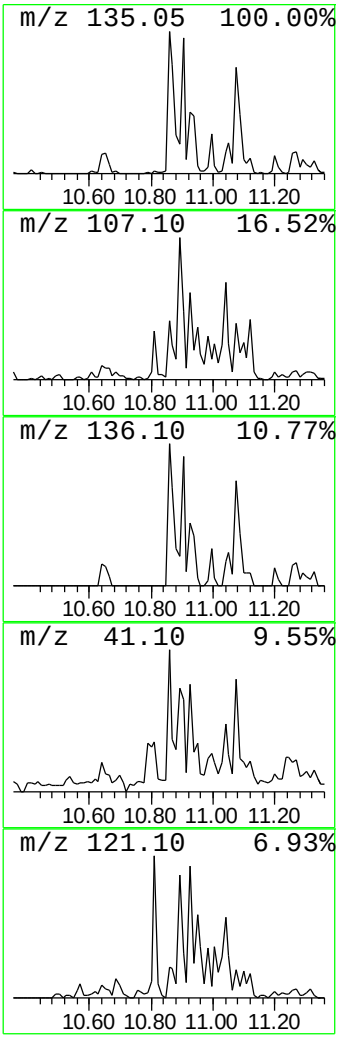
****

Peak Number 5 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	6.82 ng	193453	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
2	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	72
3	m-Anisic acid, tridec-2-ynyl ester	330	C21H30O3	1000292-59-9	59
4	((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	50
5	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

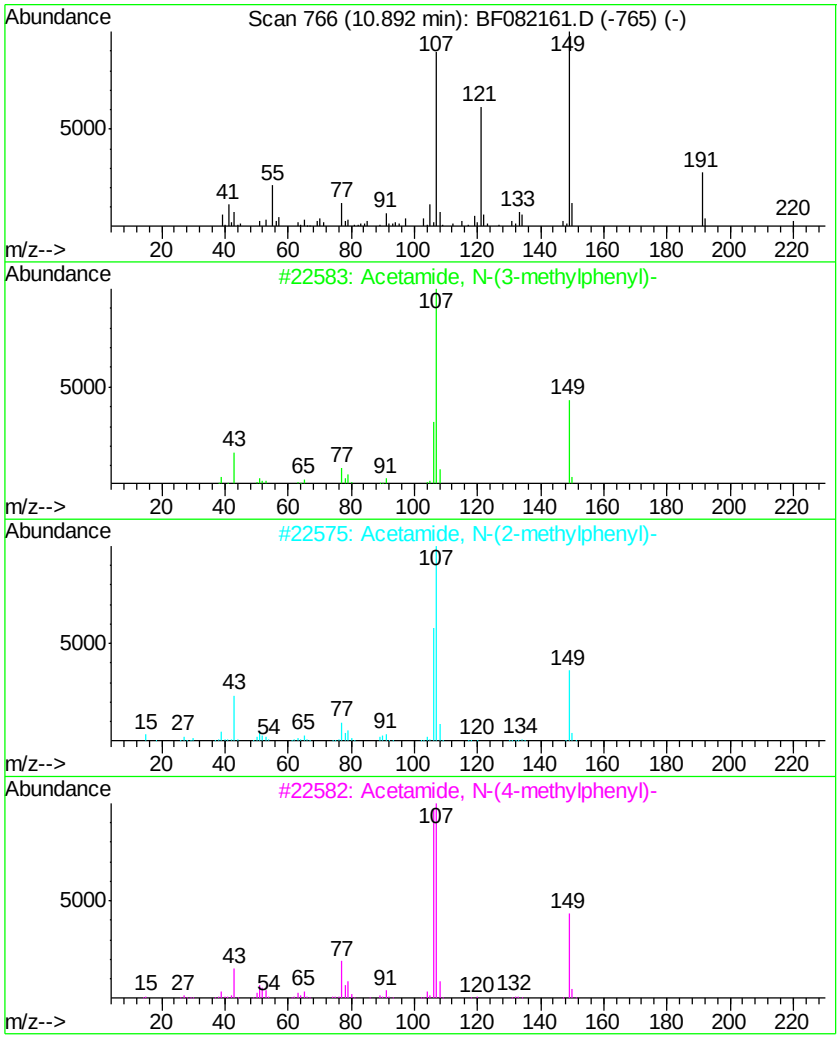
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

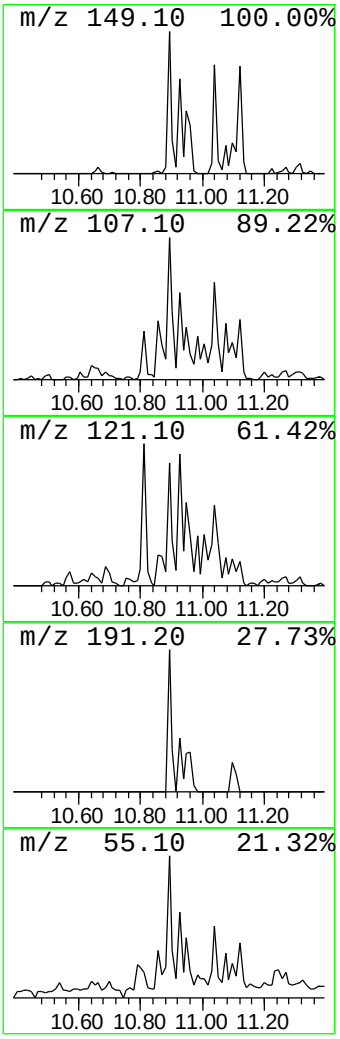
****

Peak Number 6 Acetamide, N-(3-methylphenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	8.24 ng	233777	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	59
2	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	59
3	Acetamide, N-(4-methylphenyl)-	149	C9H11NO	000103-89-9	43
4	Acetamide, N-methyl-N-phenyl-	149	C9H11NO	000579-10-2	43
5	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

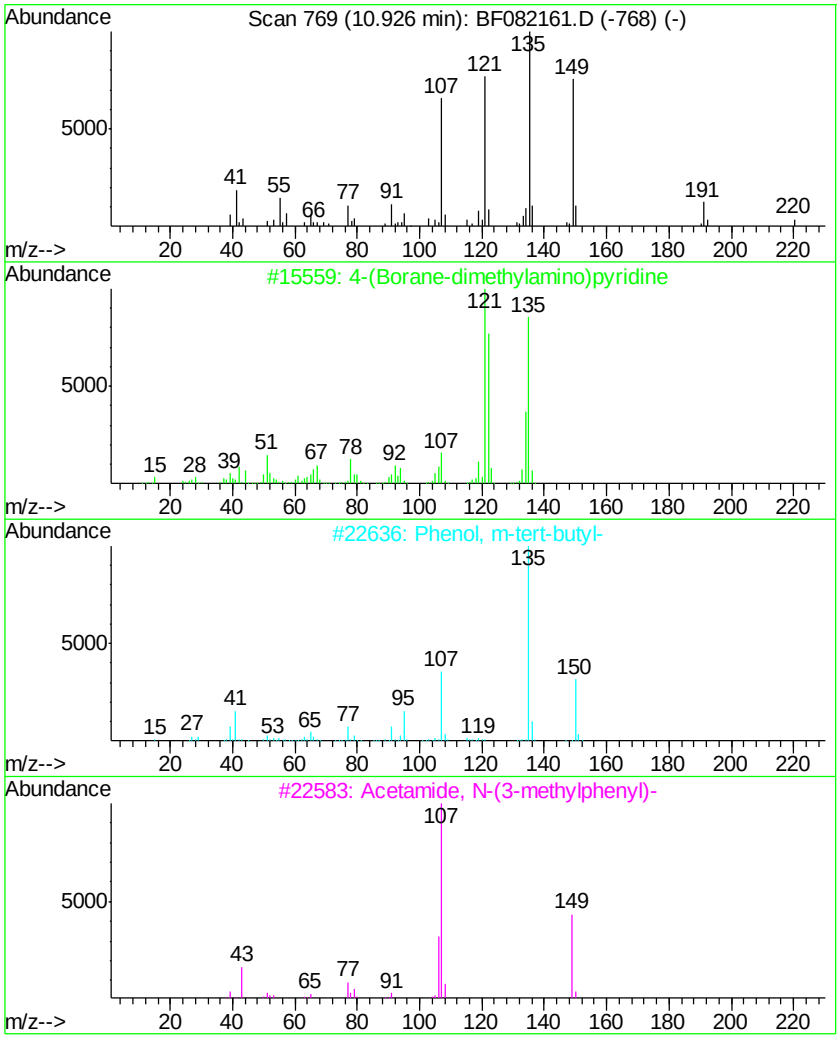
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

