LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

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-BF102317.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	5.010	494	497	510	rBV	151300	221616	7.21%	0.444%
2	5.416	563	566	585	rBV	1280252	1425175	46.37%	2.856%
3	5.928	650	653	658	rVB2	56744	79614	2.59%	0.160%
4	5.981	658	662	664	rBV2	47675	55759	1.81%	0.112%
5	6.028	664	670	673	rBV2	159724	216394	7.04%	0.434%
6	6.081	676	679	682	rVB	148185	121975	3.97%	0.244%
7	6.116	682	685	688	rBV3	40396	55454	1.80%	0.111%
8	6.216	697	702	705	rBV2	147018	189065	6.15%	0.379%
9	6.257	705	709	711	rBV2	92169	95668	3.11%	0.192%
10	6.281	711	713	715	rVB	189154	138368	4.50%	0.277%
11	6.316	715	719	726	rBV3	215823	369001	12.01%	0.740%
12	6.369	726	728	731	rBV	81704	63077	2.05%	0.126%
13	6.398	731	733	736	rBV3	51705	53760	1.75%	0.108%
14	6.440	736	740	745	rBV	1392656	1502265	48.88%	3.011%
15	6.481	745	747	750	rVB	93529	82610	2.69%	0.166%
16	6.528	750	755	759	rBV3	197705	353313	11.49%	0.708%
17	6.569	759	762	767	rVB	1736915	1650357	53.69%	3.308%
18	6.622	767	771	772	rBV3	121055	119350	3.88%	0.239%
19	6.640	772	774	777	rVB3	177316	158477	5.16%	0.318%
20	6.675	777	780	781	rBV2	79900	74921	2.44%	0.150%
21	6.710	781	786	787	rBV3	116444	150104	4.88%	0.301%
22	6.751	790	793	794	rBV3	184017	174002	5.66%	0.349%
23	6.769	794	796	798	rBV2	149136	129800	4.22%	0.260%
24	6.798	798	801	805	rVB	1351951	1248305	40.61%	2.502%
25	6.845	805	809	811	rBV3	297295	339408	11.04%	0.680%
26	6.881	811	815	816	rBV2	215479	252547	8.22%	0.506%
27	6.898	816	818	821	rVB	284290	244675	7.96%	0.490%
28	6.934	821	824	825	rBV	581596	547674	17.82%	1.098%
29	6.951	825	827	832	rVB2	1322025	1351484	43.97%	2.709%
30	7.016	835	838	840	rBV2	324647	280592	9.13%	0.562%
31	7.063	840	846	849	rVB4	872312	1326796	43.17%	2.659%
32	7.092	849	851	853	rBV2	316547	253071	8.23%	0.507%
33	7.134	856	858	861	rBV3	267648	257138	8.37%	0.515%
34	7.187	862	867	869	rBV3	589457	679844	22.12%	1.363%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.210	869	871	877	rVB6	383435	538468	17.52%	1.079%
36	7.263	877	880	883	rBV2	239173	277501	9.03%	0.556%
37	7.328	883	891	894	rBV2	1255128	2082268	67.75%	4.173%
38	7.369	894	898	904	rVB3	1450194	1892151	61.56%	3.792%
39	7.434	904	909	912	rBV6	1086475	1643737	53.48%	3.294%
40	7.498	912	920	924	rBV4	815159	2022321	65.80%	4.053%
41	7.545	924	928	930	rBV4	469995	553285	18.00%	1.109%
42	7.569	930	932	935	rBV2	1050628	1108569	36.07%	2.222%
43	7.598	935	937	940	rVB3	906952	835555	27.18%	1.675%
44	7.628	940	942	944	rBV	273605	174418	5.67%	0.350%
45	7.681	947	951	952	rBV3	680049	860070	27.98%	1.724%
46	7.716	955	957	961	rVB3	921364	1035304	33.68%	2.075%
47	7.757	961	964	967	rVB3	788126	944036	30.71%	1.892%
48	7.792	967	970	972	rVB3	362855	321236	10.45%	0.644%
49	7.822	972	975	977	rBV2	835706	1048036	34.10%	2.100%
50	7.898	984	988	993	rBV5	959720	1393826	45.35%	2.793%
51	7.951	994	997	1000	rBV2	949682	1242499	40.42%	2.490%
52	7.986	1000	1003	1005	rVB	502971	420067	13.67%	0.842%
53	8.039	1006	1012	1014	rBV5	957768	1847535	60.11%	3.703%
54	8.075	1014	1018	1021	rVV3	1269457	2500815	81.36%	5.012%
55	8.151	1025	1031	1033	rVV2	1539099	3073647	100.00%	6.160%
56	8.175	1033	1035	1038	rVB2	714250	683497	22.24%	1.370%
57	8.239	1043	1046	1047	rBV3	583789	582904	18.96%	1.168%
58	8.286	1051	1054	1057	rVB2	1053530	1181444	38.44%	2.368%
59	8.375	1065	1069	1073	rVB5	970366	1526687	49.67%	3.060%
60	8.475	1083	1086	1088	rBV3	654584	680365	22.14%	1.364%
61	8.516	1090	1093	1098	rVV2	1118513	2038582	66.32%	4.086%
62	12.416	1754	1756	1759	rVB2	534218	462259	15.04%	0.926%
63	12.810	1821	1823	1827	rVB3	388153	483559	15.73%	0.969%
64	12.857	1828	1831	1834	rVB	500951	504899	16.43%	1.012%
65	12.933	1841	1844	1846	rVB	930978	776154	25.25%	1.556%
66	13.992	2021	2024	2028	rVB	463909	408033	13.28%	0.818%
67	15.462	2269	2274	2283	rVB	366020	490566	15.96%	0.983%

