LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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	54	rVB	2953439	5750809	100.00%	12.842%
2	4.696	270	272	281	rBV	39562	102742	1.79%	0.229%
3	5.142	309	311	332	rBV	1771777	2277890	39.61%	5.087%
4	6.227	405	406	413	rBV	1345956	1658490	28.84%	3.704%
5	6.330	413	415	420	rVV	4127457	4012574	69.77%	8.960%
6	6.410	420	422	428	rVB2	31584	68691	1.19%	0.153%
7	6.559	433	435	440	rBV	655879	833943	14.50%	1.862%
8	6.707	446	448	451	rBV	3192714	3231894	56.20%	7.217%
9	6.810	454	457	463	rVB4	25758	84686	1.47%	0.189%
10	7.142	483	486	488	rBV	2369627	3205149	55.73%	7.157%
11	7.839	546	547	550	rBV	741077	1048984	18.24%	2.342%
12	8.090	566	569	570	rBV	70794	71481	1.24%	0.160%
13	8.113	570	571	574	rVB	65901	71677	1.25%	0.160%
14	8.376	592	594	596	rVB	69075	78817	1.37%	0.176%
15	8.708	621	623	627	rBV4	34486	75542	1.31%	0.169%
16	8.810	630	632	634	rBV2	37913	74744	1.30%	0.167%
17	8.868	634	637	639	rVB2	46705	74826	1.30%	0.167%
18	8.925	639	642	644	rBV	5178508	4908426	85.35%	10.961%
19	9.256	667	671	674	rBV	136925	233023	4.05%	0.520%
20	9.325	675	677	681	rVB	56708	100348	1.74%	0.224%
21	9.416	682	685	687	rVV	129273	143150	2.49%	0.320%
22	9.531	693	695	698	rBV	57344	77177	1.34%	0.172%
23	9.588	698	700	703	rBV	1282486	1148756	19.98%	2.565%
24	9.851	721	723	725	rBV3	47118	71321	1.24%	0.159%
25	9.931	728	730	735	rVB	85262	140764	2.45%	0.314%
26	10.033	736	739	740	rBV2	82745	109326	1.90%	0.244%
27	10.216	752	755	756	rBV	55818	83066	1.44%	0.185%
28	10.376	767	769	772	rVB2	1994595	2713164	47.18%	6.059%
29	10.525	778	782	784	rVB3	175225	272487	4.74%	0.608%
30	10.571	784	786	787	rVV	602844	539219	9.38%	1.204%
31	10.605	787	789	790	rVV	596228	678792	11.80%	1.516%
32	10.639	790	792	795	rVV2	505453	875898	15.23%	1.956%
33	10.696	795	797	800	rVV2	239245	537463	9.35%	1.200%
34	10.742	800	801	803	rVV2	534906	646883	11.25%	1.445%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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	10.788	803	805	807	rVV	567816	700346	12.18%	1.564%
36	10.822	807	808	810	rVB	324090	295776	5.14%	0.660%
37	10.948	817	819	820	rBV	58577	79552	1.38%	0.178%
38	10.982	820	822	824	rVV2	175503	169381	2.95%	0.378%
39	11.062	827	829	832	rBV2	785254	997664	17.35%	2.228%
40	11.291	847	849	853	rBV	73731	86006	1.50%	0.192%
41	11.622	875	878	881	rVB3	114373	172238	3.00%	0.385%
42	12.399	944	946	948	rBV	48423	65208	1.13%	0.146%
43	12.434	948	949	951	rVV	51907	65492	1.14%	0.146%
44	12.479	951	953	956	rVB	292067	254508	4.43%	0.568%
45	12.559	957	960	963	rVB2	124670	155118	2.70%	0.346%
46	12.651	965	968	970	rBV	3949884	3785617	65.83%	8.454%
47	13.177	1012	1014	1016	rBV	126949	149944	2.61%	0.335%
48	13.222	1016	1018	1020	rBV2	44307	59030	1.03%	0.132%
49	13.440	1033	1037	1041	rBV3	39601	77957	1.36%	0.174%
50	13.554	1045	1047	1054	rVB	47874	95661	1.66%	0.214%
51	13.691	1057	1059	1063	rBV	672692	756913	13.16%	1.690%
52	14.171	1098	1101	1104	rBV	40961	64299	1.12%	0.144%
53	14.320	1112	1114	1117	rBV	32295	58951	1.03%	0.132%
54	15.051	1176	1178	1187	rVB	460014	688984	11.98%	1.539%

Sum of corrected areas: 44780847

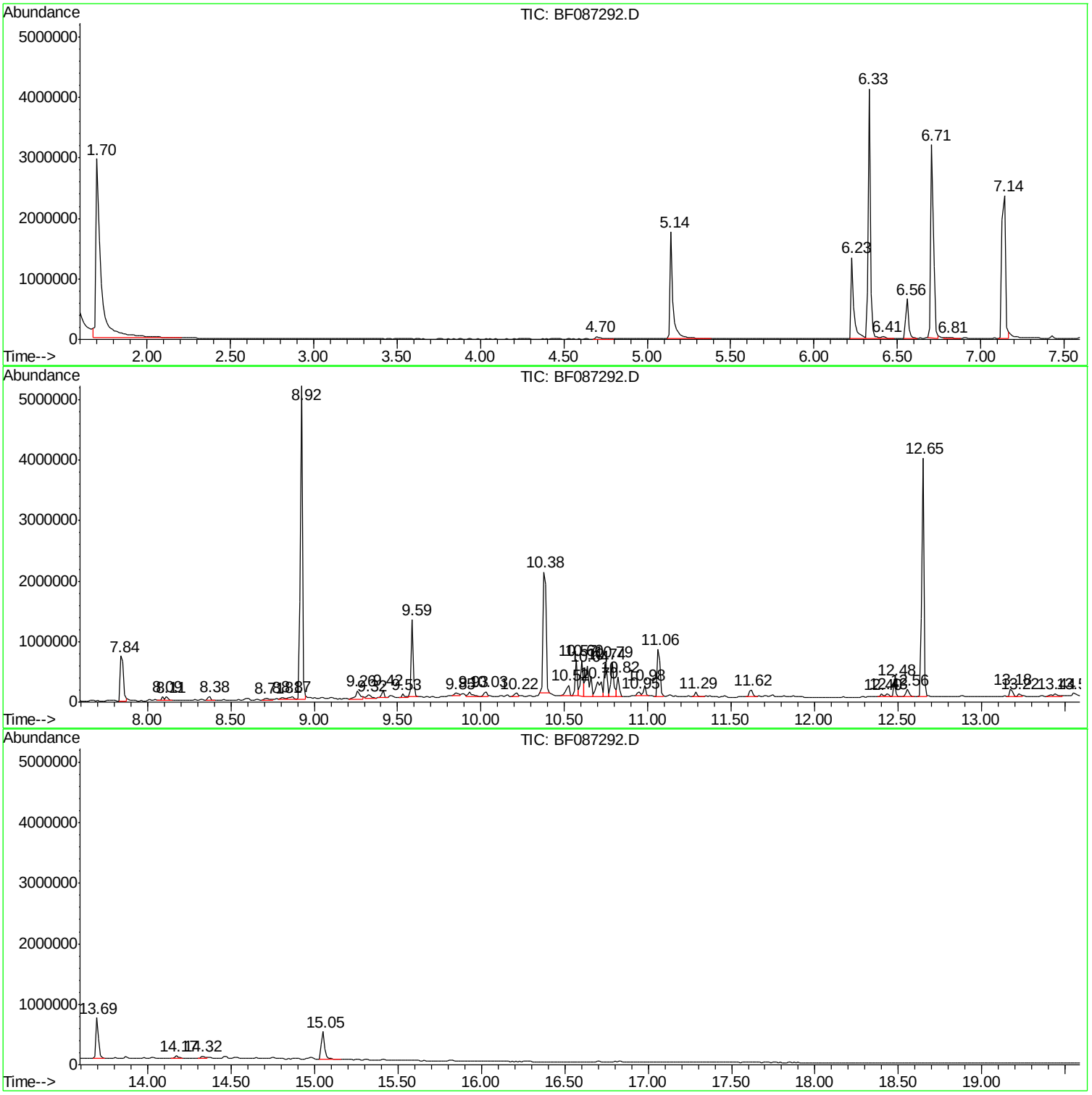
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

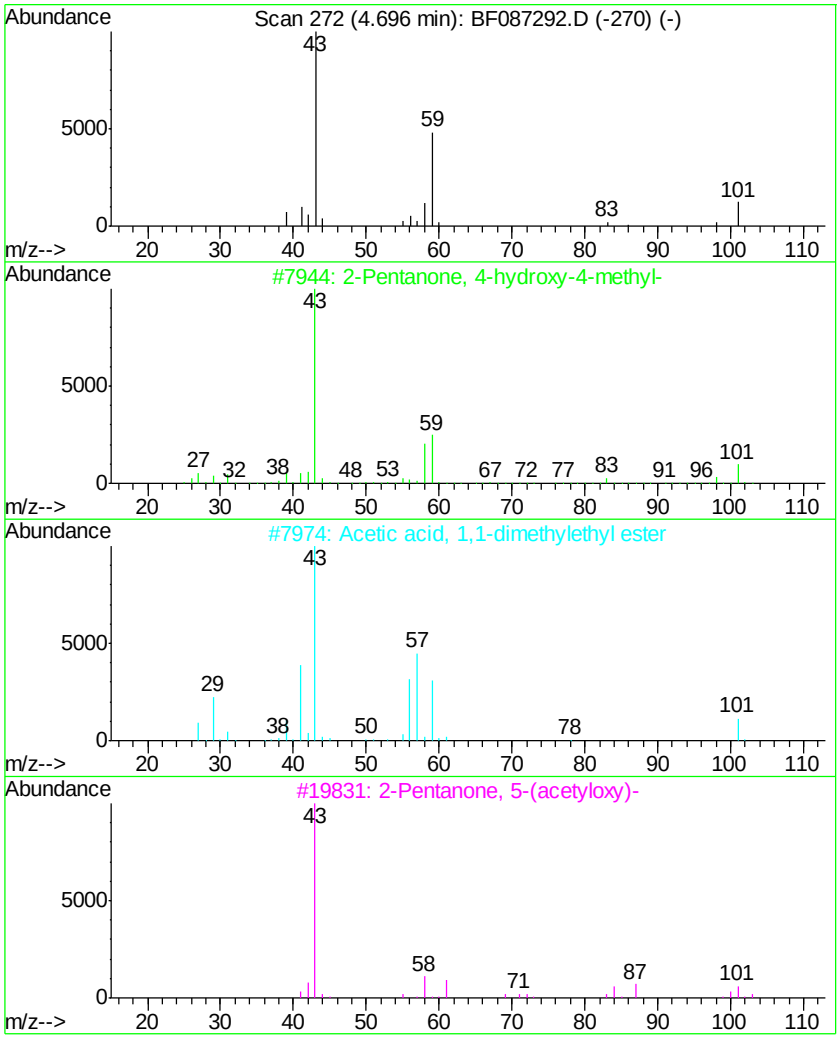
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