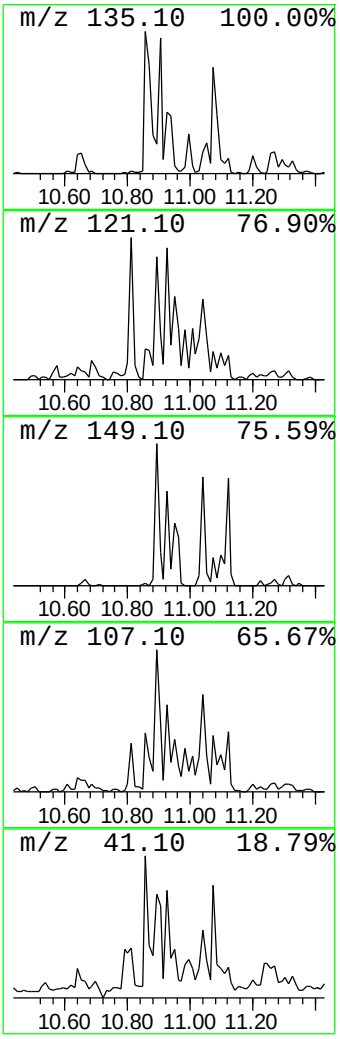
****

Peak Number 7 unknown10.93 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	7.66 ng	217241	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Borane-dimethylamino)pyridine	136	C7H13BN2	001769-74-0	38
2	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	38
3	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	27
4	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	27
5	4,6-Bis(4-ethoxybenzylthio)-5-ni...	457	C22H23N3O4S2	325957-76-4	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

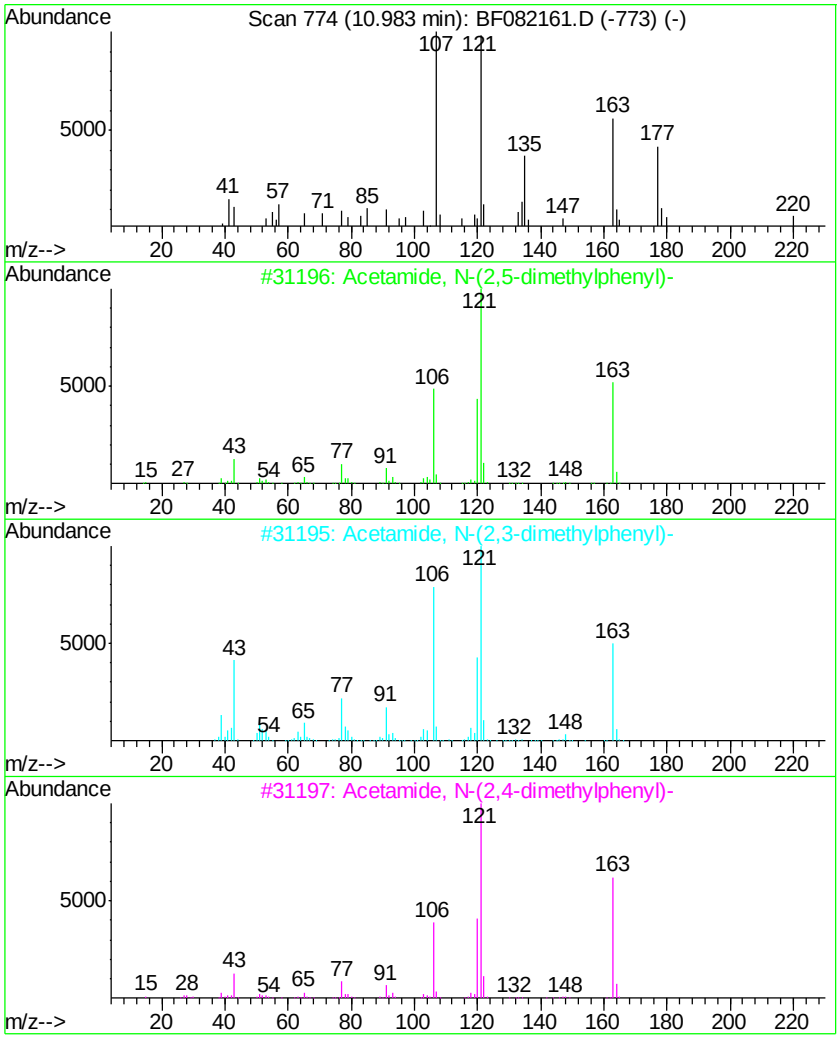
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

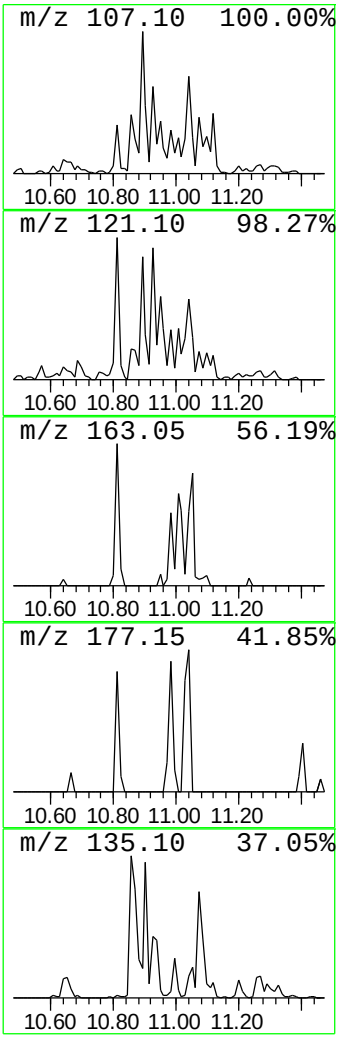
****

Peak Number 8 unknown10.98 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	3.06 ng	86721	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(2,5-dimethylphenyl)-	163	C10H13NO	002050-44-4	38
2	Acetamide, N-(2,3-dimethylphenyl)-	163	C10H13NO	000134-98-5	35
3	Acetamide, N-(2,4-dimethylphenyl)-	163	C10H13NO	002050-43-3	35
4	3',4'-Acetoxylide	163	C10H13NO	002198-54-1	35
5	Acetamide, N-(2,6-dimethylphenyl)-	163	C10H13NO	002198-53-0	35





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

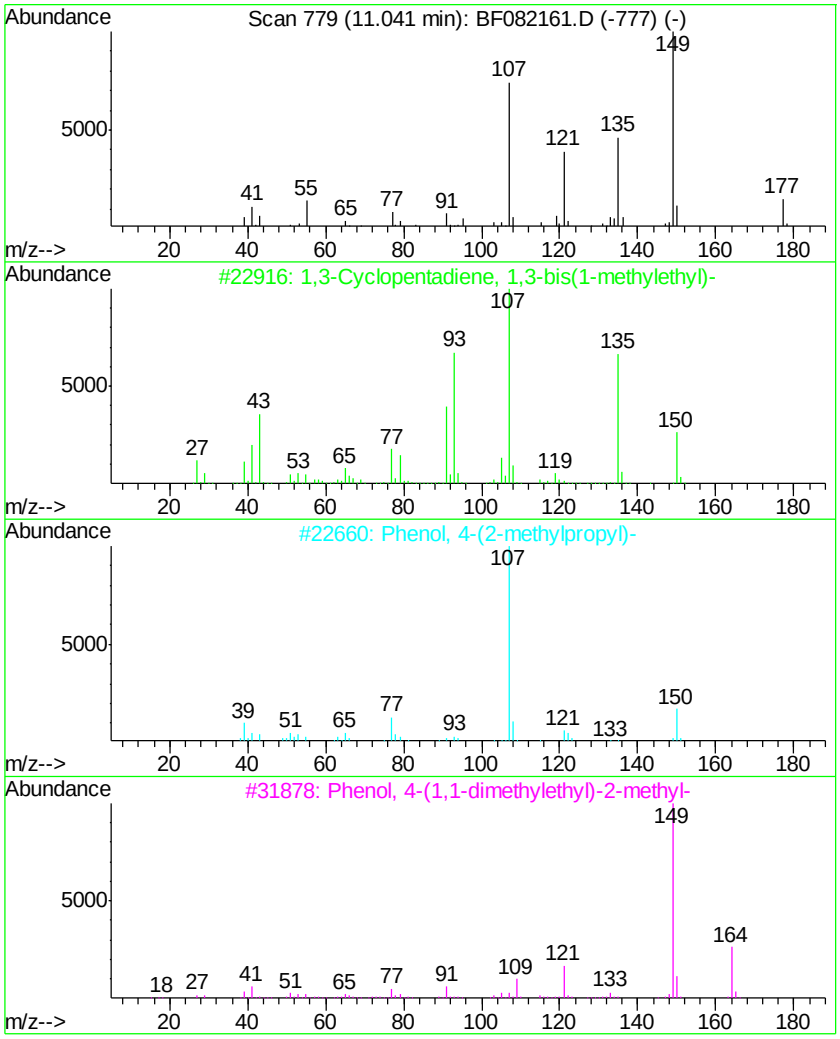
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