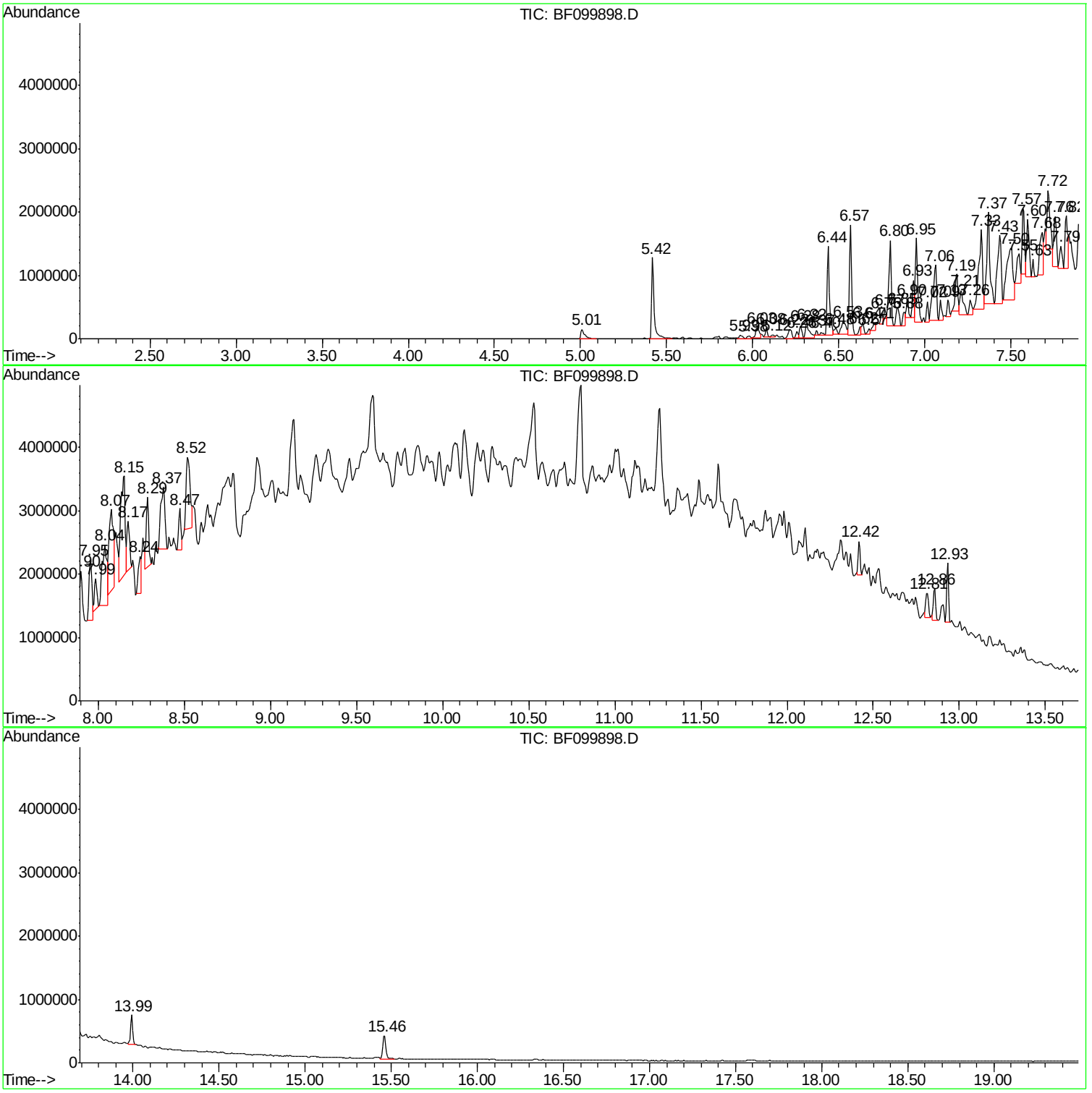
Sum of corrected areas: 49895952

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

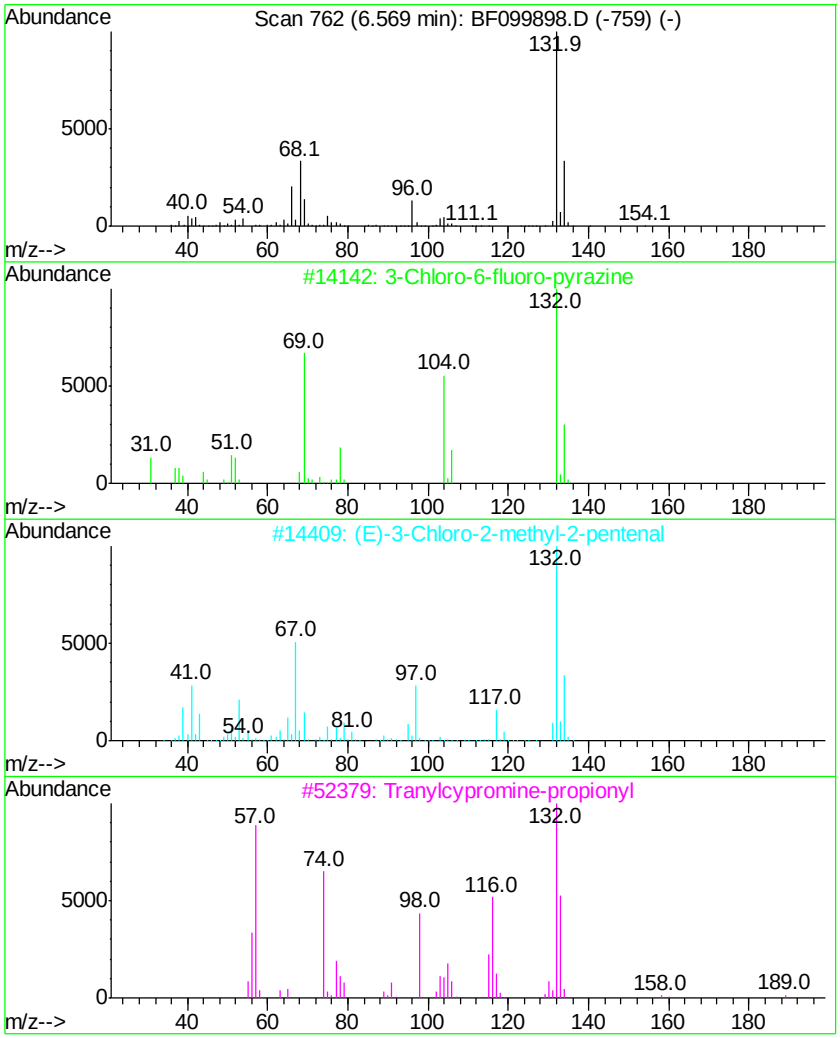
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

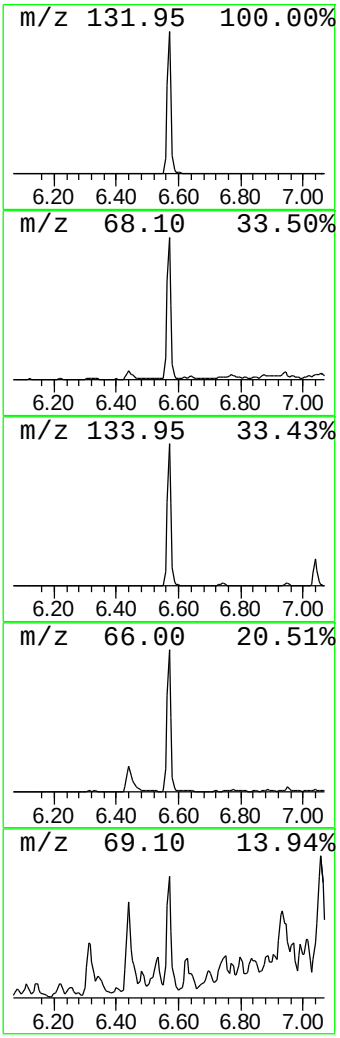
****

Peak Number 1 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	26.44 ng	1650360	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

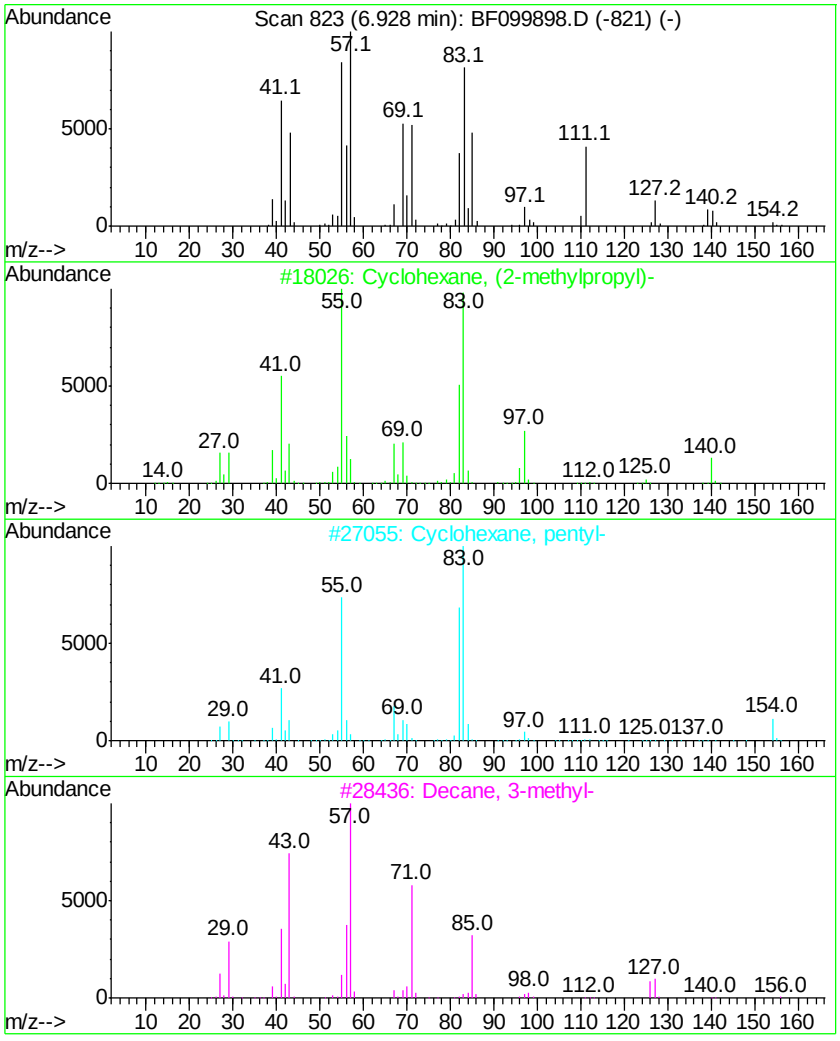
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

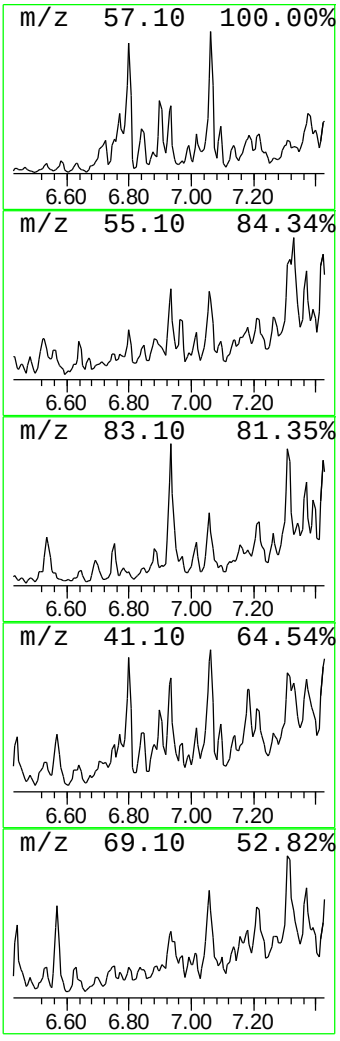
****

Peak Number 2 unknown6.93 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	8.77 ng	547674	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	38
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	30
3	Decane, 3-methyl-	156	C11H24	013151-34-3	30
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	27
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