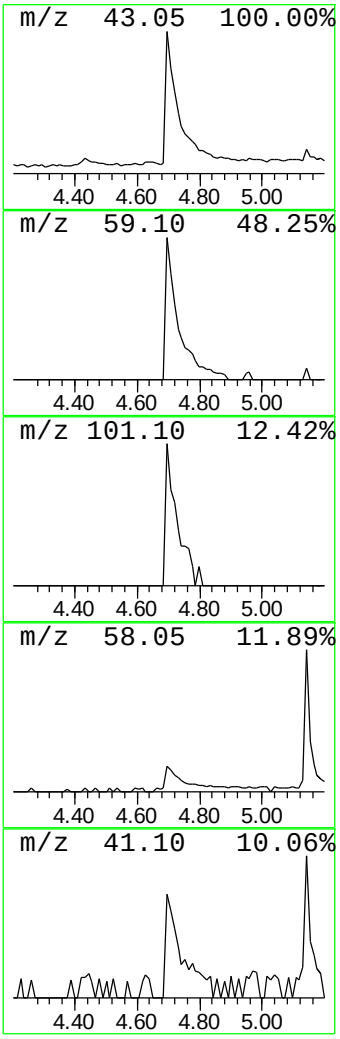
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.70	2.46 ng	102742	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	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
3	2-Pentanone, 5-(acetyloxy)-	144	C7H12O3	005185-97-7	9
4	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9
5	tert-Butyl Hydroperoxide	90	C4H10O2	000075-91-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

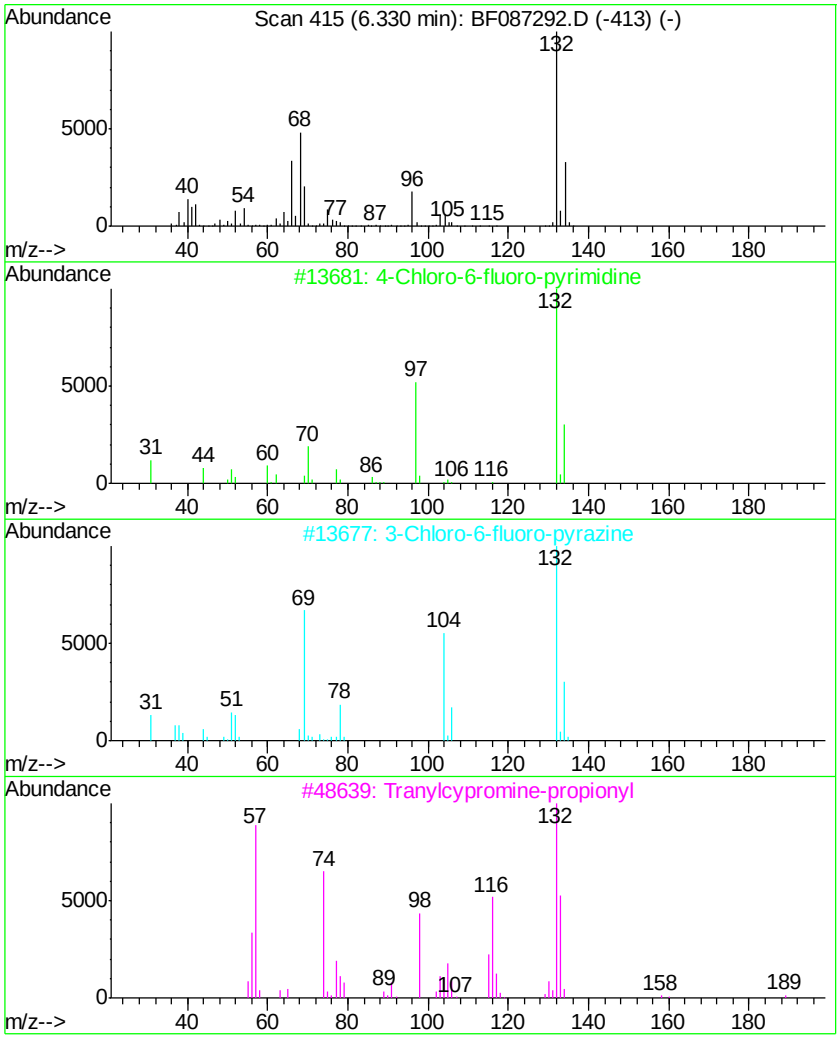
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

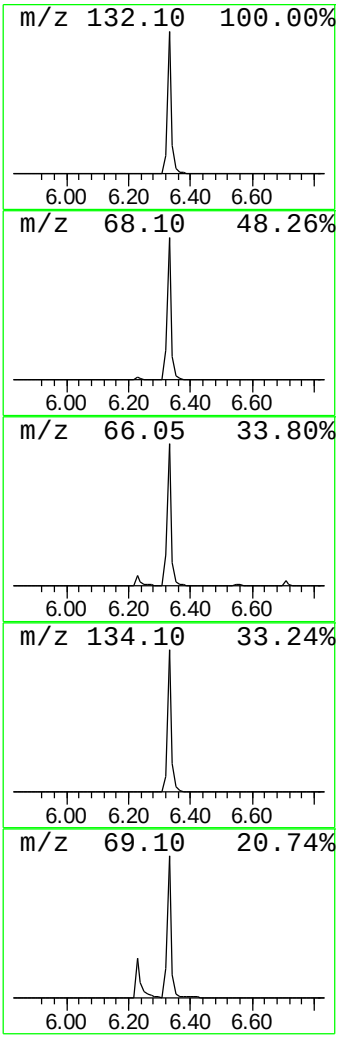
****

Peak Number 3 unknown6.33 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	96.23 ng	4012570	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	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\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

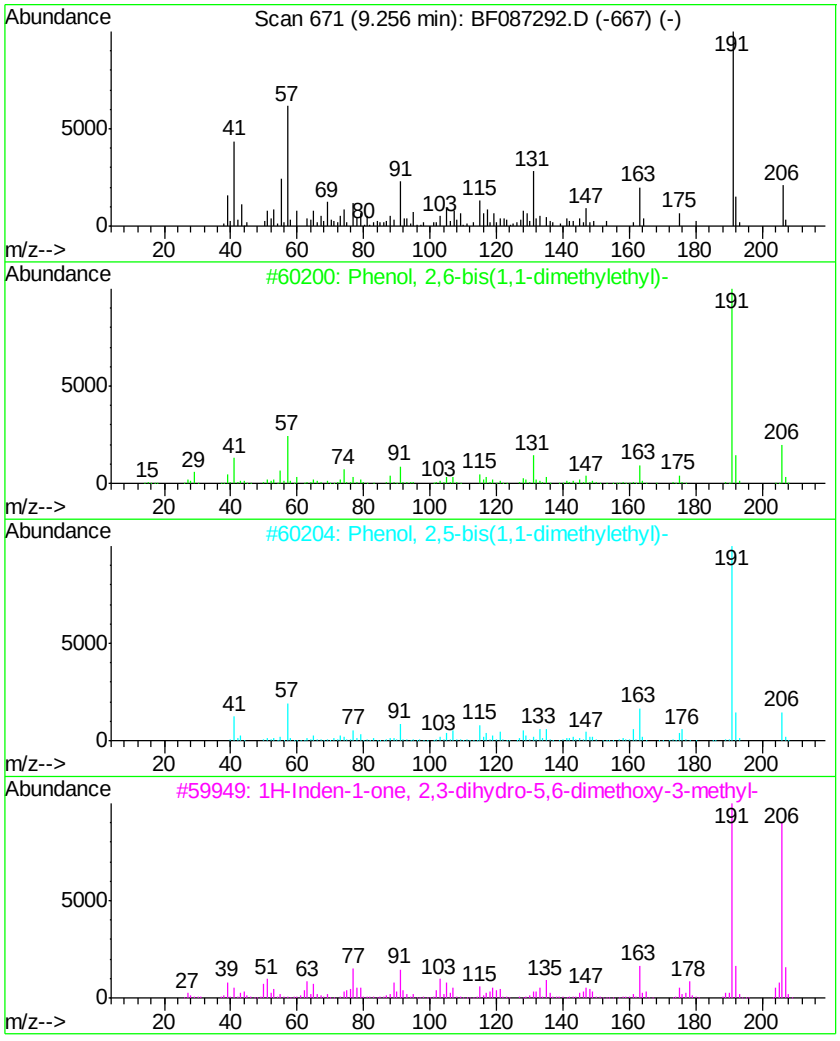
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

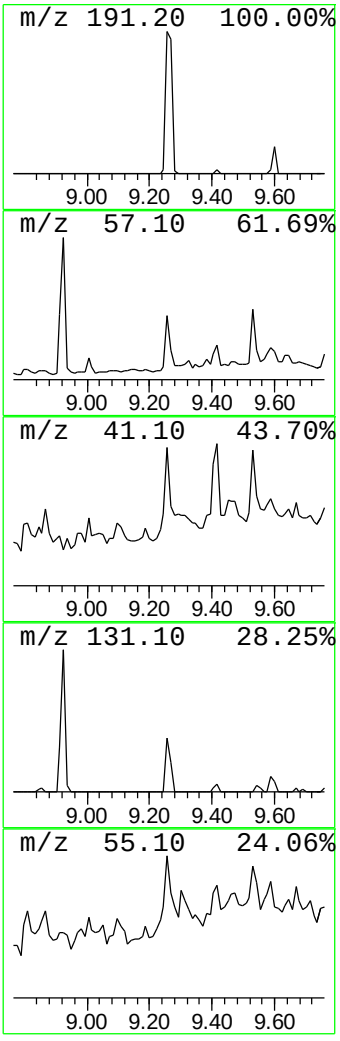
****

Peak Number 5 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	4.06 ng	233023	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-bis(1,1-dimethylethyl)-	206	C14H22O	000128-39-2	94
2	Phenol, 2,5-bis(1,1-dimethylethyl)-	206	C14H22O	005875-45-6	83
3	1H-Inden-1-one, 2,3-dihydro-5,6-...	206	C12H14O3	004082-25-1	80
4	Phenol, 3,5-bis(1,1-dimethylethyl)-	206	C14H22O	001138-52-9	76
5	Phenol, 2,4-bis(1,1-dimethylethyl)-	206	C14H22O	000096-76-4	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