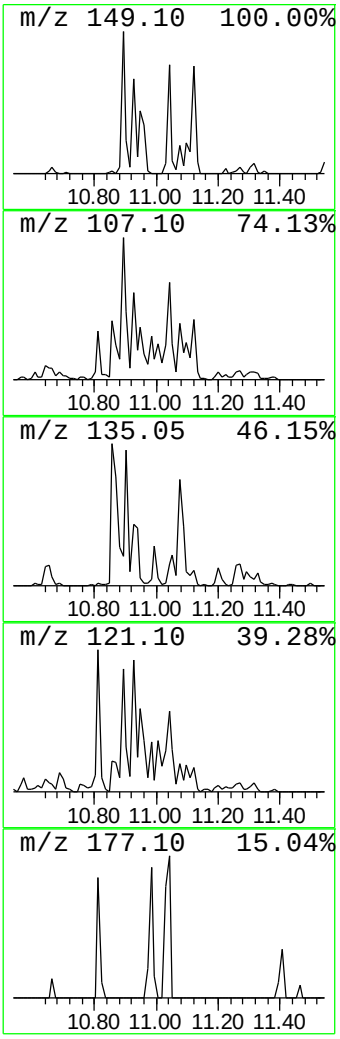
****

Peak Number 9 unknown11.04 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	4.74 ng	134501	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,3-bis(1-m...	150	C11H18	123278-27-3	38
2	Phenol, 4-(2-methylpropyl)-	150	C10H14O	004167-74-2	38
3	Phenol, 4-(1,1-dimethylethyl)-2-...	164	C11H16O	000098-27-1	35
4	Benzenemethanol, 4-(1,1-dimethyl...	164	C11H16O	000877-65-6	27
5	1-Methyl-3-ethyladamantane	178	C13H22	001687-34-9	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

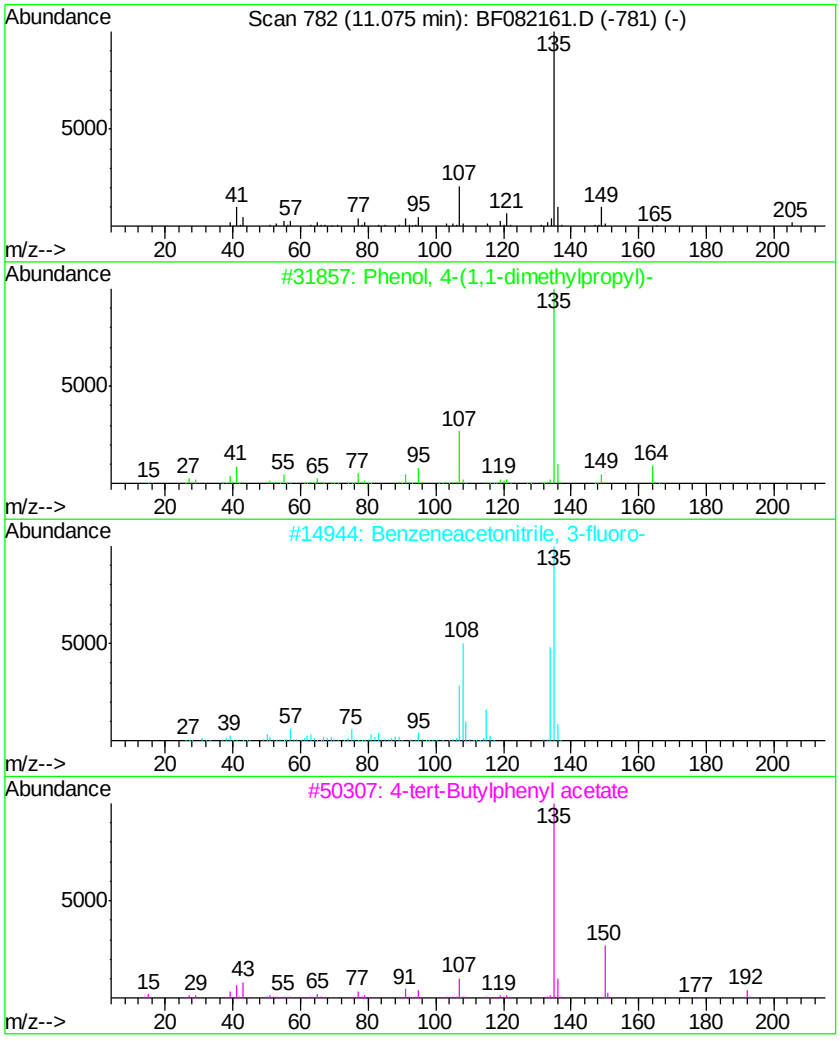
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

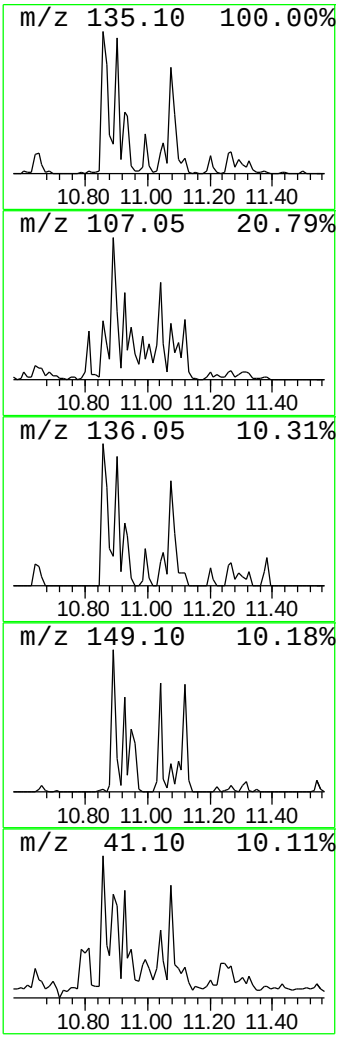
****

Peak Number 10 Phenol, 4-(1,1-dimethylprop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	5.39 ng	152779	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	72
2	Benzeneacetonitrile, 3-fluoro-	135	C8H6FN	000501-00-8	64
3	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	59
4	Carbamic acid, N-[1,1-bis(triflu...	413	C19H25F6NO2	296242-69-8	56
5	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

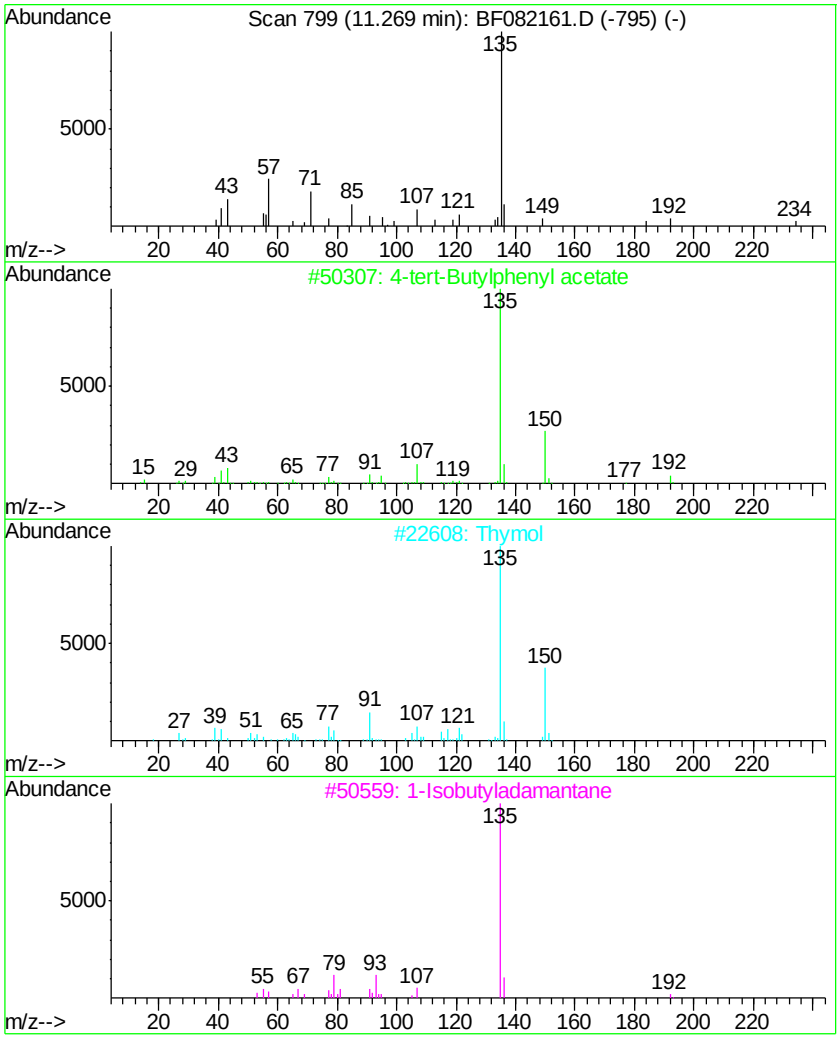
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