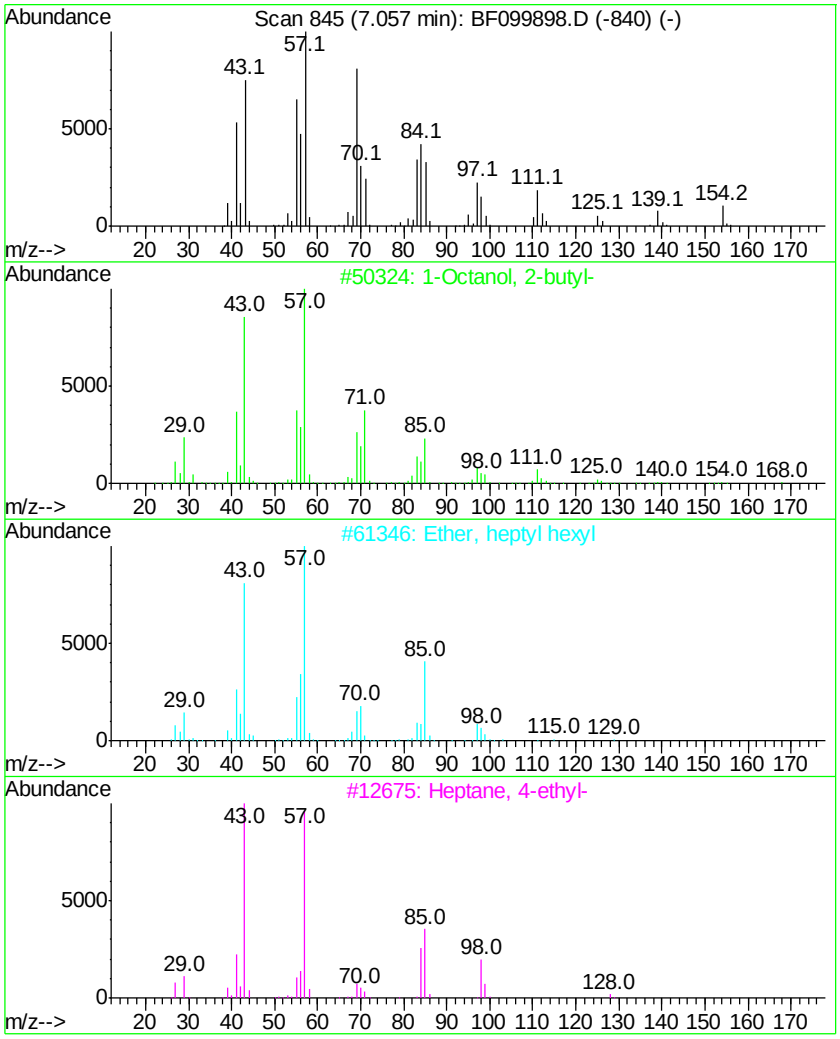
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

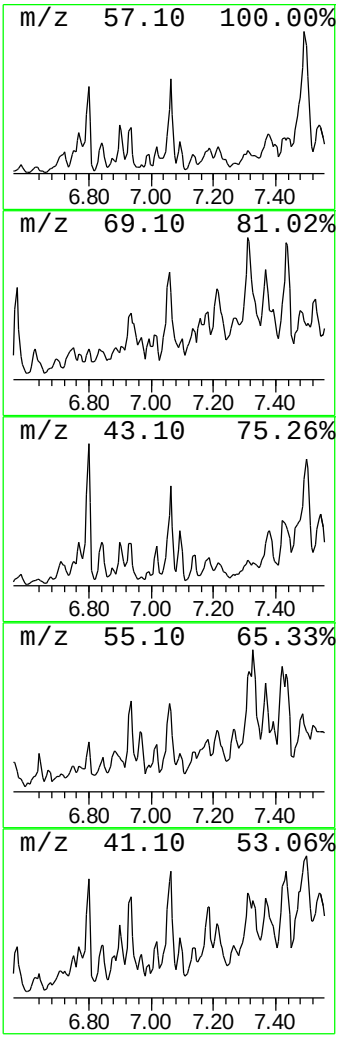
****

Peak Number 4 1-Octanol, 2-butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	21.26 ng	1326800	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72
2	Ether, heptyl hexyl	200	C13H28O	007289-40-9	53
3	Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
4	Decane, 5-methyl-	156	C11H24	013151-35-4	50
5	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

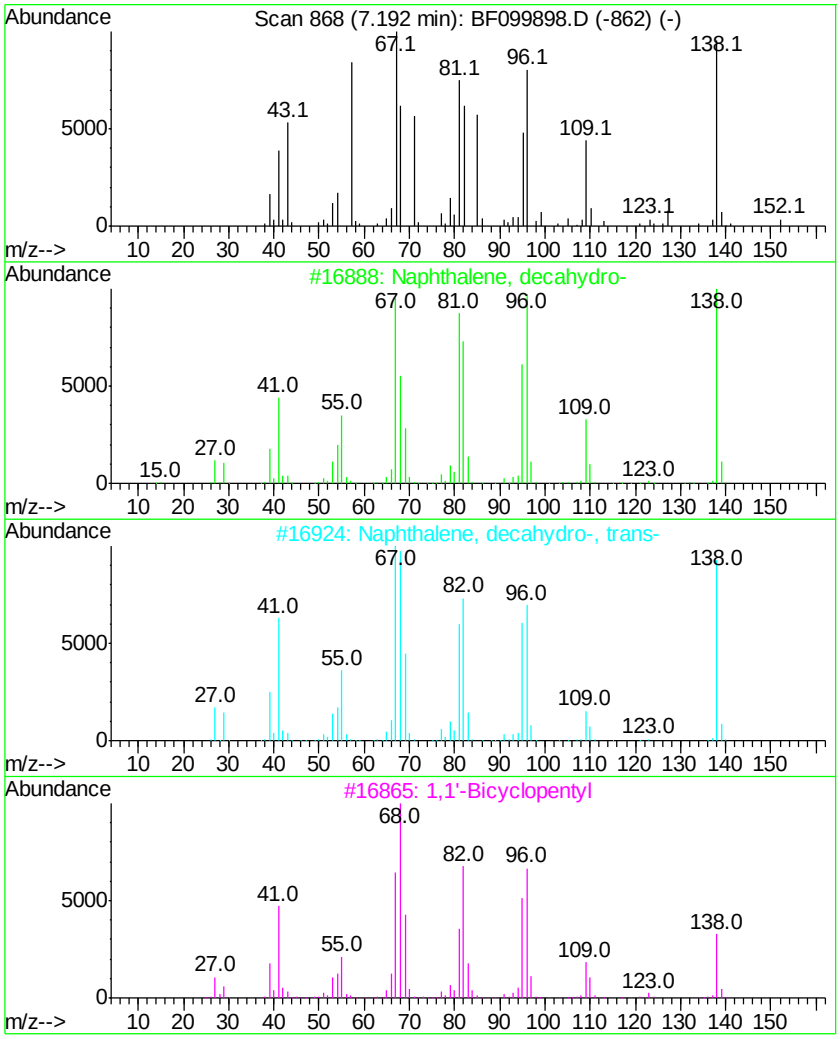
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

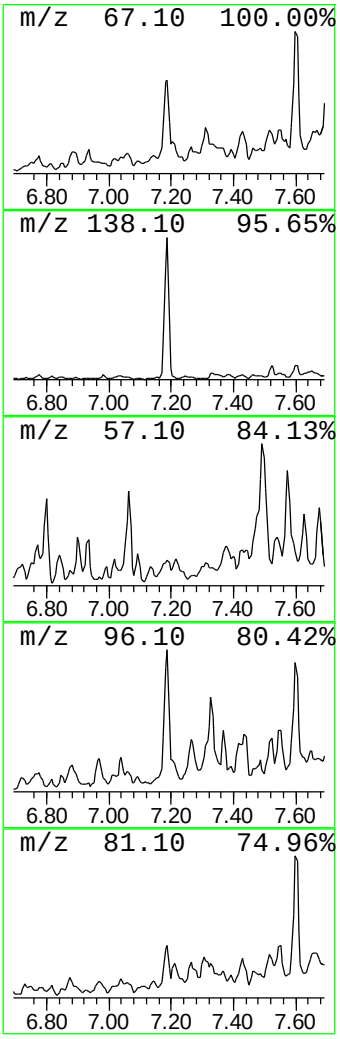
****

Peak Number 5 Naphthalene, decahydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	10.89 ng	679844	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	96
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
3	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	74
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	70
5	Cyclopentanone, 2-(2-methylpropy...	138	C9H14O	016856-72-7	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

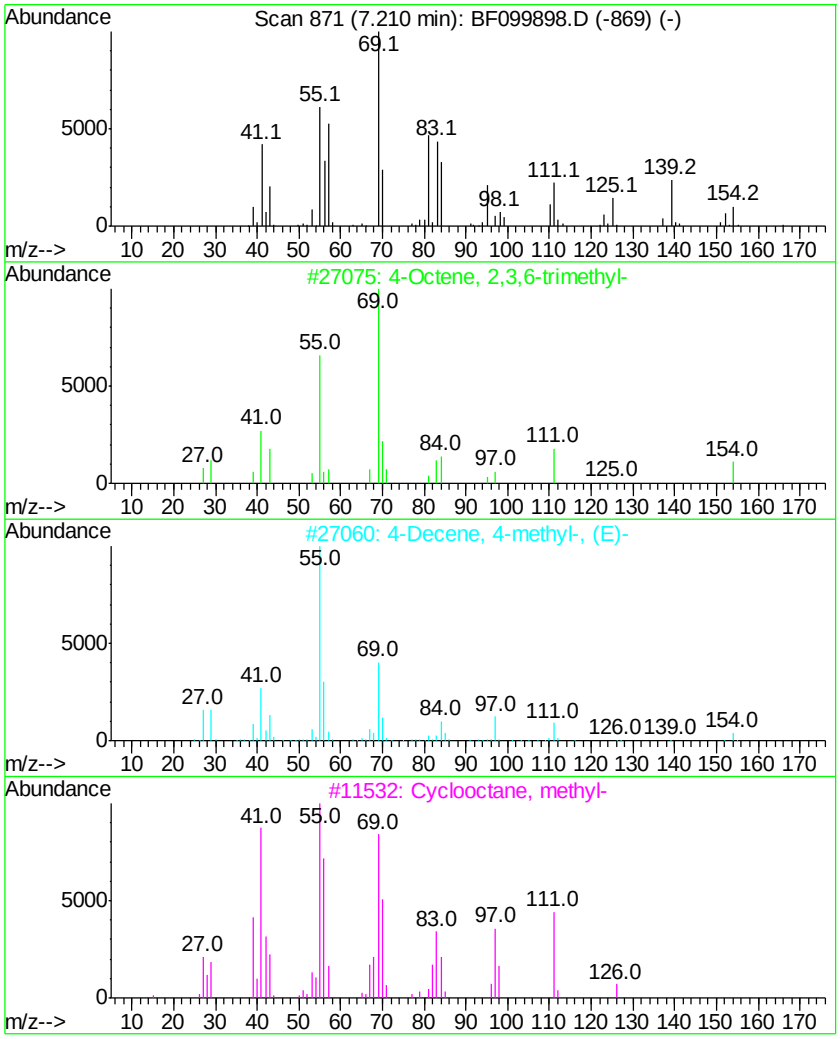
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