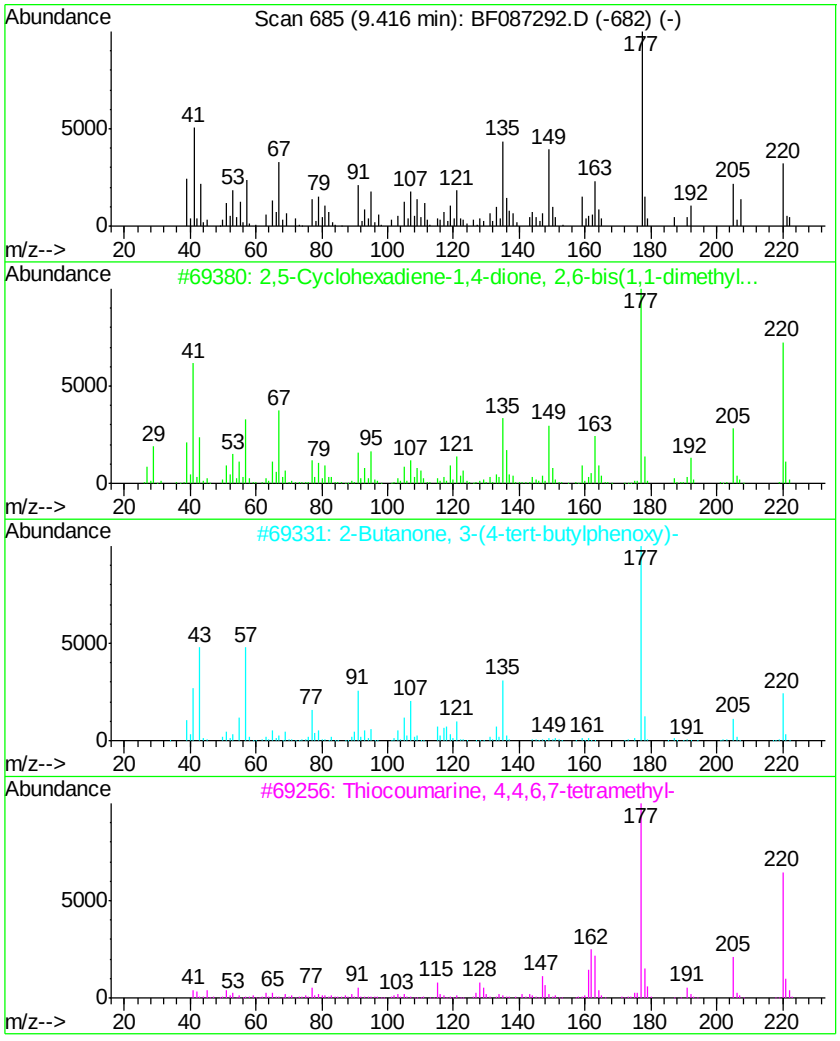
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

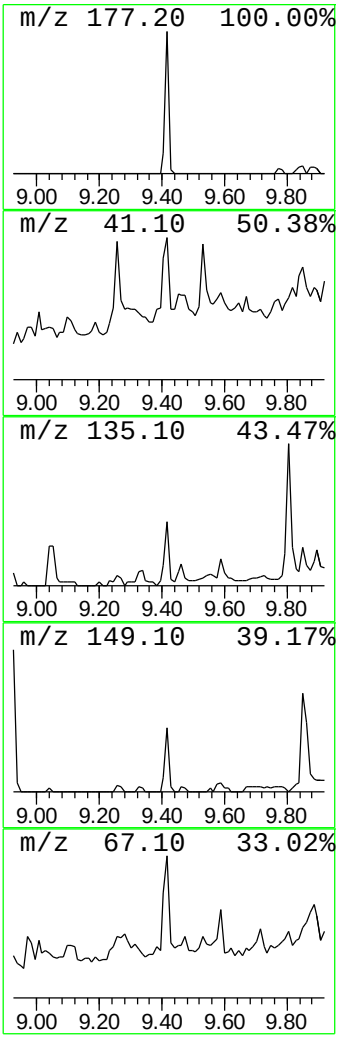
****

Peak Number 6 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	2.49 ng	143150	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	96
2	2-Butanone, 3-(4-tert-butylpheno...	220	C14H20O2	160875-28-5	70
3	Thiocoumarine, 4,4,6,7-tetramethyl-	220	C13H16OS	1000128-90-2	47
4	Octamethyl-1,4-cyclohexadiene	192	C14H24	172684-93-4	46
5	Benzofuran-2-one, 4-amino-2,3-di...	177	C10H11NO2	1000129-51-7	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

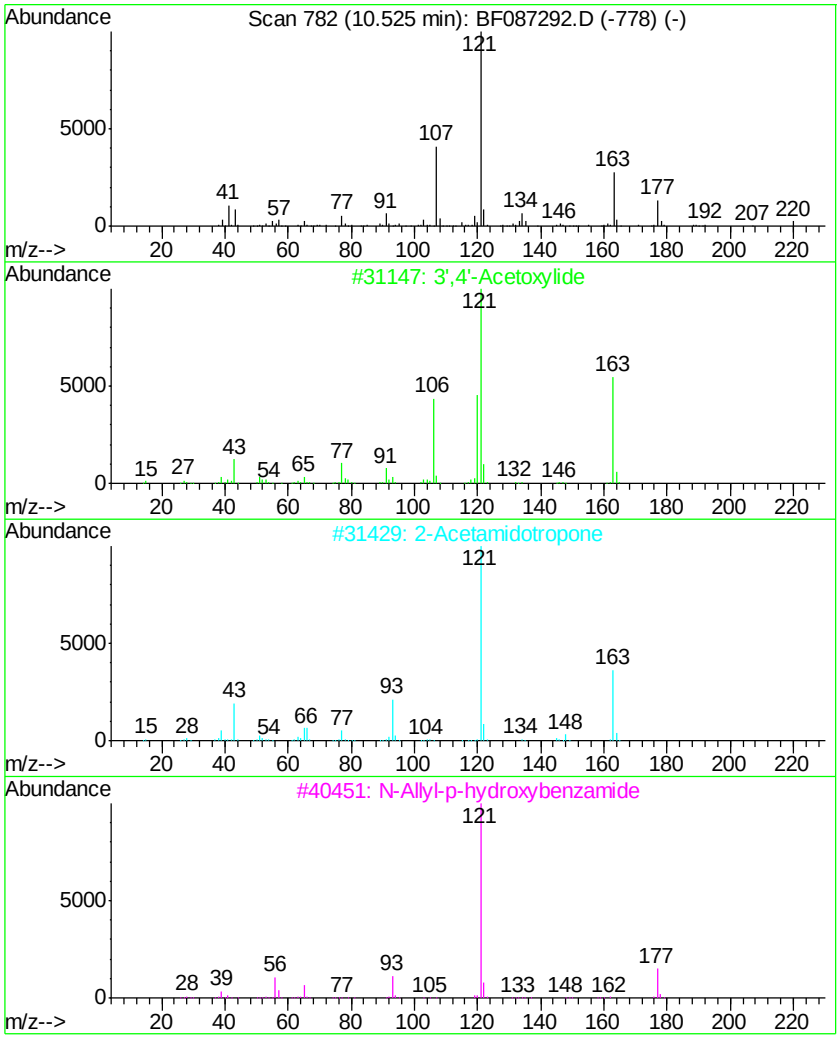
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

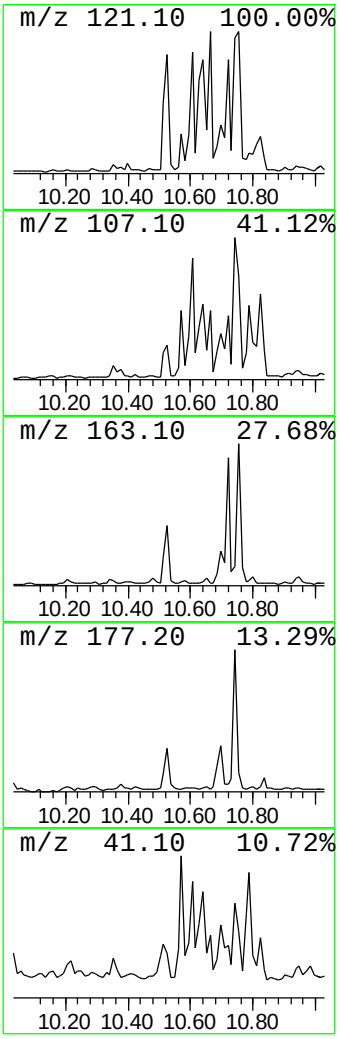
****

Peak Number 7 3',4'-Acetoxylide Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	5.46 ng	272487	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3',4'-Acetoxylide	163	C10H13NO	002198-54-1	52
2	2-Acetamidotropone	163	C9H9NO2	006422-12-4	47
3	N-Allyl-p-hydroxybenzamide	177	C10H11NO2	090921-72-5	38
4	4-Aminobutyramide, N-methyl-N-[4...	237	C13H23N3O	124045-56-3	38
5	3-(4-Methoxyphenyl)propionic acid	180	C10H12O3	001929-29-9	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

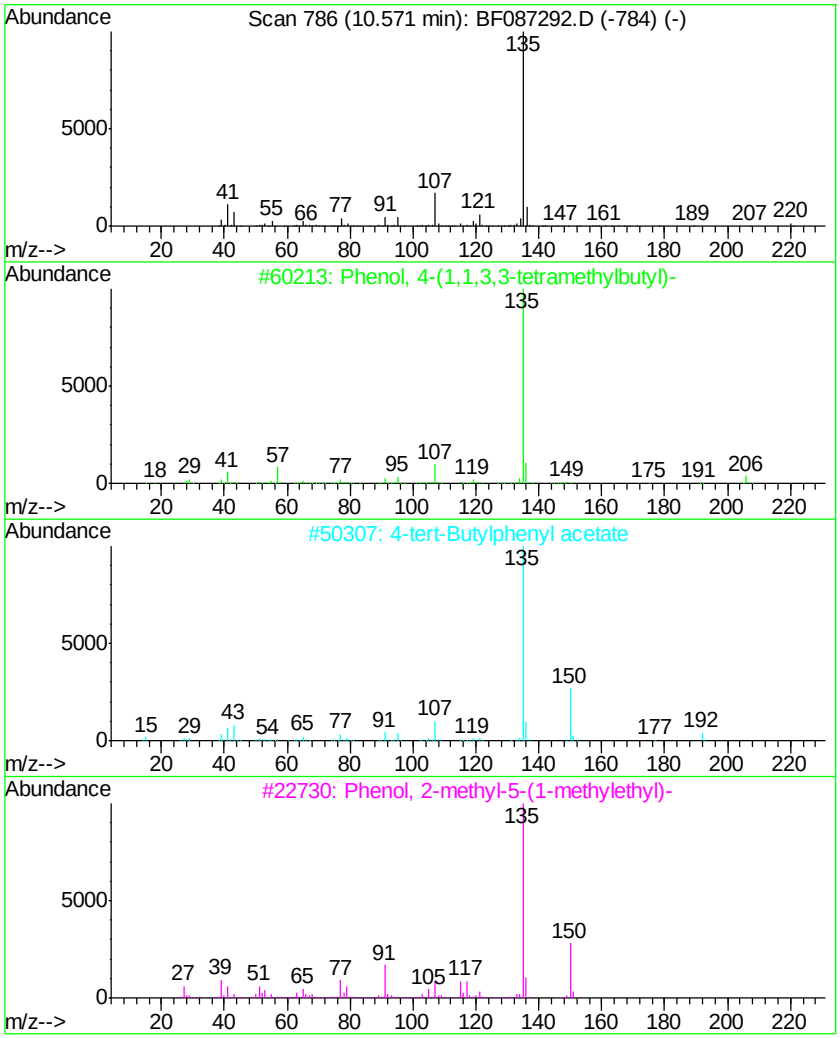
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