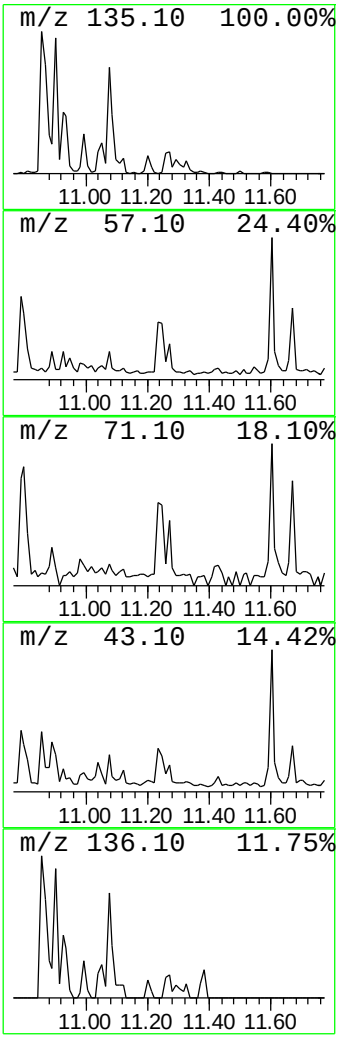
****

Peak Number 11 4-tert-Butylphenyl acetate Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	2.01 ng	57003	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	72
2	Thymol	150	C10H14O	000089-83-8	64
3	1-Isobutyladamantane	192	C14H24	027364-16-5	64
4	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	64
5	1-n-butyladamantane	192	C14H24	014449-41-3	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

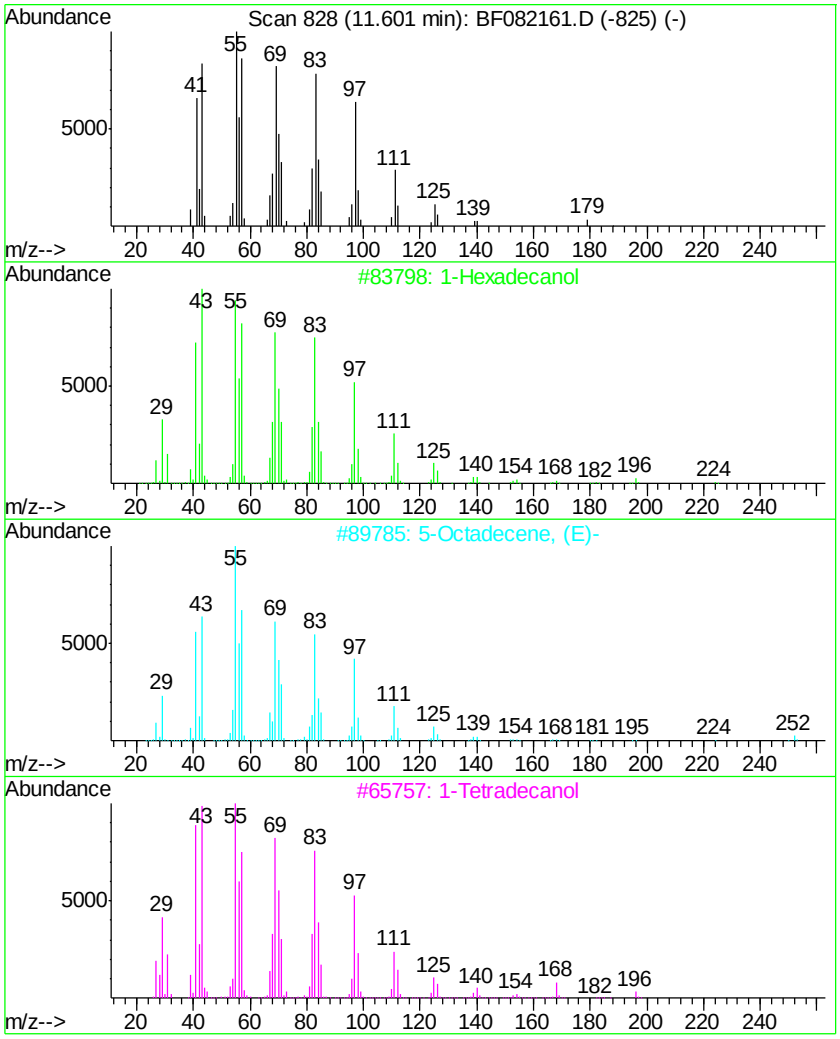
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

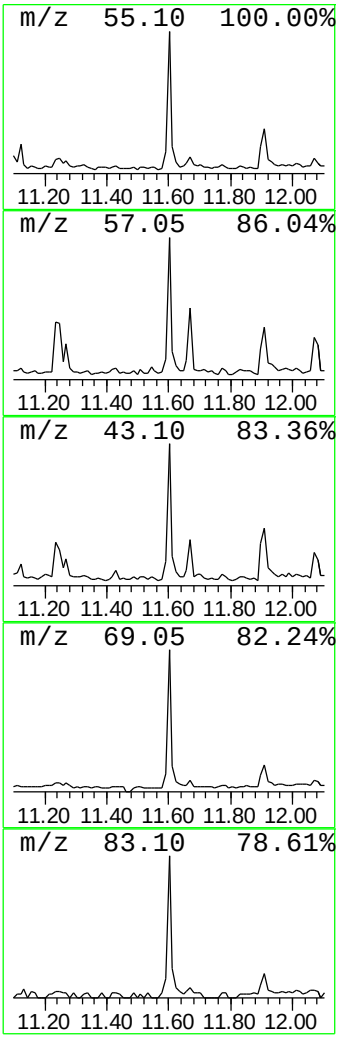
****

Peak Number 12 1-Hexadecanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	4.88 ng	138389	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanol	242	C16H34O	036653-82-4	95
2	5-Octadecene, (E)-	252	C18H36	007206-21-5	91
3	1-Tetradecanol	214	C14H30O	000112-72-1	91
4	9-Octadecene, (E)-	252	C18H36	007206-25-9	91
5	4-Heptafluorobutyryloxyhexadecane	438	C20H33F7O2	1000282-97-2	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

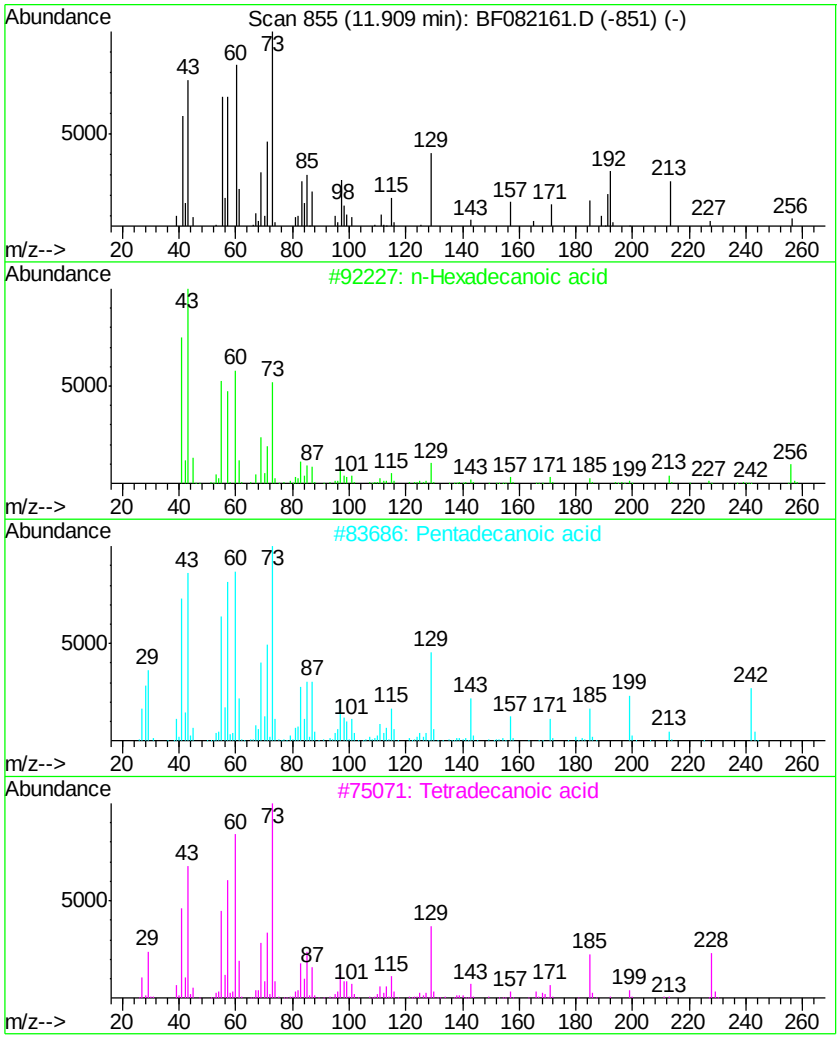
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