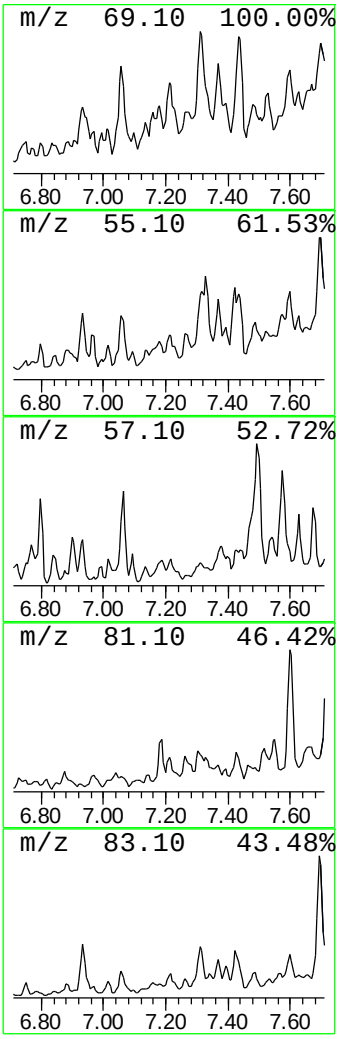
****

Peak Number 6 unknown7.21 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	8.63 ng	538468	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	49
2	4-Decene, 4-methyl-, (E)-	154	C11H22	060366-66-7	47
3	Cyclooctane, methyl-	126	C9H18	001502-38-1	47
4	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	47
5	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

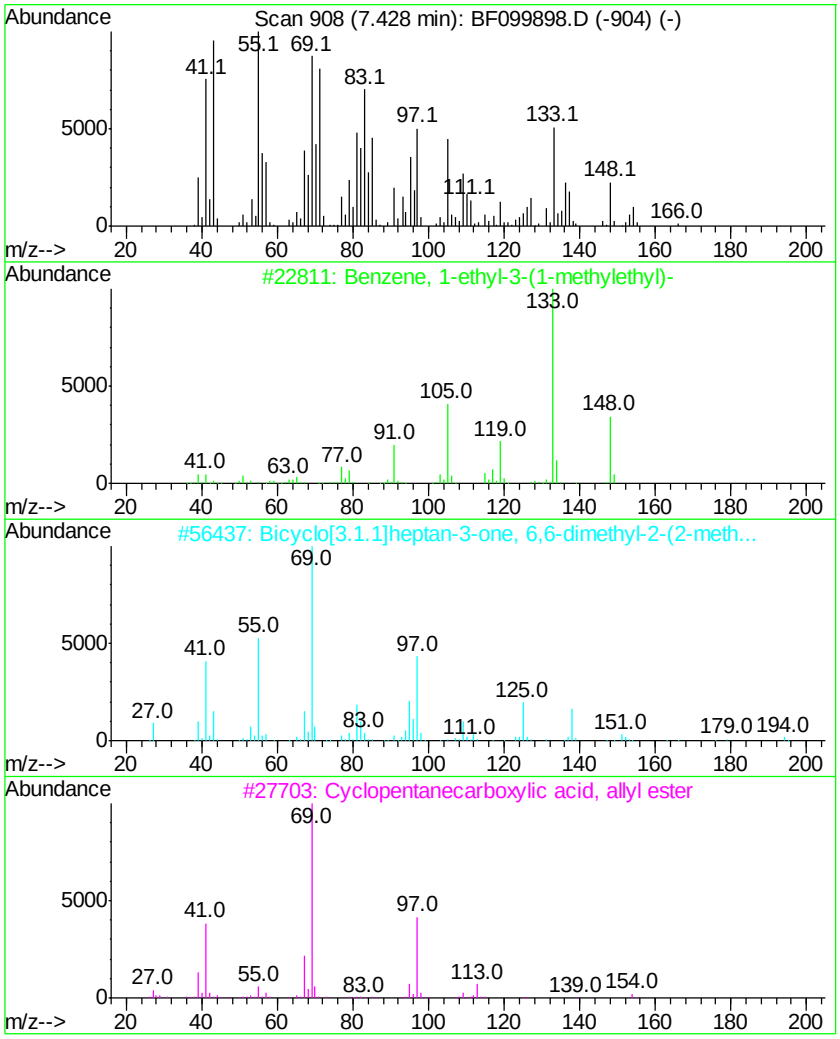
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

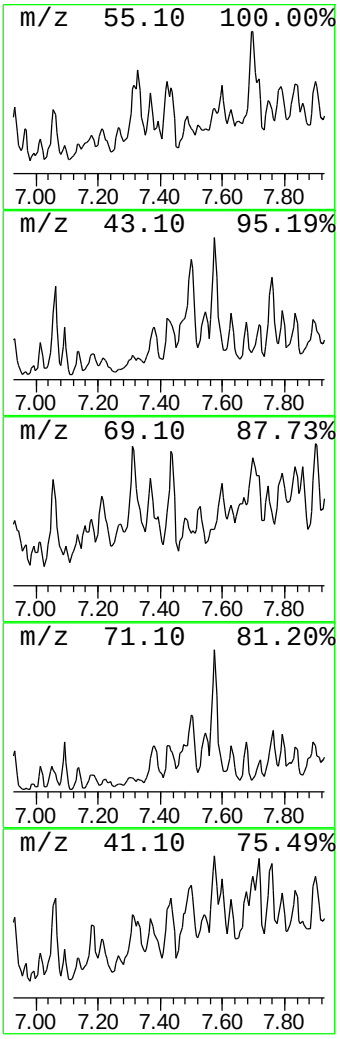
****

Peak Number 7 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	26.34 ng	1643740	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58
2	Bicyclo[3.1.1]heptan-3-one, 6,6-...	194	C13H22O	1000163-97-9	38
3	Cyclopentanecarboxylic acid, all...	154	C9H14O2	178905-33-4	27
4	5-Hexen-2-one, 5-methyl-	112	C7H12O	003240-09-3	27
5	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

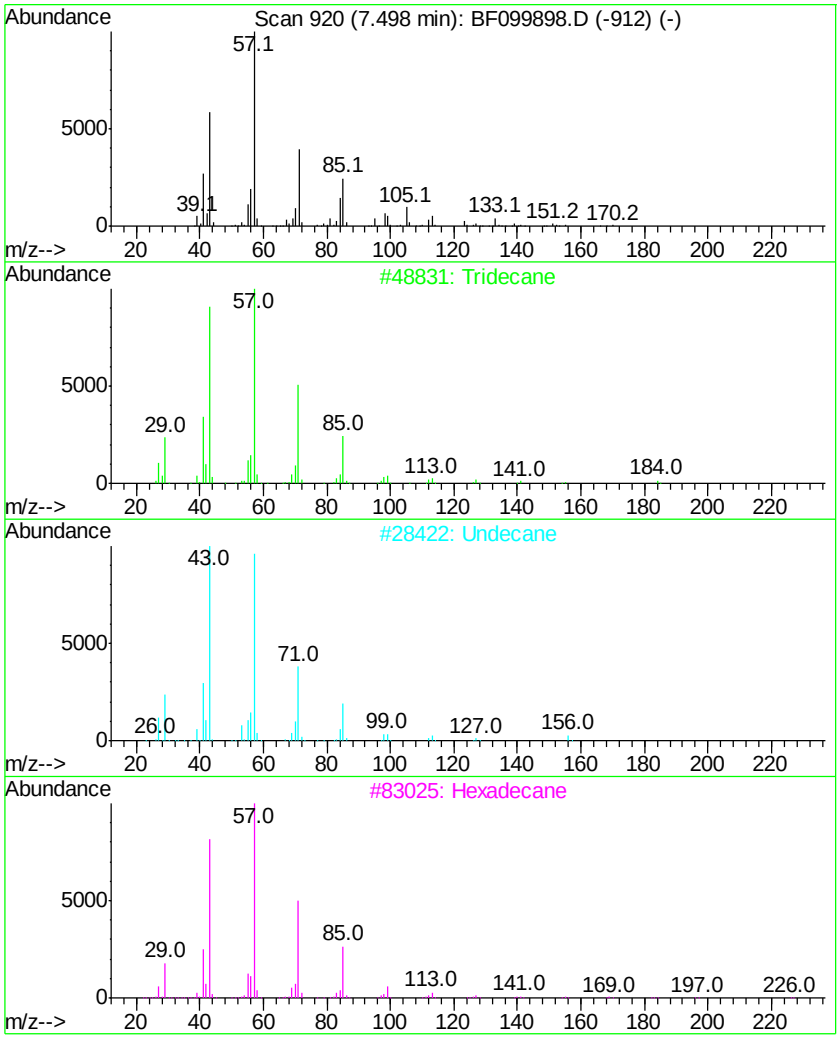
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