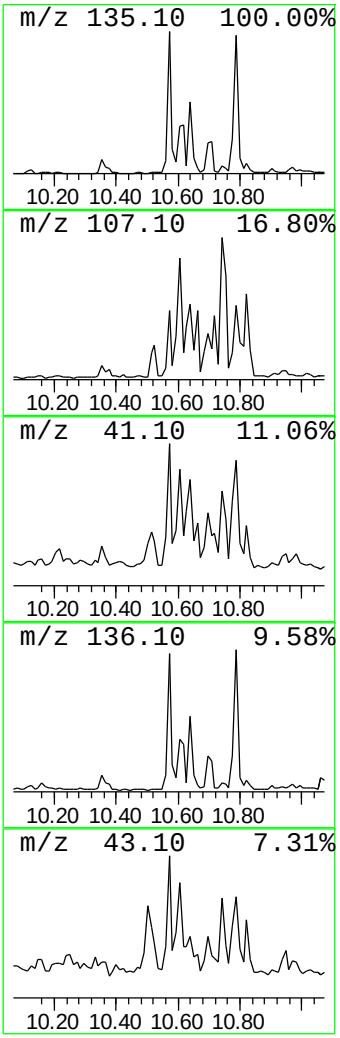
****

Peak Number 8 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	10.81 ng	539219	Phenanthrene-d10	11.06

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	78
3	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	78
4	((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	64
5	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	56





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

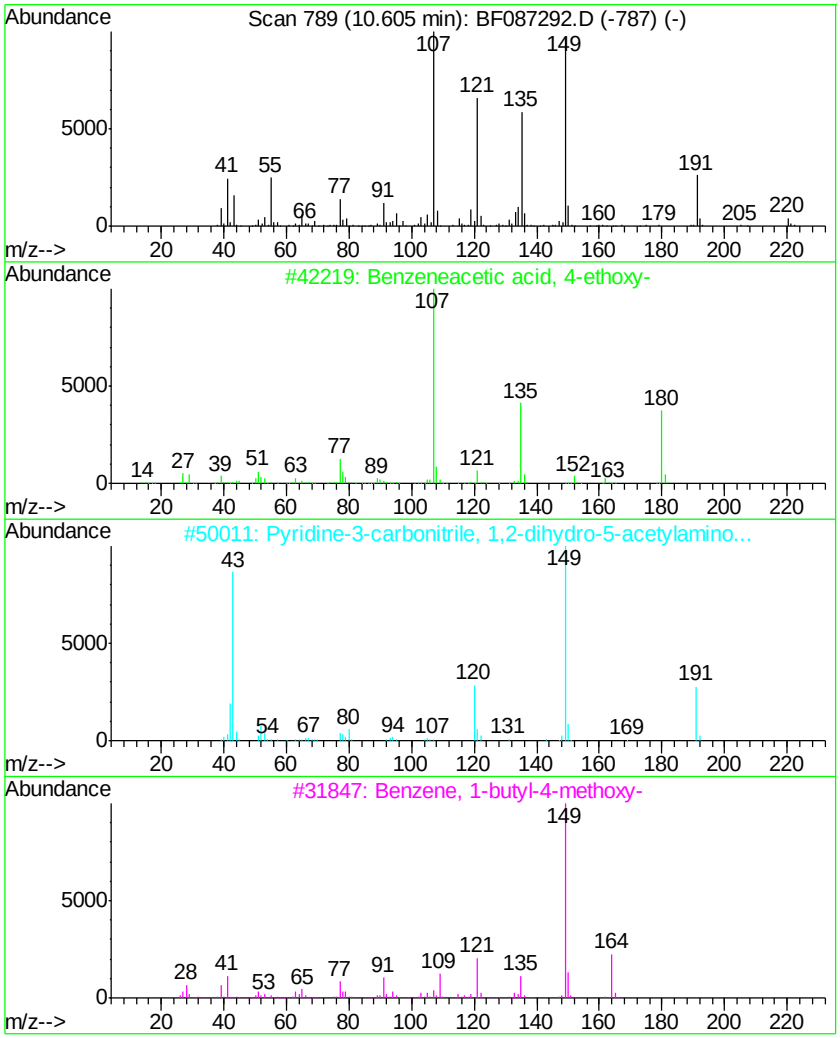
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

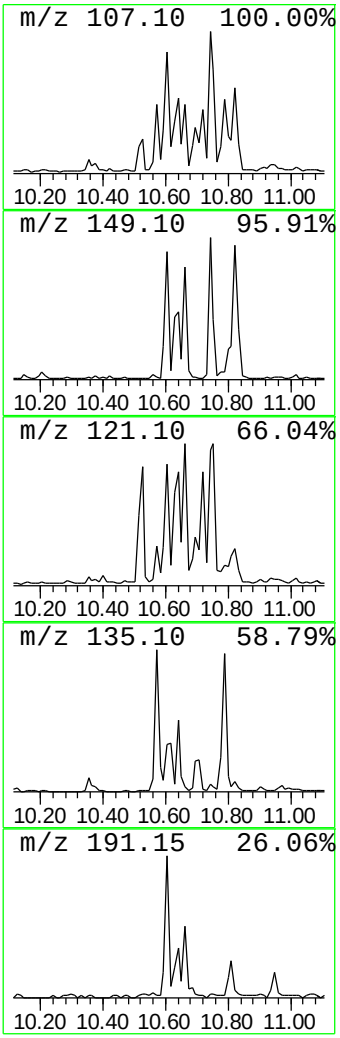
****

Peak Number 9 unknown10.61 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	13.61 ng	678792	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, 4-ethoxy-	180	C10H12O3	004919-33-9	38
2	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	38
3	Benzene, 1-butyl-4-methoxy-	164	C11H16O	018272-84-9	27
4	Benzestrol	298	C20H26O2	000085-95-0	25
5	Phenol, 2-(1,1-dimethylethyl)-5-...	164	C11H16O	000088-60-8	22





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

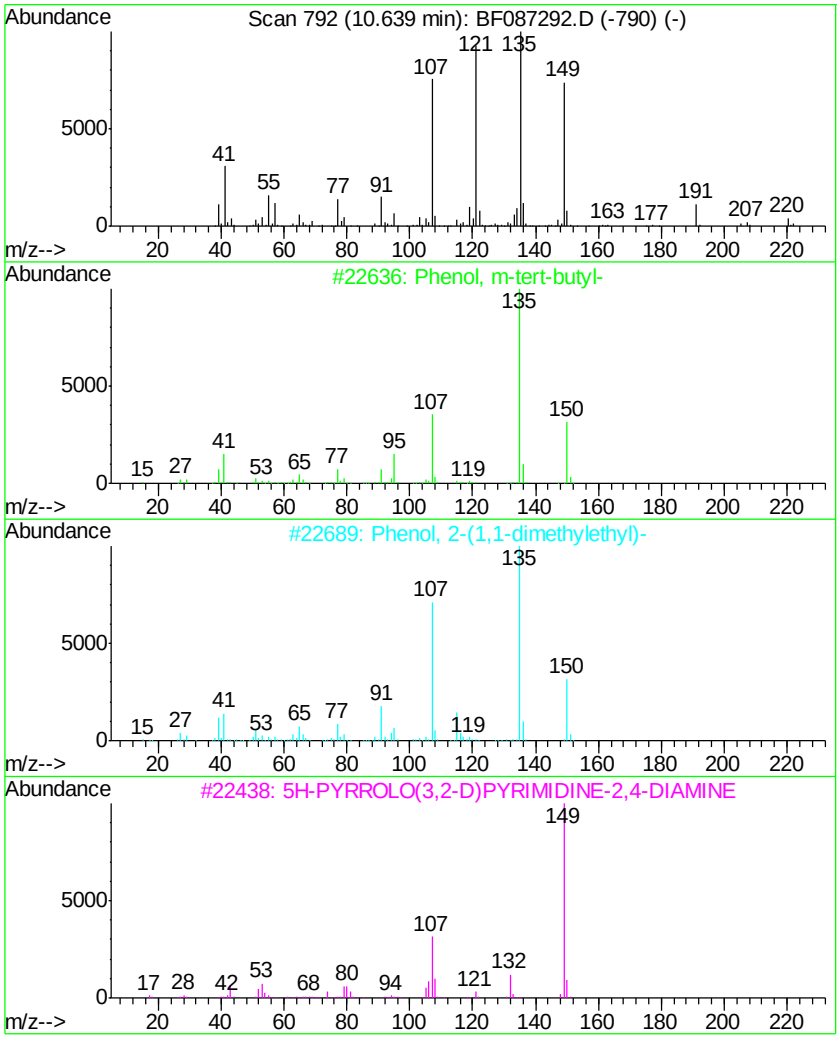
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

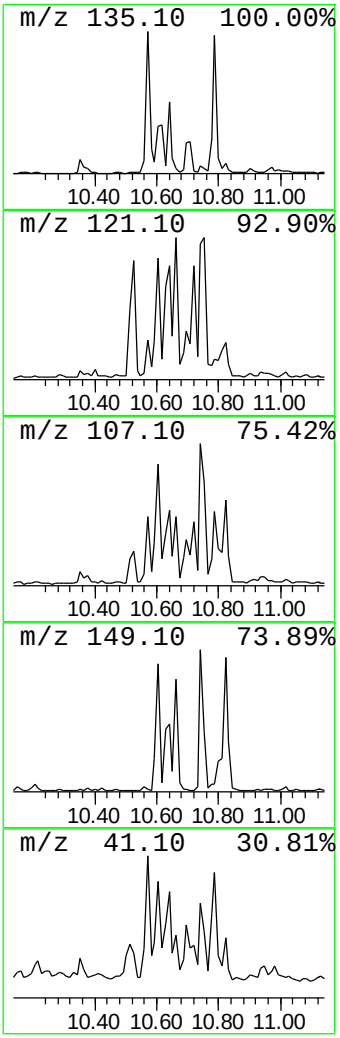
****

Peak Number 10 unknown10.64 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	17.56 ng	875898	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	46
2	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	38
3	5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-...	149	C6H7N5	1000244-21-4	35
4	1,5,6,7-Tetrahydro-4-indolone	135	C8H9NO	013754-86-4	35
5	Phenol, 2-(1,1-dimethylethyl)-4-...	164	C11H16O	002409-55-4	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