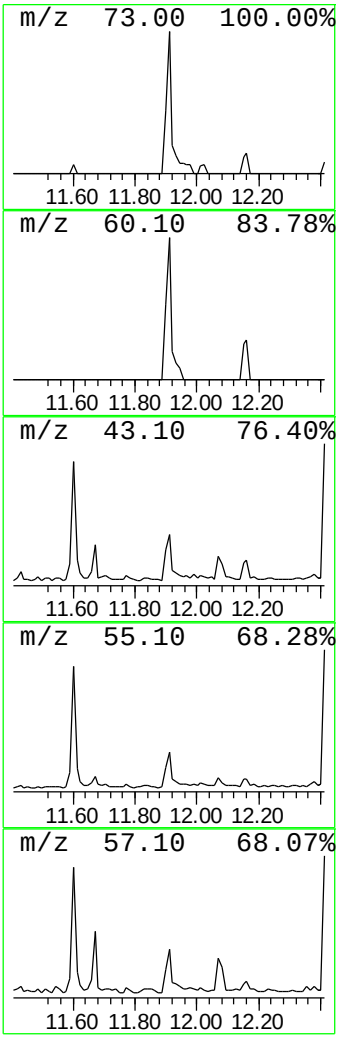
****

Peak Number 13 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	2.86 ng	81179	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	47
4	d-Glucohexodialdose	178	C6H10O6	1000149-19-1	22
5	Isobutyl 3-methylbutyl disulfide	192	C9H20S2	075203-66-6	11





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

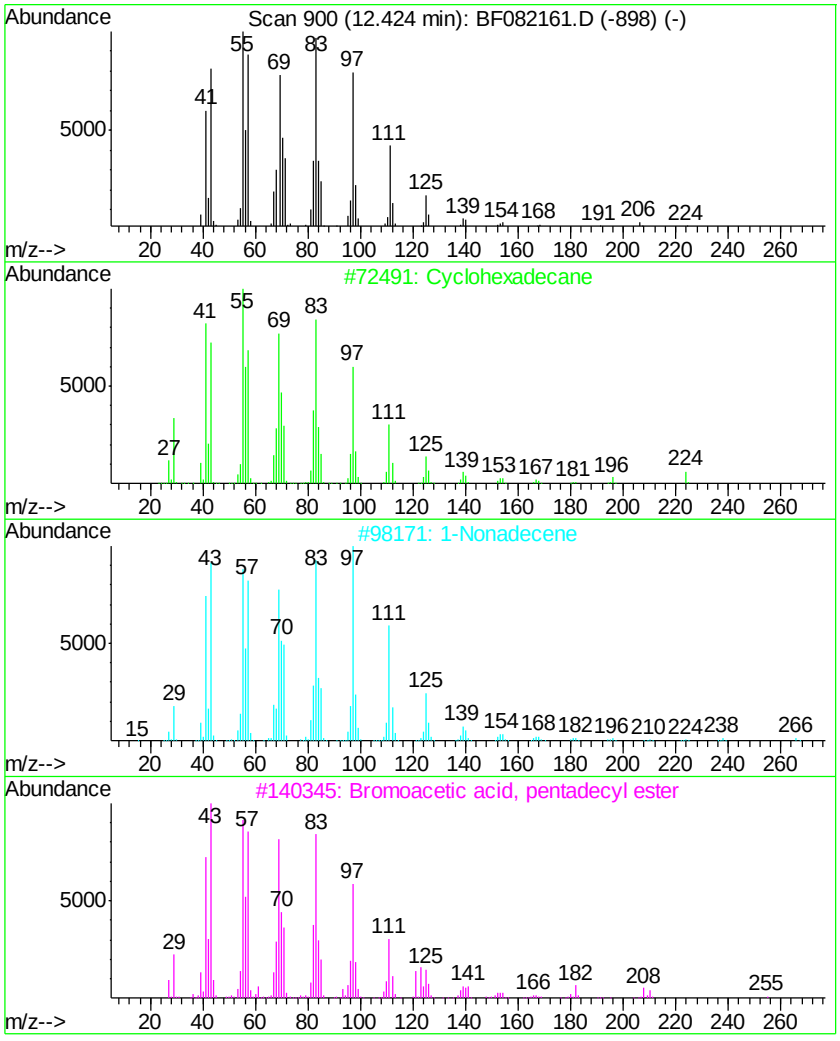
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

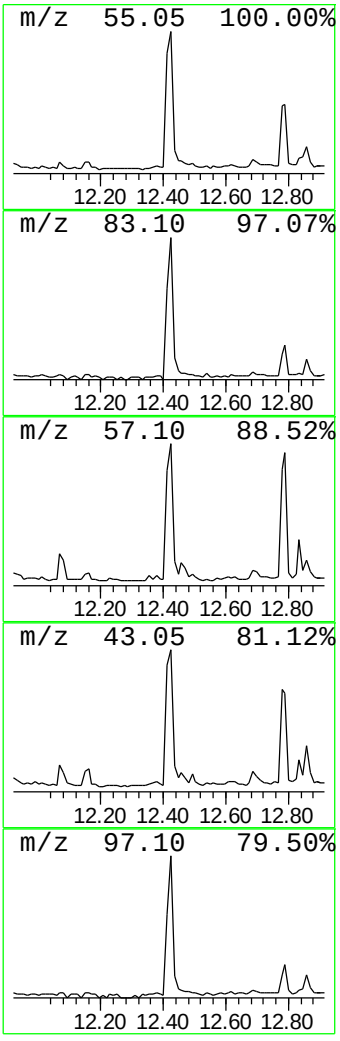
****

Peak Number 14 Cyclohexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	9.38 ng	265863	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	91
2	1-Nonadecene	266	C19H38	018435-45-5	91
3	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	91
4	9-Eicosene, (E)-	280	C20H40	074685-29-3	91
5	1-Hexadecanol	242	C16H34O	036653-82-4	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

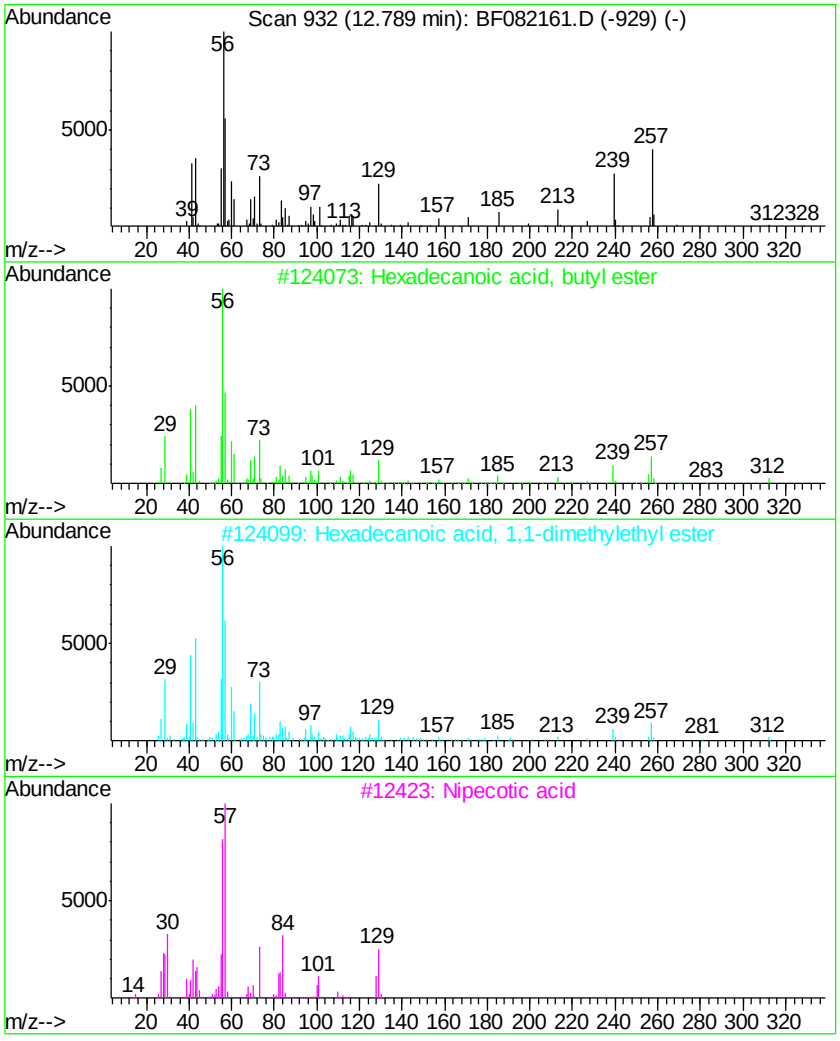
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