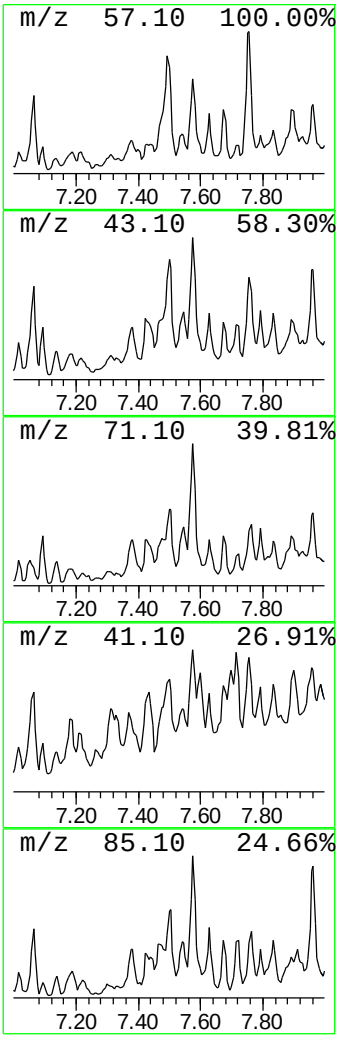
****

Peak Number 8 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	16.17 ng	2022320	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	59
2	Undecane	156	C11H24	001120-21-4	59
3	Hexadecane	226	C16H34	000544-76-3	53
4	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	50
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

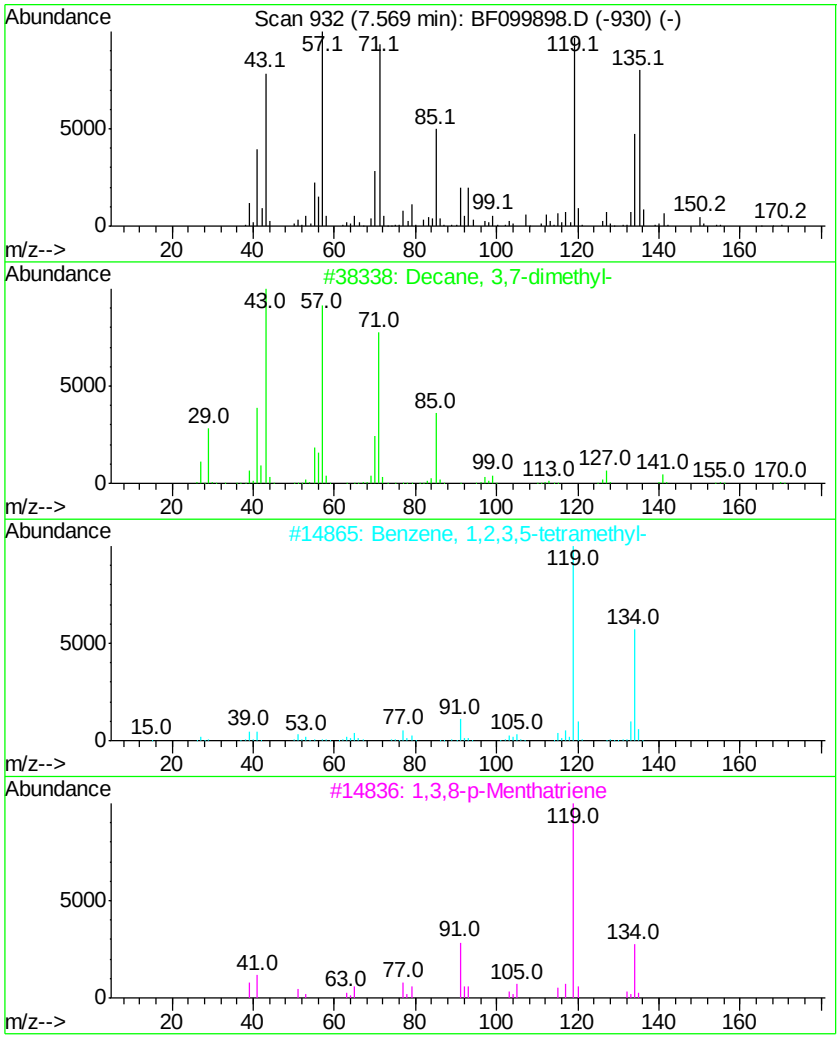
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

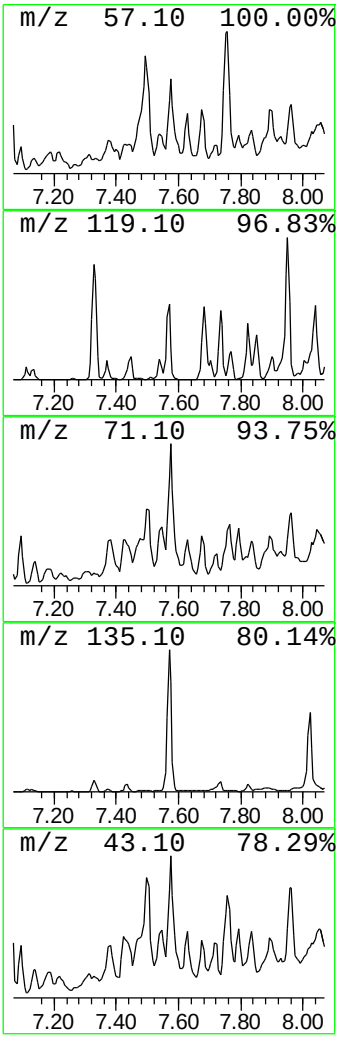
****

Peak Number 9 Decane, 3,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	8.87 ng	1108570	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	55
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	35
3	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	35
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	35
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

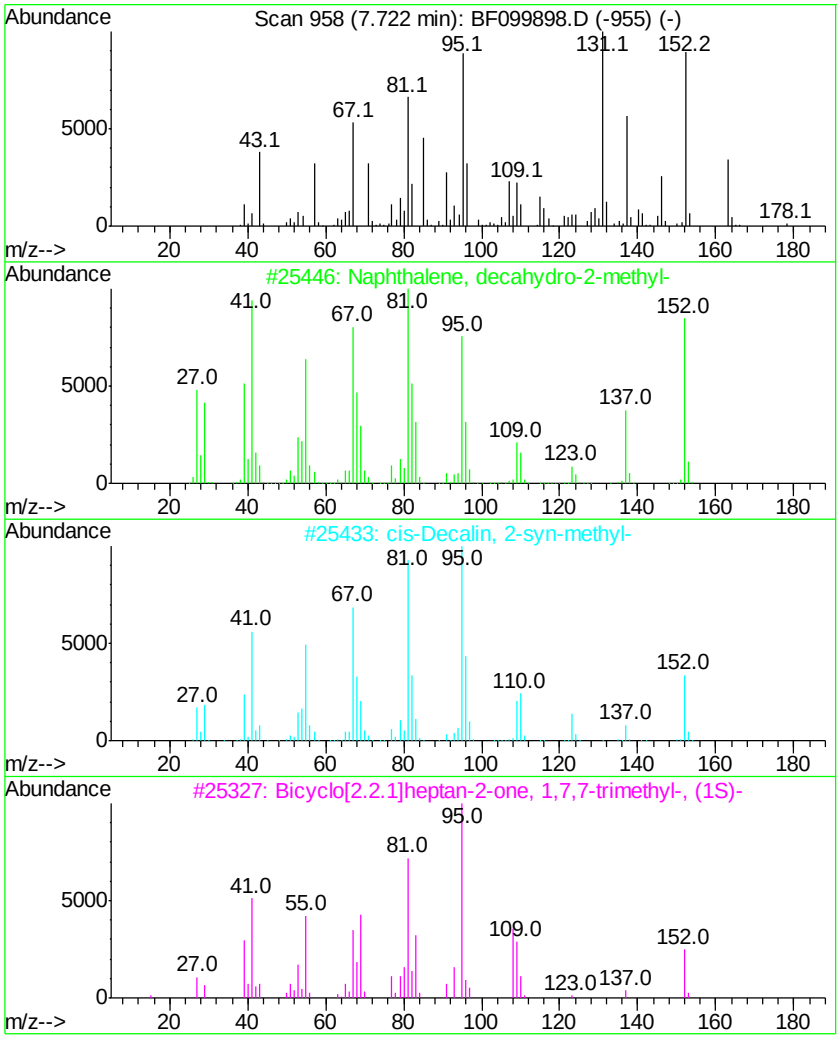
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

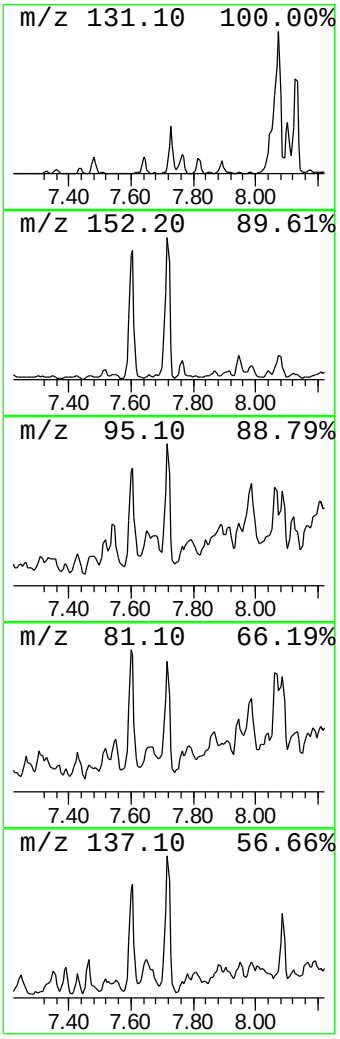
****

Peak Number 11 Naphthalene, decahydro-2-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	8.28 ng	1035300	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	74
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	58
4	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	58
5	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