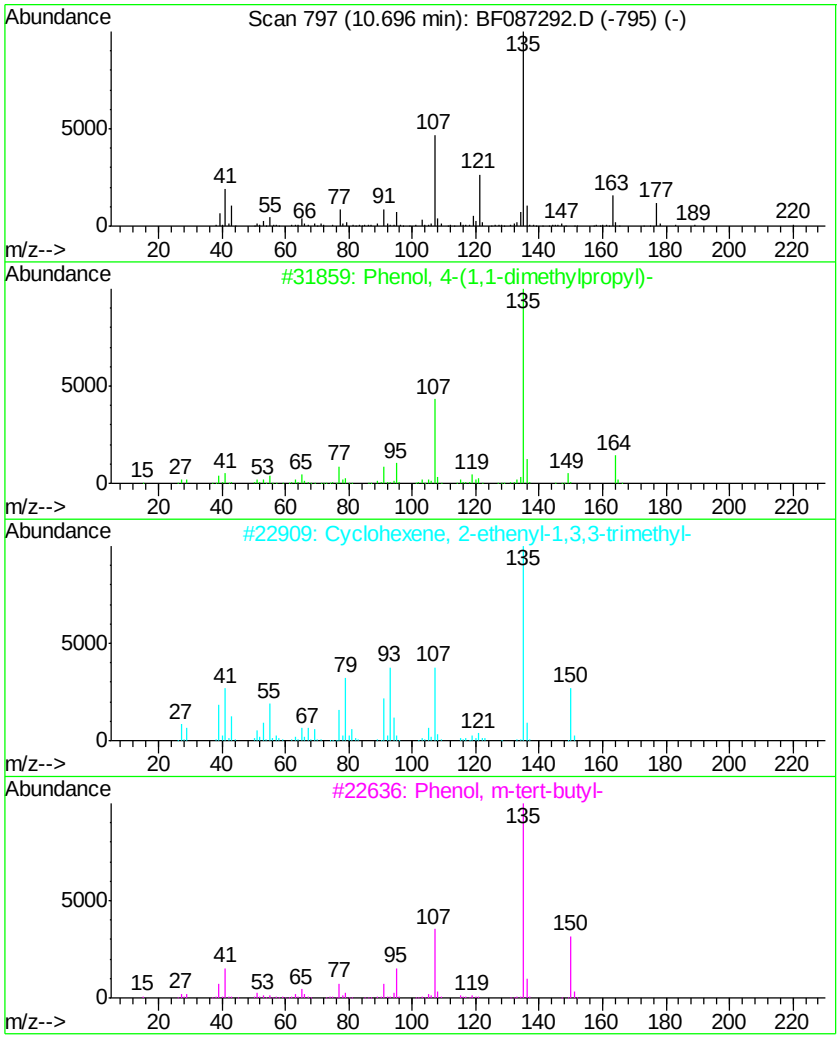
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

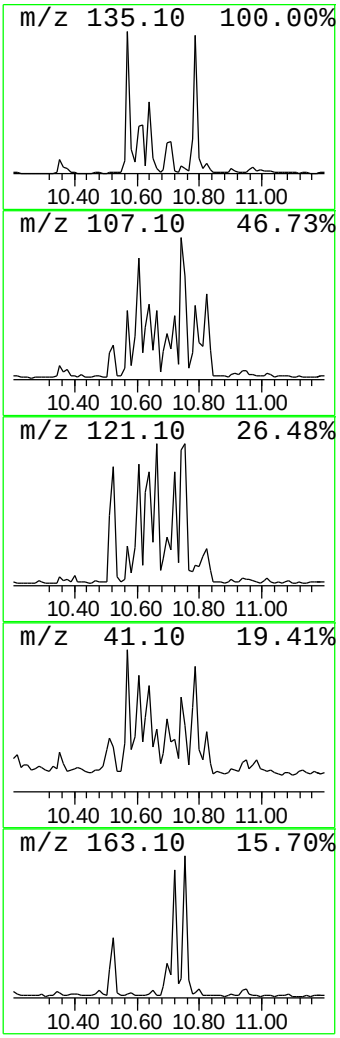
****

Peak Number 11 Phenol, 4-(1,1-dimethylprop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	10.77 ng	537463	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	72
2	Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	64
3	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	59
4	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	50
5	Adamantane-1-carboxylic acid, 4-...	284	C18H20O3	1000276-61-1	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

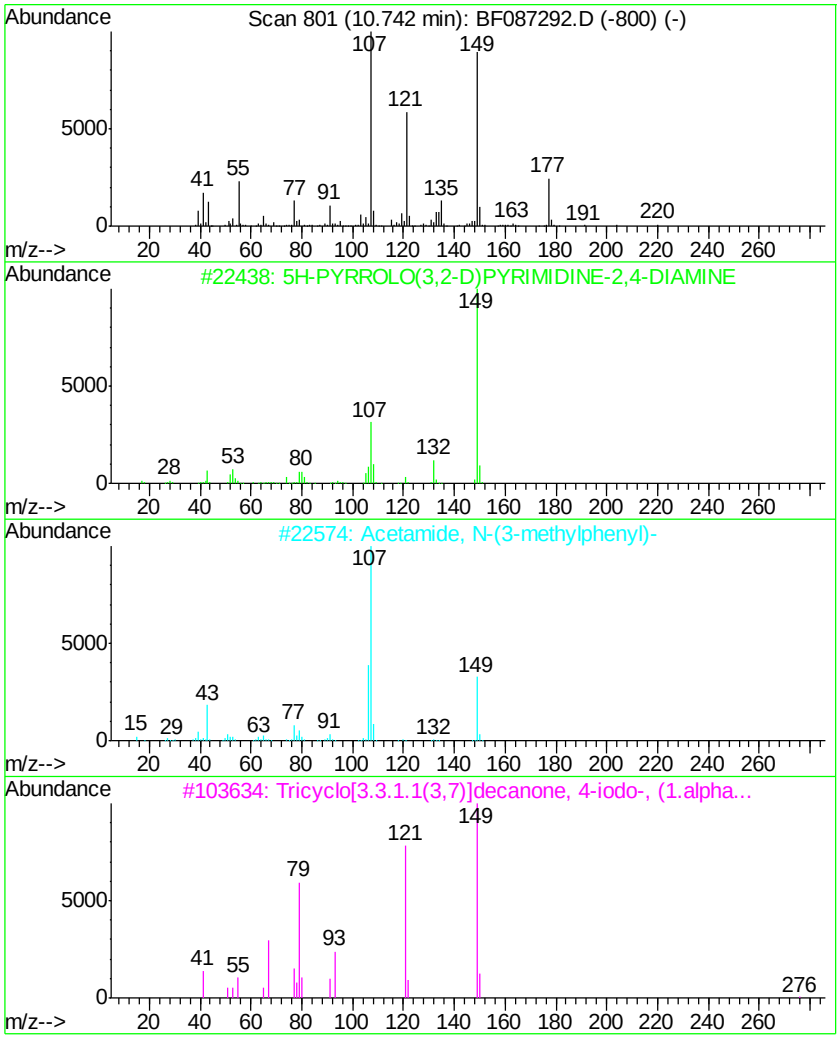
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

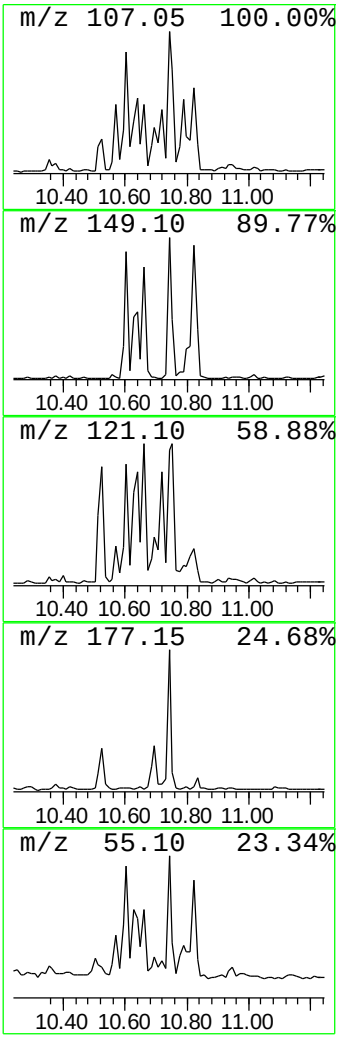
****

Peak Number 12 unknown10.74 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	12.97 ng	646883	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-...	149	C6H7N5	1000244-21-4	45
2	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	43
3	Tricyclo[3.3.1.1(3,7)]decanone, ...	276	C10H13IO	056781-86-3	35
4	Benzoic acid, 4-(nitromethyl)-, ...	195	C9H9NO4	054833-06-6	35
5	Phenol, 2-(1,1-dimethylethyl)-5-...	164	C11H16O	000088-60-8	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

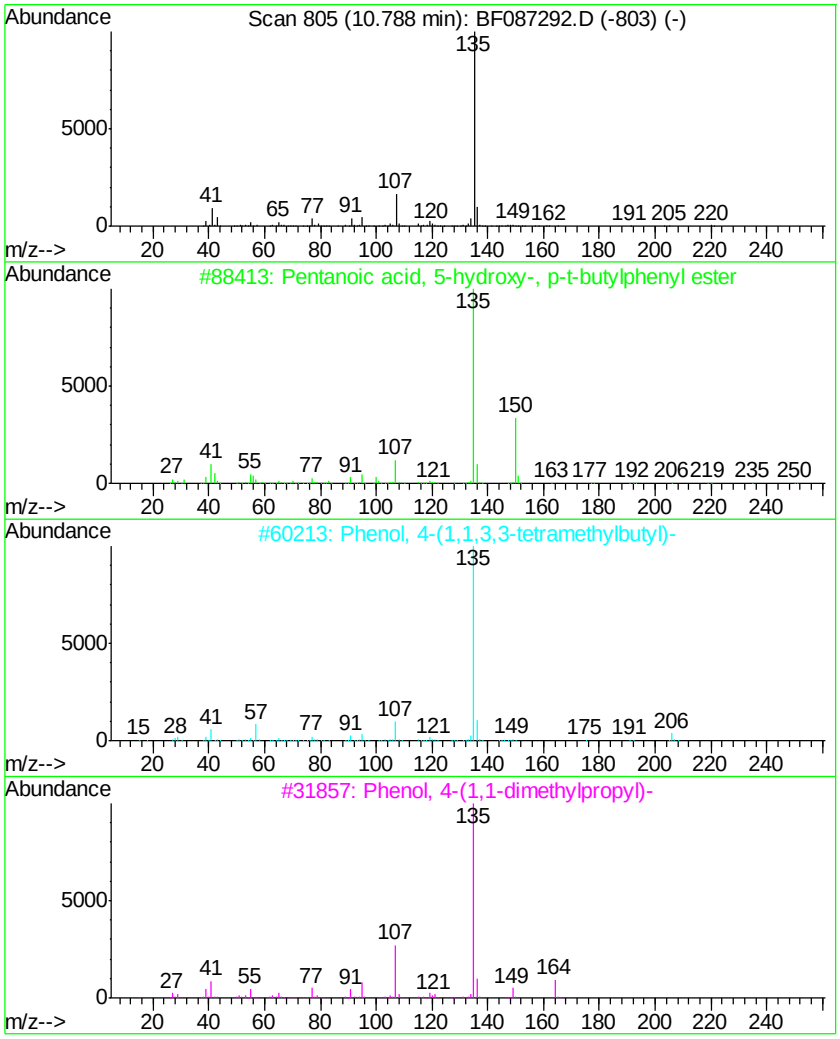
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