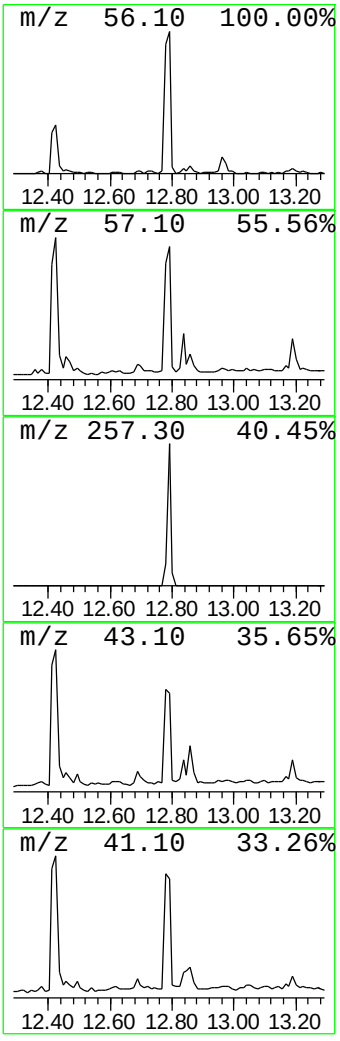
****

Peak Number 15 Hexadecanoic acid, butyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	9.73 ng	225772	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	91
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	83
3	Nipecotic acid	129	C6H11NO2	000498-95-3	43
4	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	30
5	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

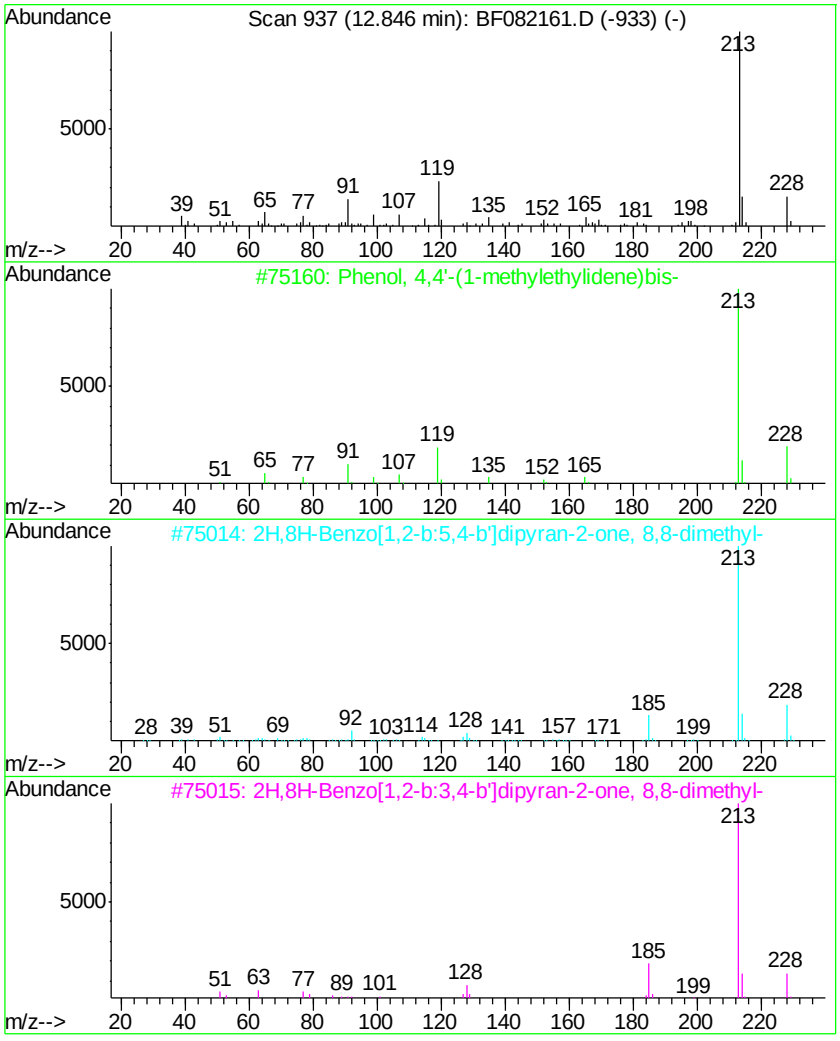
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

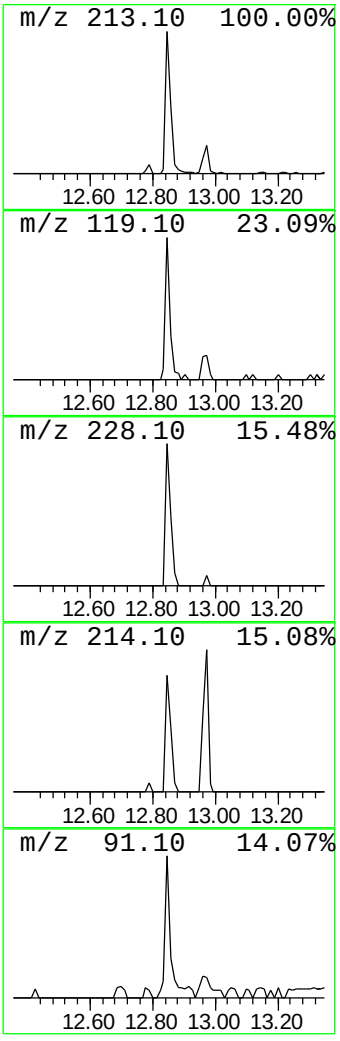
****

Peak Number 16 Phenol, 4,4'-(1-methylethyl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	8.13 ng	188604	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	97
2	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	52
3	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	52
4	6-Bromo-2-(methylamino)tropone	213	C8H8BrNO	1000241-43-1	50
5	Carbamic acid, [1,1'-biphenyl]-3...	213	C13H11NO2	055030-29-0	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

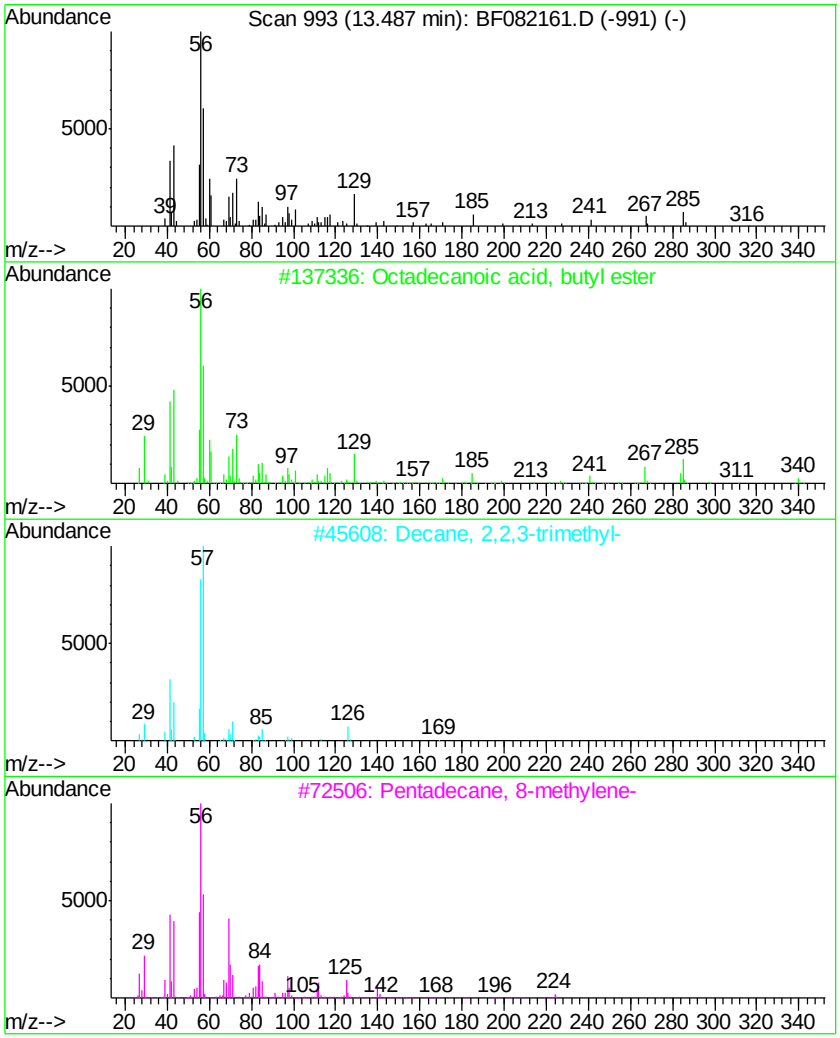
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