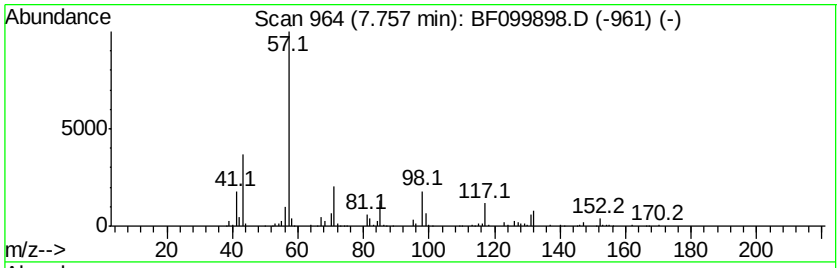
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

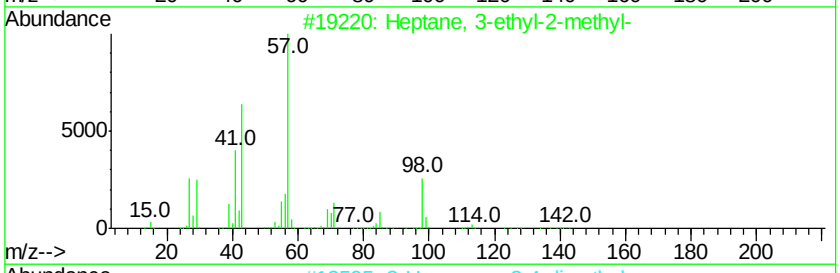
****

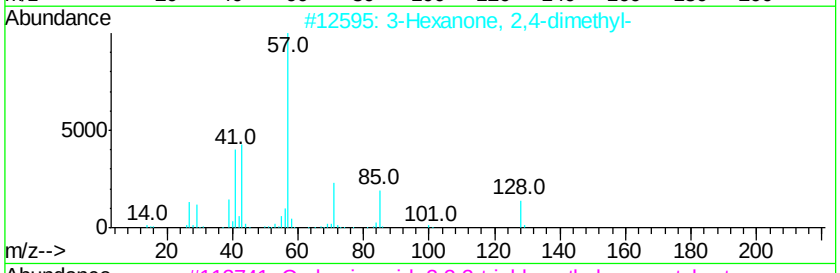
Peak Number 12 Heptane, 3-ethyl-2-methyl- Concentration Rank 19

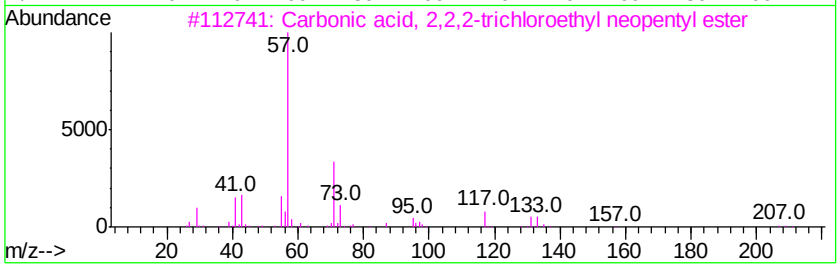
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	7.55 ng	944036	Naphthalene-d8	8.09

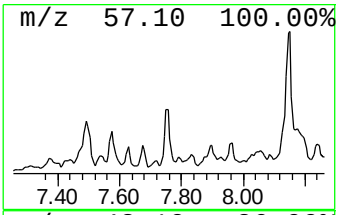
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
2	3-Hexanone, 2,4-dimethyl-	128	C8H16O	018641-70-8	47
3	Carbonic acid, 2,2,2-trichloroet...	262	C8H13Cl3O3	1000357-89-3	47
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
5	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	38

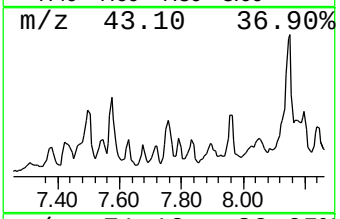


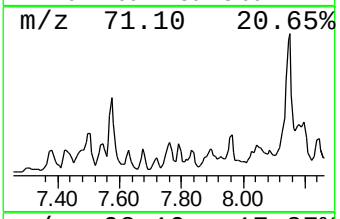


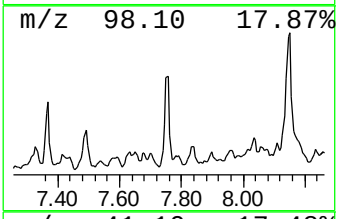


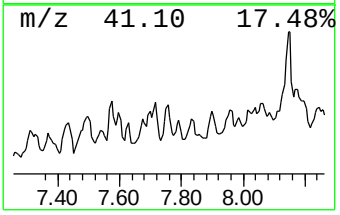












Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

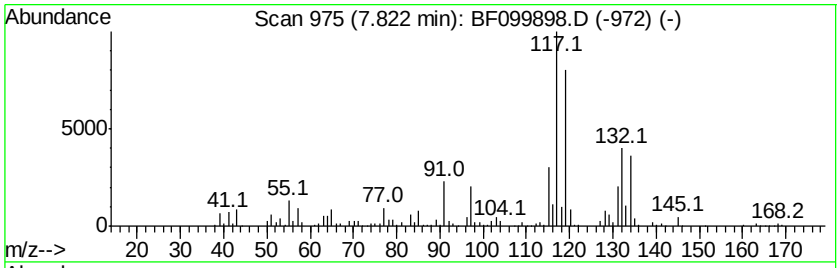
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

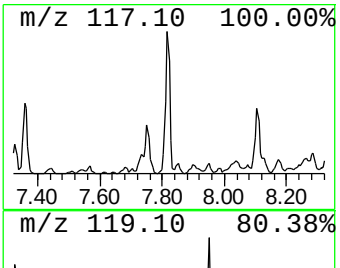
****

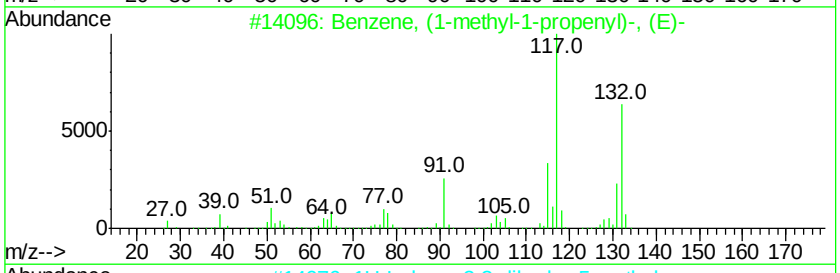
Peak Number 13 Benzene, (1-methyl-1-propen... Concentration Rank 17

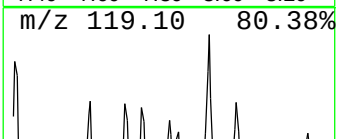
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	8.38 ng	1048040	Naphthalene-d8	8.09

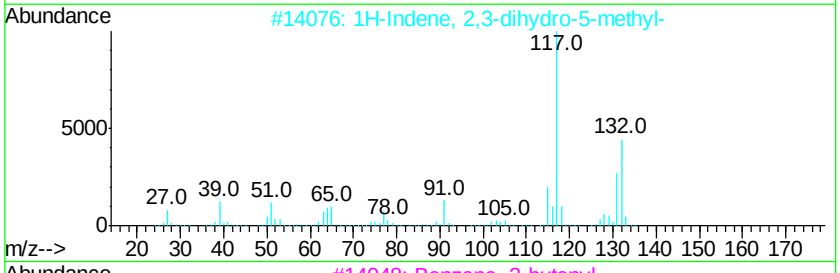
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	78
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	55
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	55
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50