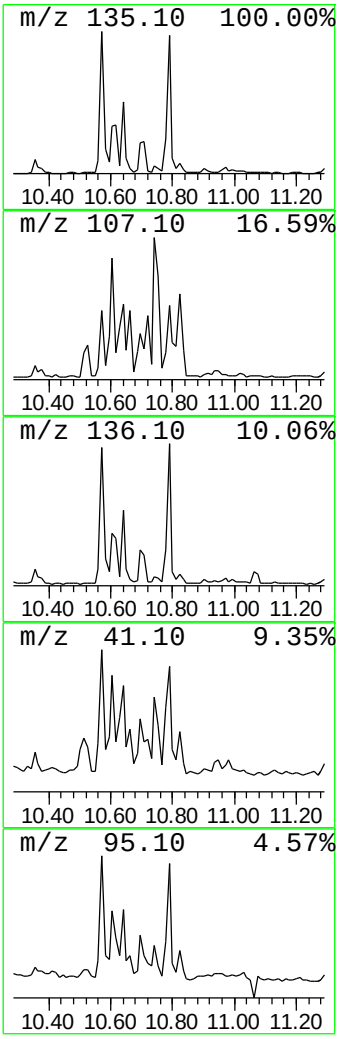
****

Peak Number 13 Pentanoic acid, 5-hydroxy-,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	14.04 ng	700346	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	78
2	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
3	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
4	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	64
5	((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

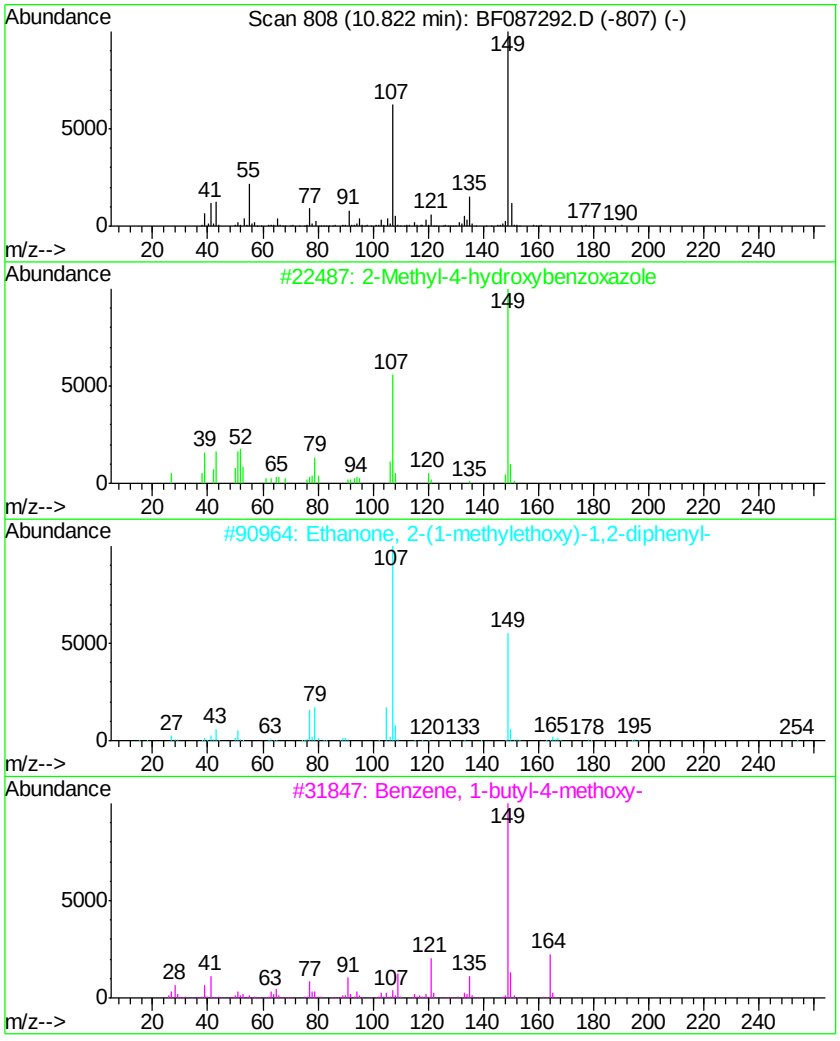
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

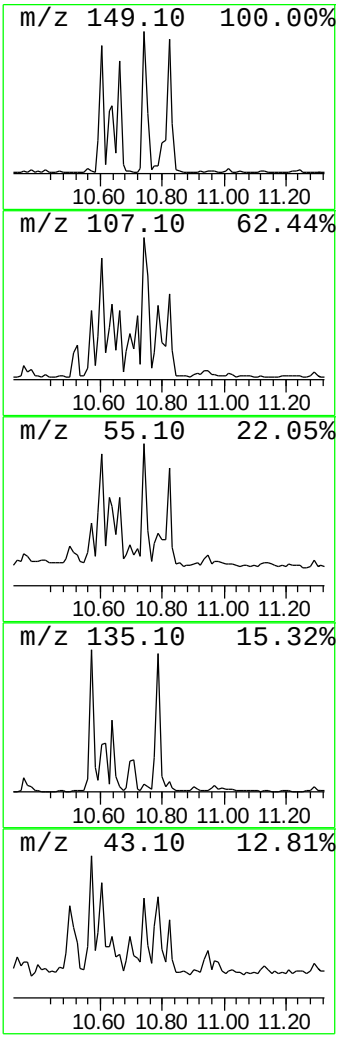
****

Peak Number 14 2-Methyl-4-hydroxybenzoxazole Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	5.93 ng	295776	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	72
2	Ethanone, 2-(1-methylethoxy)-1,2...	254	C17H18O2	006652-28-4	64
3	Benzene, 1-butyl-4-methoxy-	164	C11H16O	018272-84-9	50
4	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	50
5	5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-...	149	C6H7N5	1000244-21-4	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

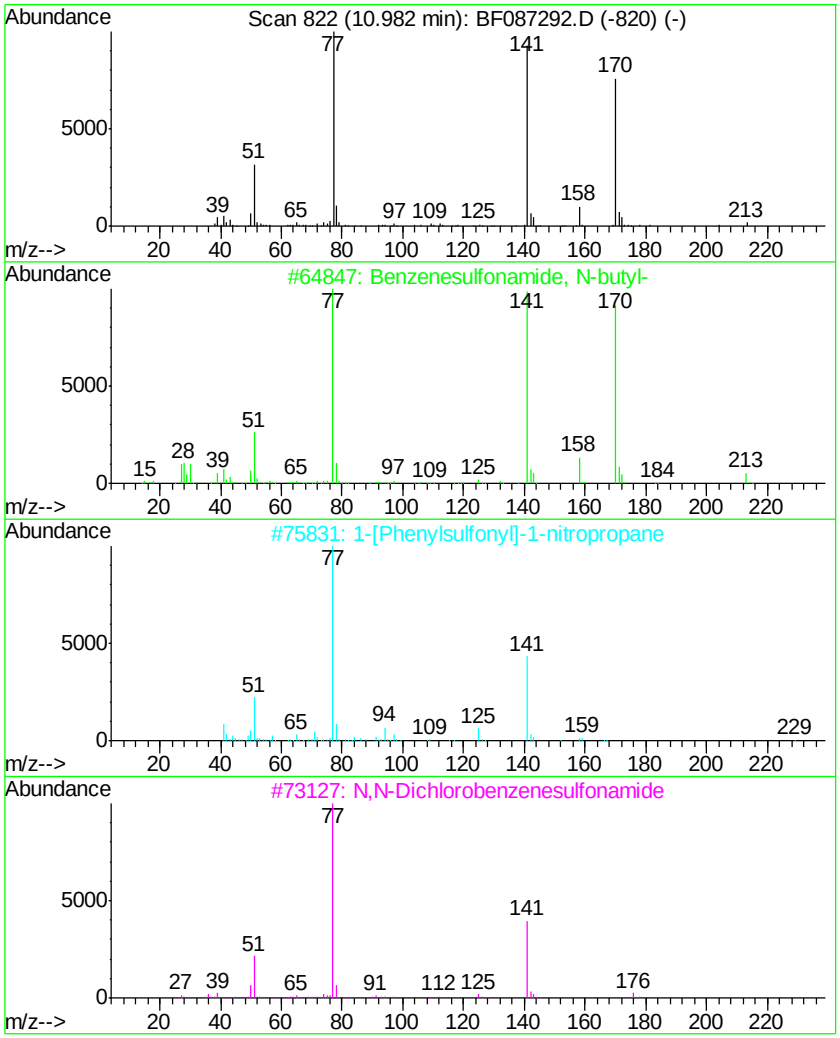
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

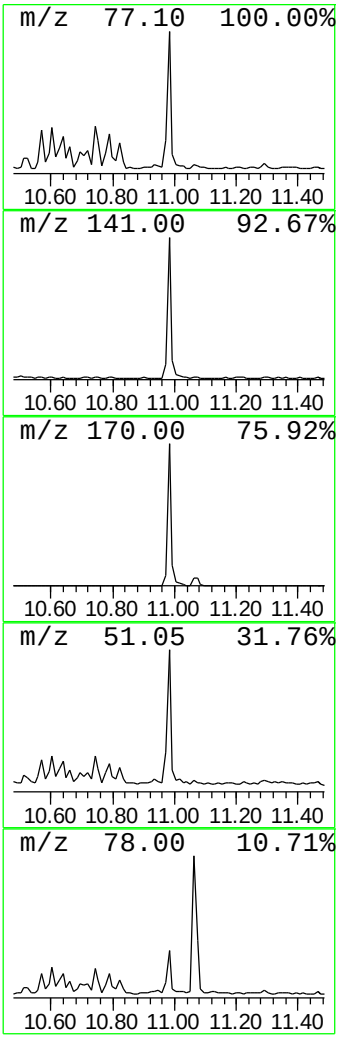
****

Peak Number 15 Benzenesulfonamide, N-butyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	3.40 ng	169381	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, N-butyl-	213	C10H15NO2S	003622-84-2	90
2	1-[Phenylsulfonyl]-1-nitropropane	229	C9H11NO4S	021272-84-4	50
3	N,N-Dichlorobenzenesulfonamide	225	C6H5Cl2NO2S	000473-29-0	50
4	N-Benzenesulfonyloxy-2,2-bis(tri...	335	C10H7F6NO3S	055734-41-3	40
5	(Phenylsulfonyl)acetonitrile	181	C8H7NO2S	007605-28-9	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