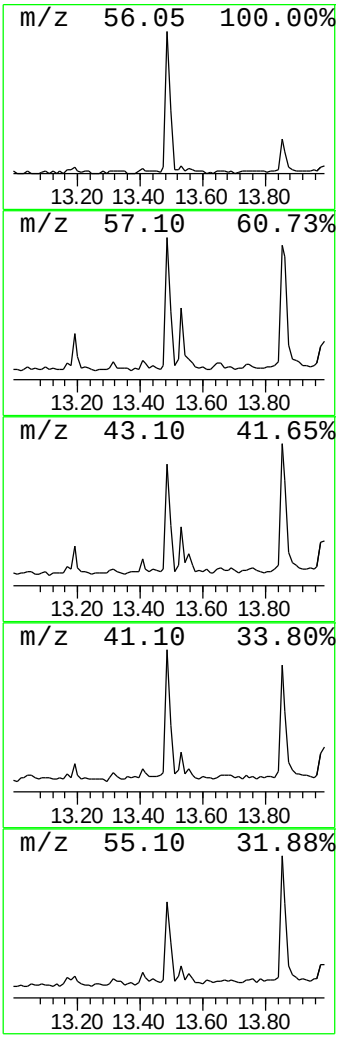
****

Peak Number 17 Octadecanoic acid, butyl ester Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	6.23 ng	144574	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	91
2	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	43
3	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	37
4	Nonane, 2,8-dimethyl-4-methylene-	168	C12H24	007323-15-1	37
5	Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	37





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

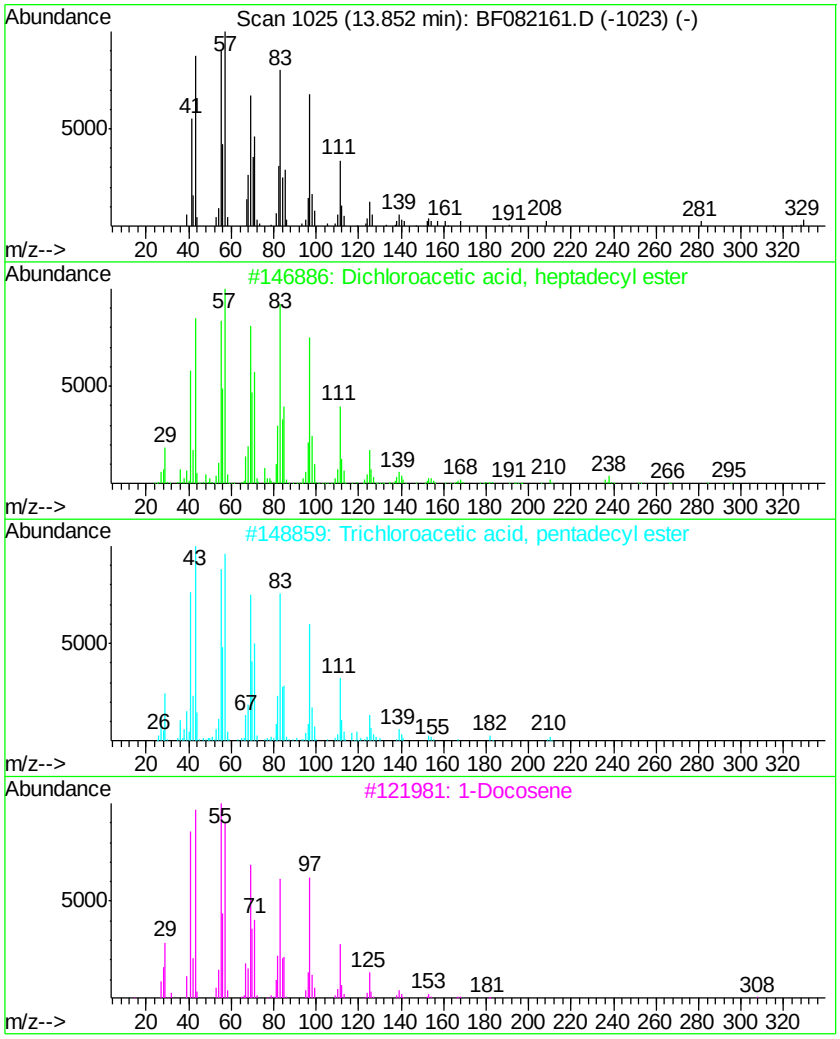
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

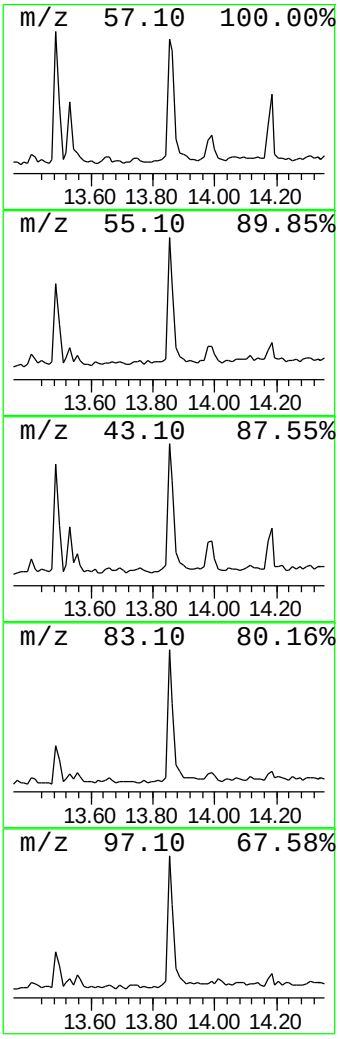
****

Peak Number 18 Dichloroacetic acid, heptad... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	7.87 ng	182679	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
3	1-Docosene	308	C22H44	001599-67-3	94
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

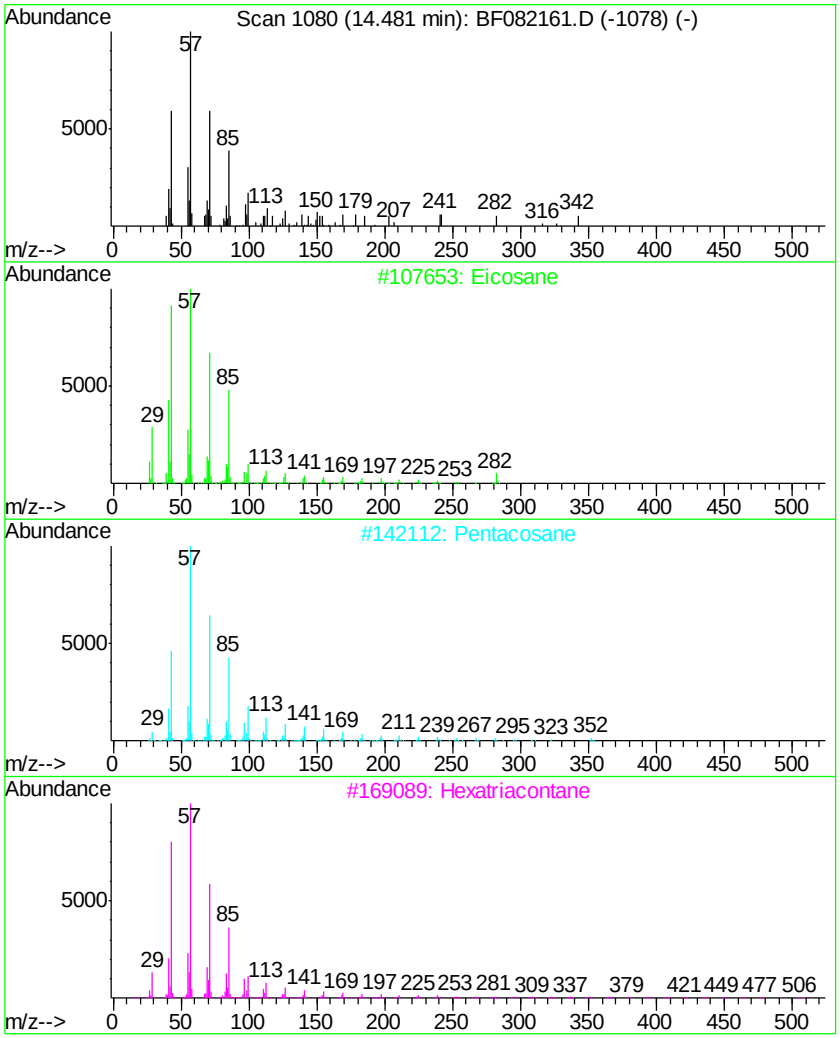
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