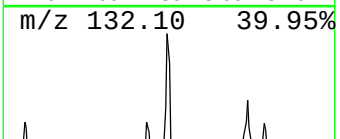


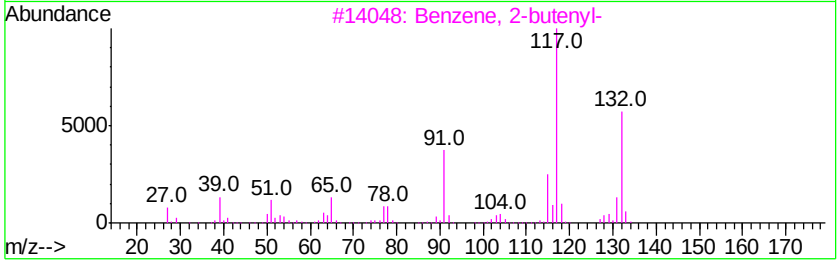


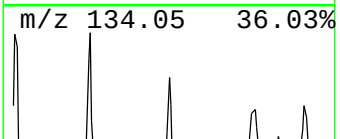


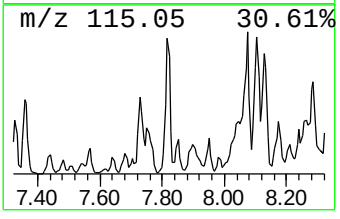












Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

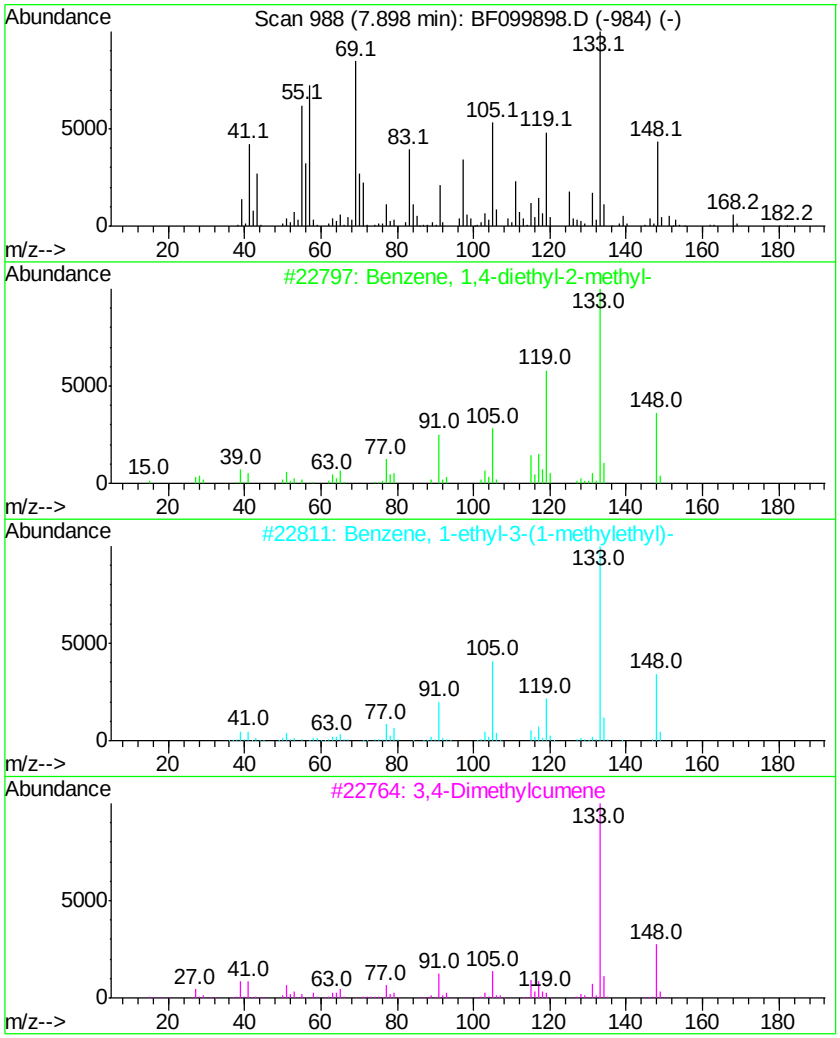
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

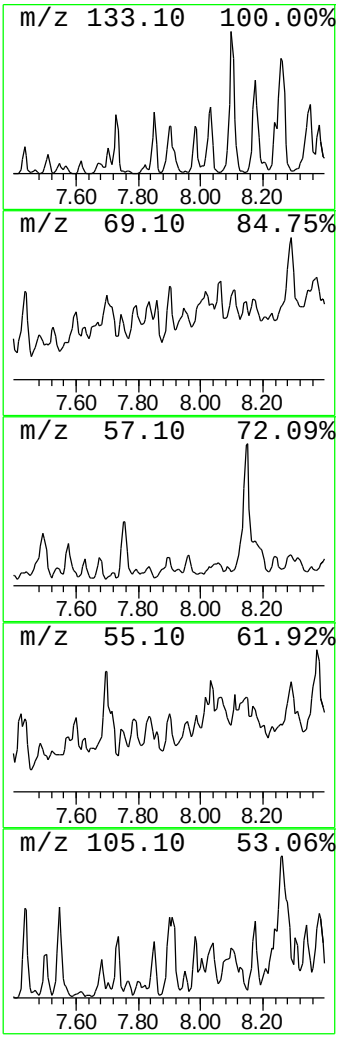
****

Peak Number 14 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	11.15 ng	1393830	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	89
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	42
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	42
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	38
5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

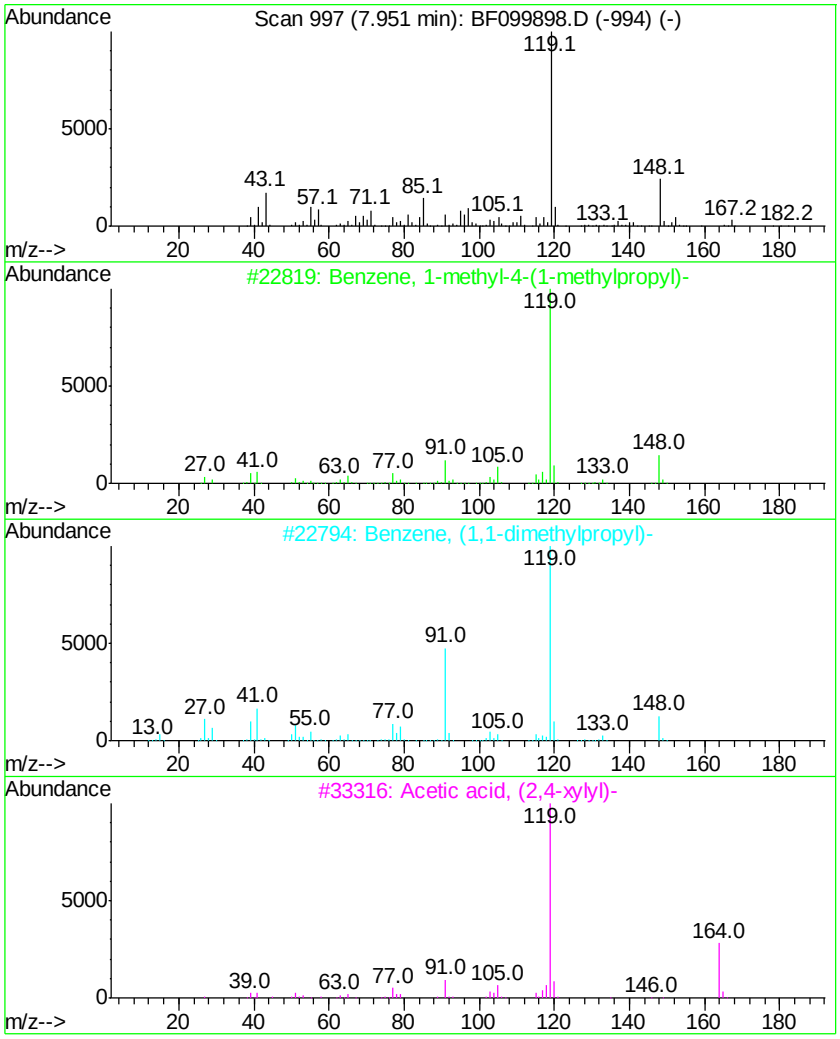
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

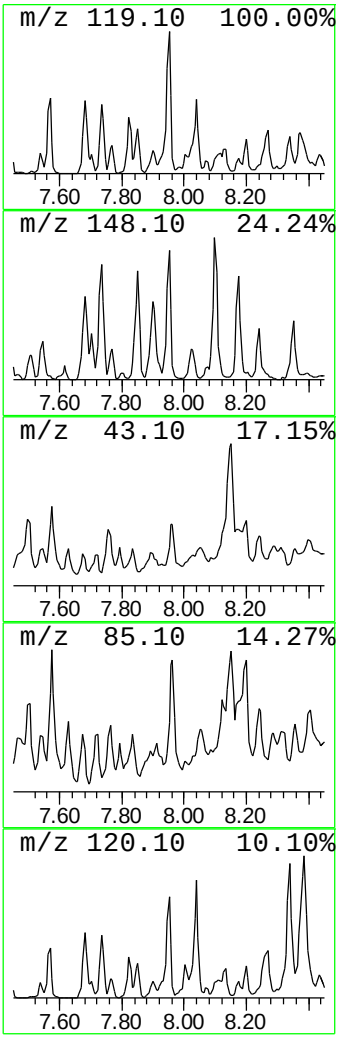
****

Peak Number 15 Benzene, 1-methyl-4-(1-meth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	9.94 ng	1242500	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	76
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
3	Acetic acid, (2,4-xylyl)-	164	C10H12O2	006331-04-0	47
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	47
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

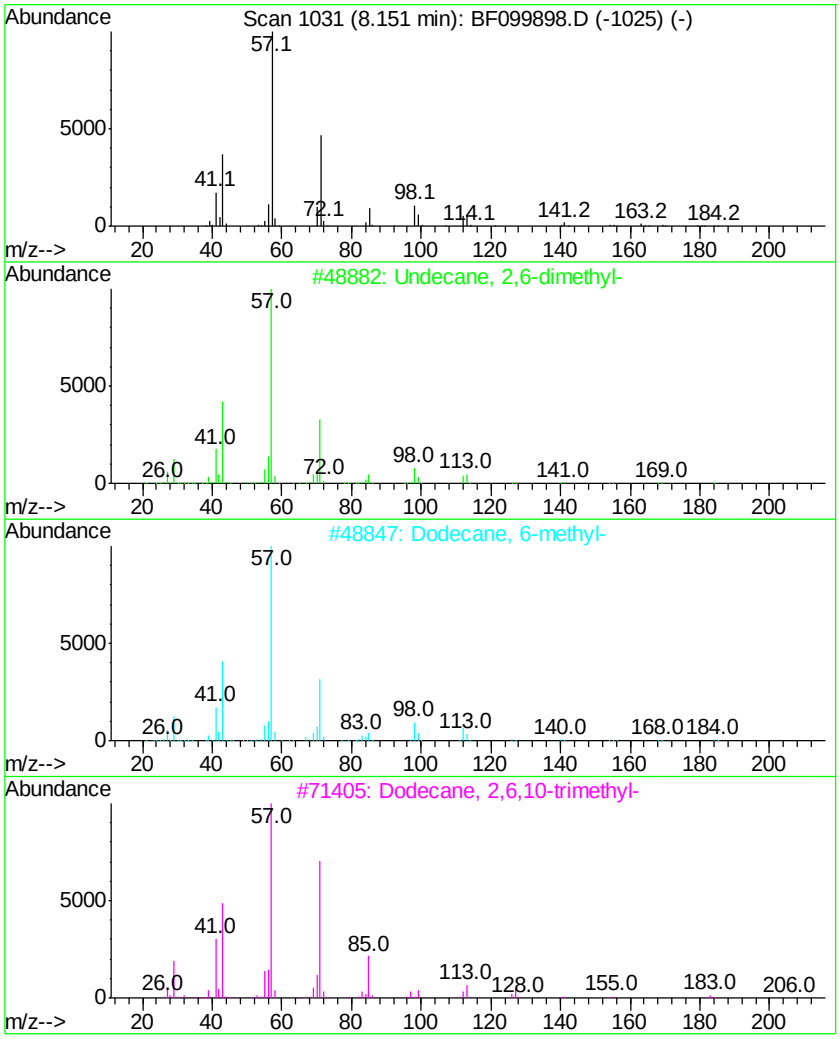
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