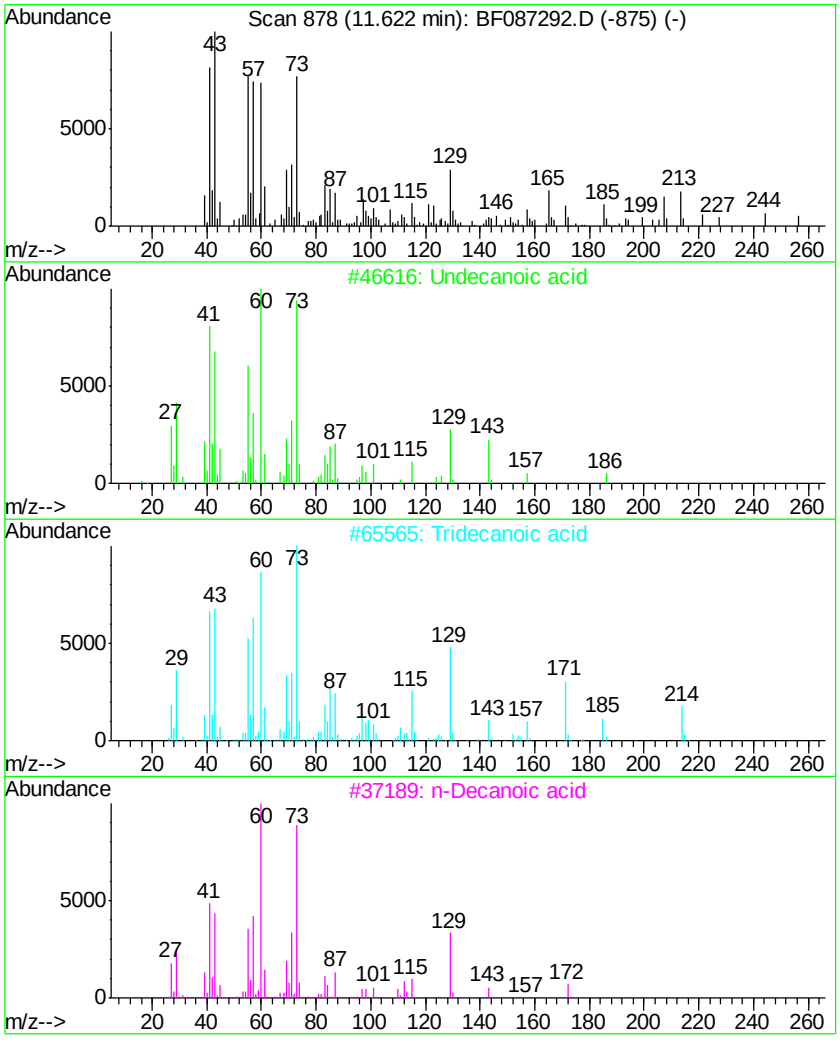
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

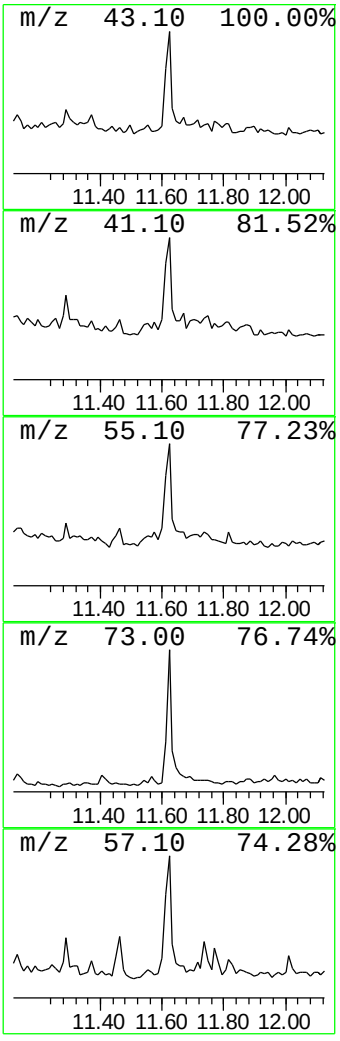
****

Peak Number 16 Undecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	3.45 ng	172238	Phenanthrene-d10	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecanoic acid	186	C11H22O2	000112-37-8	92
2	Tridecanoic acid	214	C13H26O2	000638-53-9	86
3	n-Decanoic acid	172	C10H20O2	000334-48-5	70
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

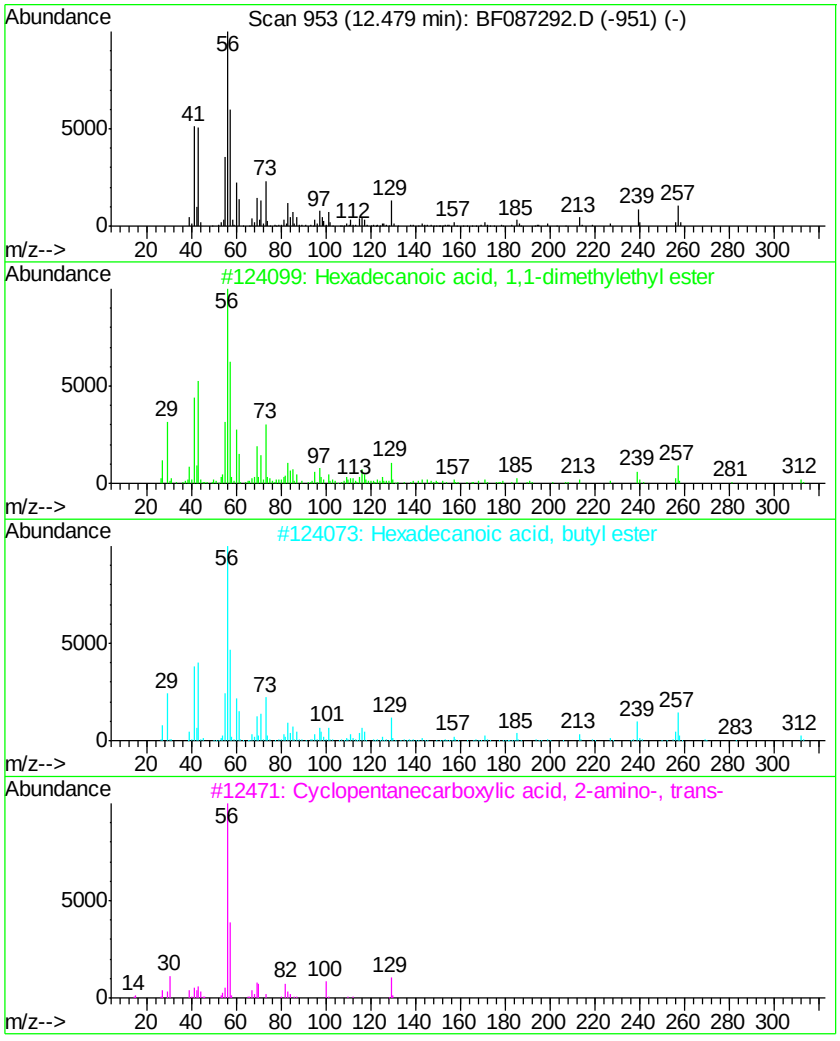
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

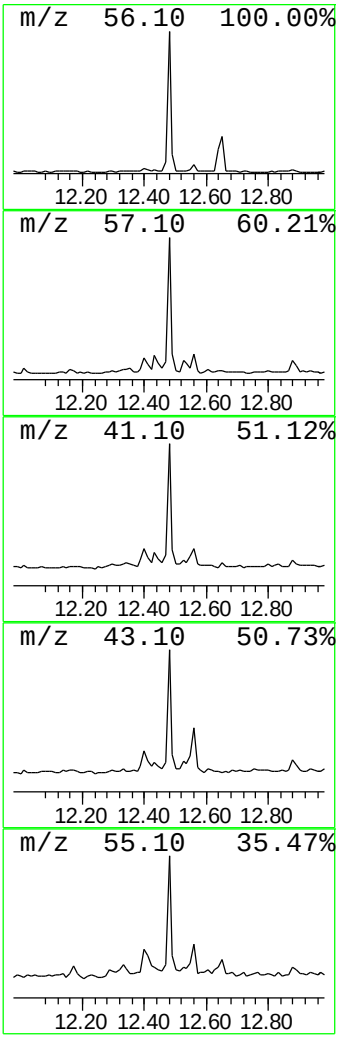
****

Peak Number 17 Hexadecanoic acid, 1,1-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	6.72 ng	254508	Chrysene-d12	13.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	62
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	53
3	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	040482-05-1	46
4	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	38
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

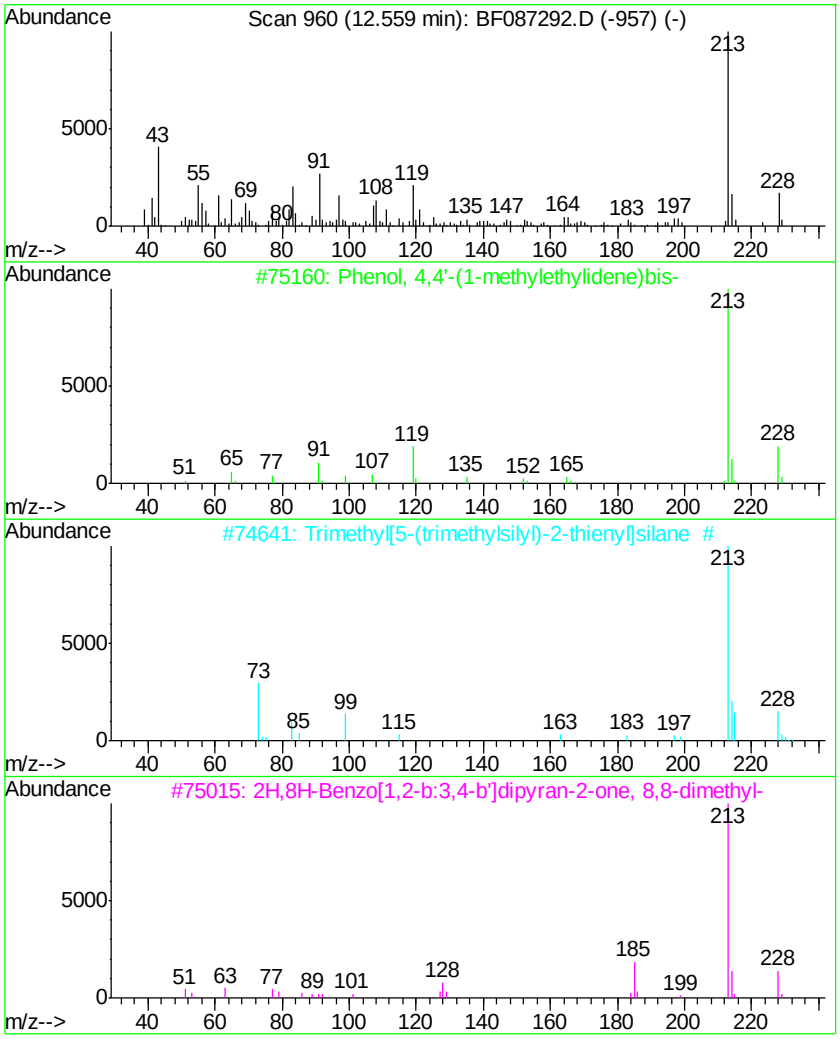
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