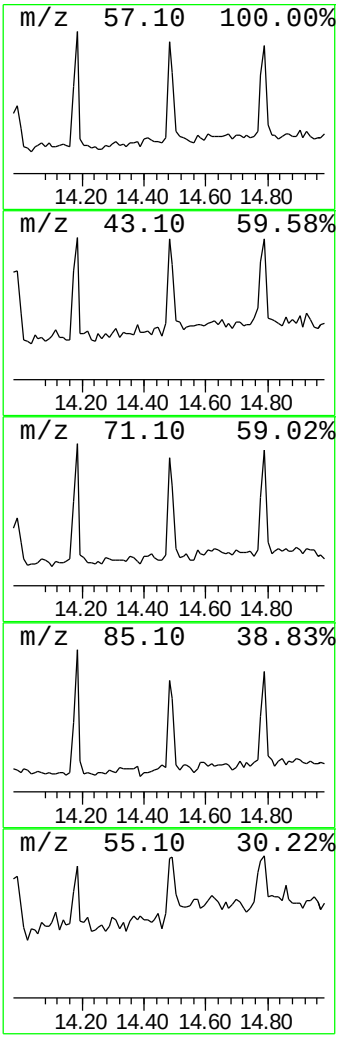
****

Peak Number 19 Eicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	2.23 ng	51818	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Pentacosane	352	C25H52	000629-99-2	87
3	Hexatriacontane	507	C36H74	000630-06-8	87
4	Hexacosane	366	C26H54	000630-01-3	87
5	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	86





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

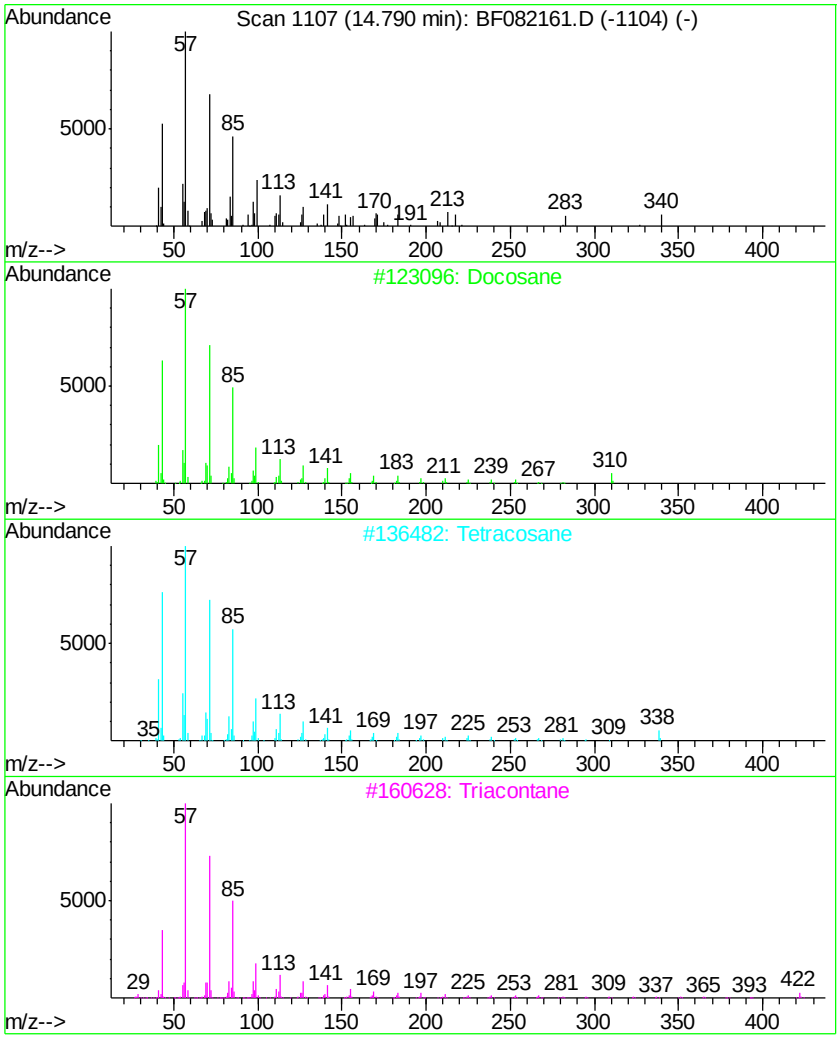
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

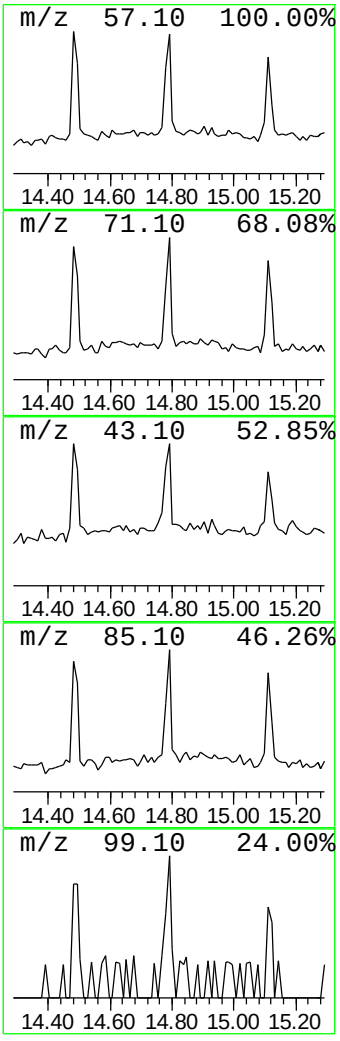
****

Peak Number 20 Docosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	2.19 ng	44033	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	90
2	Tetracosane	338	C24H50	000646-31-1	87
3	Triacontane	422	C30H62	000638-68-6	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Hentriacontane	437	C31H64	000630-04-6	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082161.D
Acq On : 9 Oct 2015 23:17
Operator : UM/IZ
Sample : G3928-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-22(46-48)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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
2-Pentanone, 4-hy...	5.04	42.8	ng	1076070	1	6.85	502396	20.0
unknown6.62	6.62	82.0	ng	2059580	1	6.85	502396	20.0
Acetamide, N-meth...	10.81	3.5	ng	98567	4	11.38	567117	20.0
Phenol, 4-(1,1,3,...	10.86	6.8	ng	193453	4	11.38	567117	20.0
Acetamide, N-(3-m...	10.89	8.2	ng	233777	4	11.38	567117	20.0
unknown10.93	10.93	7.7	ng	217241	4	11.38	567117	20.0
unknown10.98	10.98	3.1	ng	86721	4	11.38	567117	20.0
unknown11.04	11.04	4.7	ng	134501	4	11.38	567117	20.0
Phenol, 4-(1,1-di...	11.07	5.4	ng	152779	4	11.38	567117	20.0
4-tert-Butylpheny...	11.27	2.0	ng	57003	4	11.38	567117	20.0
1-Hexadecanol	11.60	4.9	ng	138389	4	11.38	567117	20.0
n-Hexadecanoic acid	11.91	2.9	ng	81179	4	11.38	567117	20.0
Cyclohexadecane	12.42	9.4	ng	265863	4	11.38	567117	20.0
Hexadecanoic acid...	12.79	9.7	ng	225772	5	14.02	463981	20.0
Phenol, 4,4'-(1-m...	12.85	8.1	ng	188604	5	14.02	463981	20.0
Octadecanoic acid...	13.49	6.2	ng	144574	5	14.02	463981	20.0
Dichloroacetic ac...	13.85	7.9	ng	182679	5	14.02	463981	20.0
Eicosane	14.48	2.2	ng	51818	5	14.02	463981	20.0
Docosane	14.79	2.2	ng	44033	6	15.46	402068	20.0