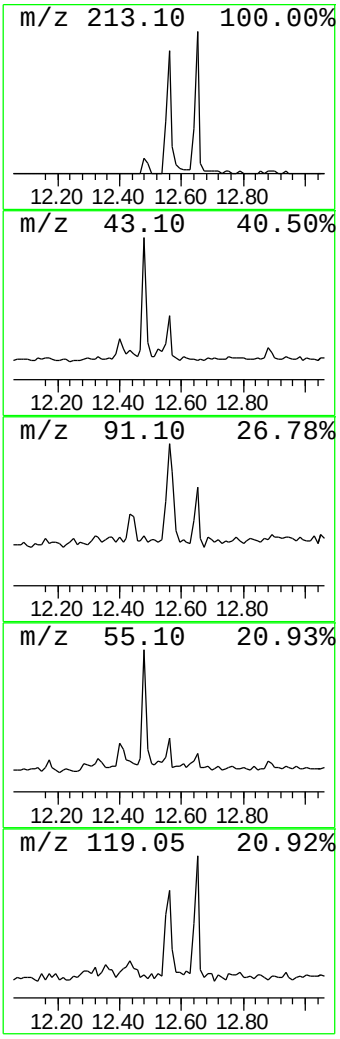
****

Peak Number 18 Phenol, 4,4'-(1-methylethyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	4.10 ng	155118	Chrysene-d12	13.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	70
2	Trimethyl[5-(trimethylsilyl)-2-t...	228	C10H20SSi2	017906-71-7	49
3	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	46
4	Phenol, 2,4'-isopropylidenedi-	228	C15H16O2	000837-08-1	38
5	2,3,5,6-Tetramethyl-1,7-dihydrod...	213	C13H15N3	055463-70-2	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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

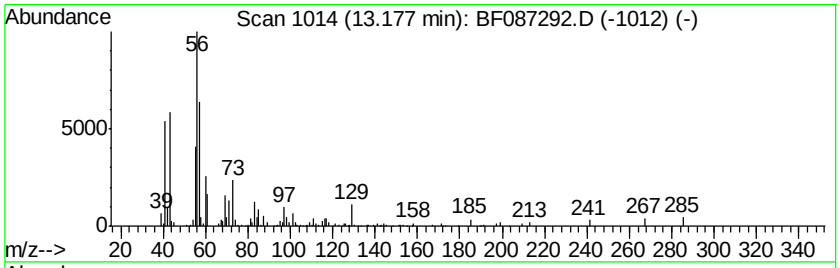
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

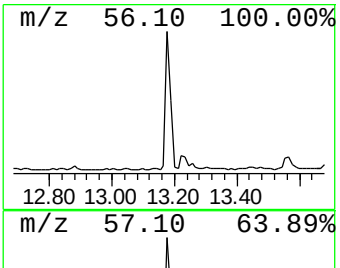
****

Peak Number 19 unknown13.18 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	3.96 ng	149944	Chrysene-d12	13.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	38
2	Cyclobutane, 1-hexyl-2,3-dimethyl-	168	C12H24	055170-84-8	38
3	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	38
4	2-Isopropyl-3-vinyloxirane	112	C7H12O	070777-23-0	37
5	Cyclohexane, (1,1-dimethylethyl)-	140	C10H20	003178-22-1	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-14

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

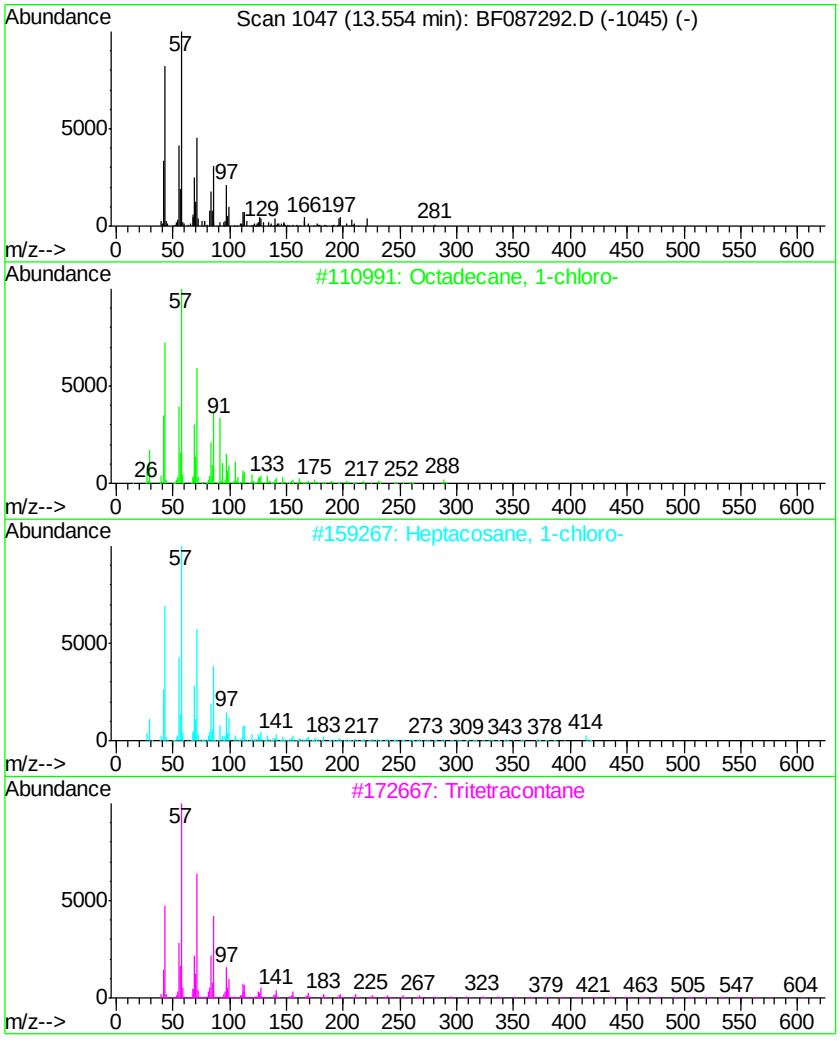
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

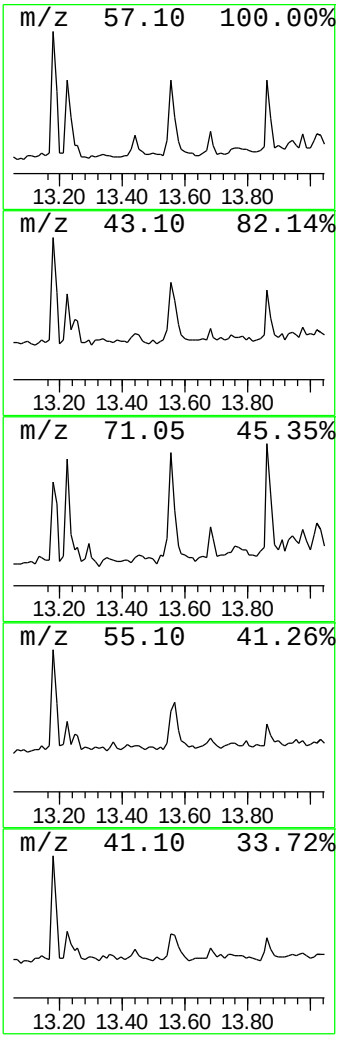
****

Peak Number 20 Octadecane, 1-chloro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	2.53 ng	95661	Chrysene-d12	13.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	64
2	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	64
3	Tritetracontane	605	C43H88	007098-21-7	64
4	Tetratetracontane	619	C44H90	007098-22-8	64
5	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052216\
Data File : BF087292.D
Acq On : 22 May 2016 15:50
Operator : UM/SJ
Sample : H3172-08
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-14

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
2-Pentanone, 4-hy...	4.70	2.5	ng	102742	1	6.56	833943	20.0
unknown6.33	6.33	96.2	ng	4012570	1	6.56	833943	20.0
Phenol, 2,6-bis(1...	9.26	4.1	ng	233023	3	9.59	1148760	20.0
2,5-Cyclohexadien...	9.42	2.5	ng	143150	3	9.59	1148760	20.0
3',4'-Acetoxylide	10.53	5.5	ng	272487	4	11.06	997664	20.0
Phenol, 4-(1,1,3,...	10.57	10.8	ng	539219	4	11.06	997664	20.0
unknown10.61	10.61	13.6	ng	678792	4	11.06	997664	20.0
unknown10.64	10.64	17.6	ng	875898	4	11.06	997664	20.0
Phenol, 4-(1,1-di...	10.70	10.8	ng	537463	4	11.06	997664	20.0
unknown10.74	10.74	13.0	ng	646883	4	11.06	997664	20.0
Pentanoic acid, 5...	10.79	14.0	ng	700346	4	11.06	997664	20.0
2-Methyl-4-hydrox...	10.82	5.9	ng	295776	4	11.06	997664	20.0
Benzenesulfonamid...	10.98	3.4	ng	169381	4	11.06	997664	20.0
Undecanoic acid	11.62	3.5	ng	172238	4	11.06	997664	20.0
Hexadecanoic acid...	12.48	6.7	ng	254508	5	13.69	756913	20.0
Phenol, 4,4'-(1-m...	12.56	4.1	ng	155118	5	13.69	756913	20.0
unknown13.18	13.18	4.0	ng	149944	5	13.69	756913	20.0
Octadecane, 1-chl...	13.55	2.5	ng	95661	5	13.69	756913	20.0