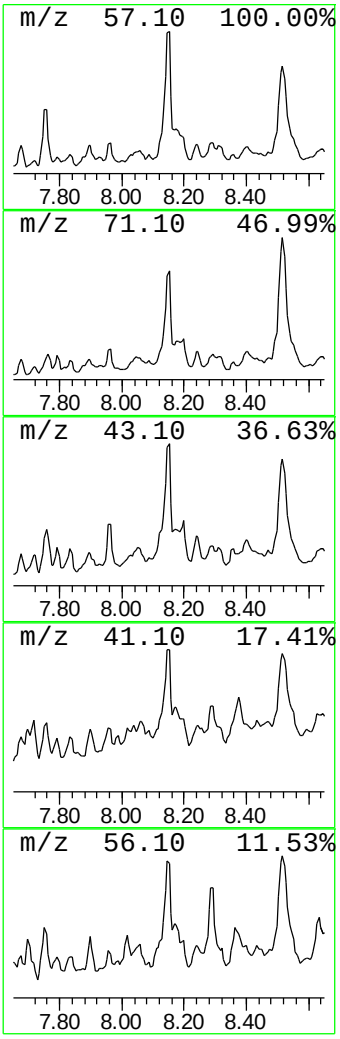
****

Peak Number 16 Undecane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	24.58 ng	3073650	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	76
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	68
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	64
5	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

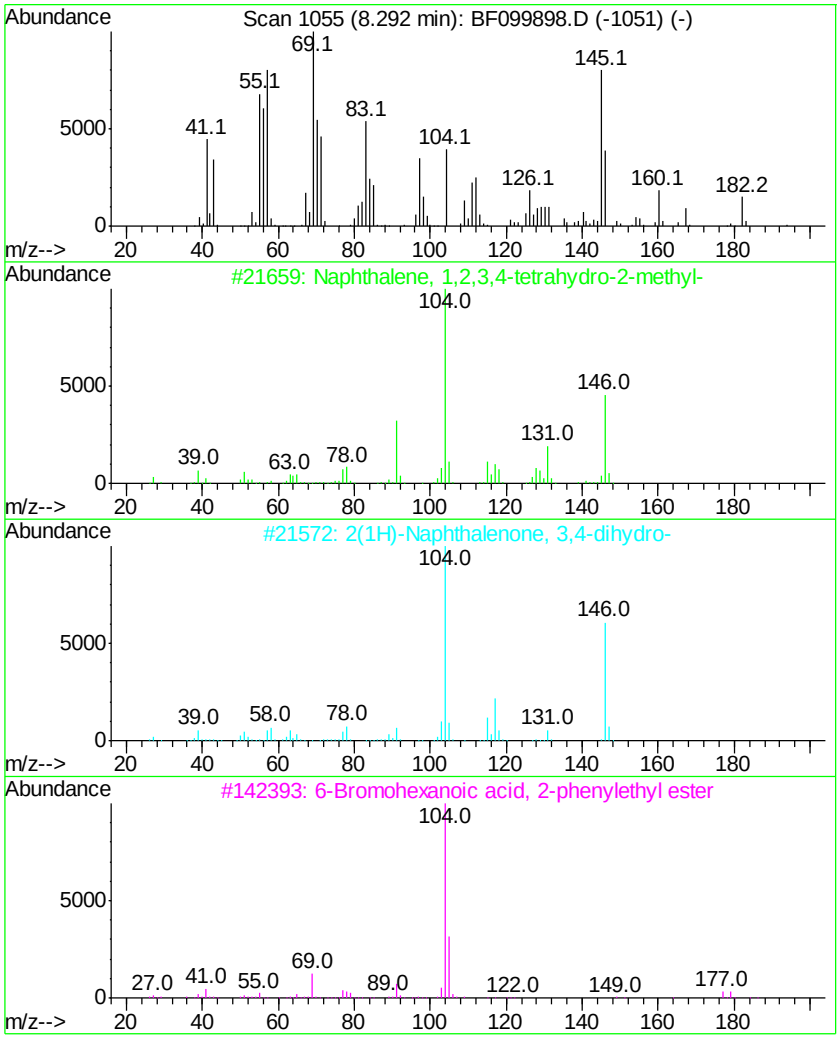
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

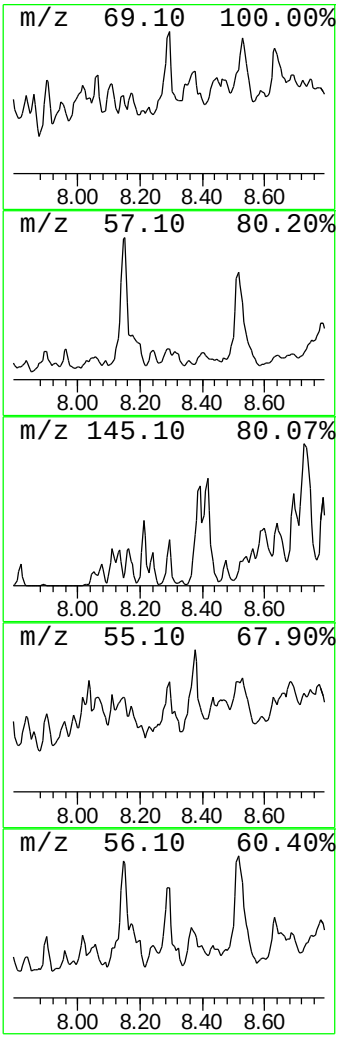
****

Peak Number 17 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	9.45 ng	1181440	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	58
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	46
3	6-Bromohexanoic acid, 2-phenylet...	298	C14H19BrO2	1000282-31-2	22
4	2-Butenoic acid, 3-methyl-, 2-ph...	204	C13H16O2	042078-65-9	22
5	Propanoic acid, 2-methyl-, 2-phe...	192	C12H16O2	000103-48-0	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

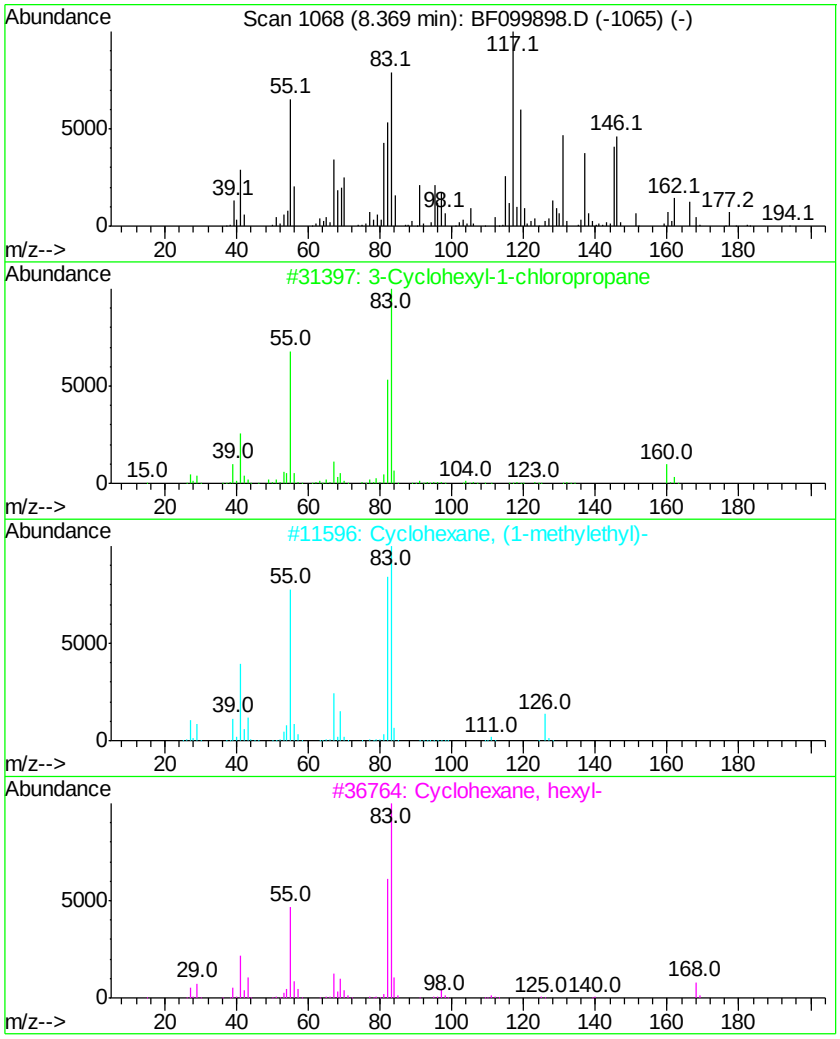
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

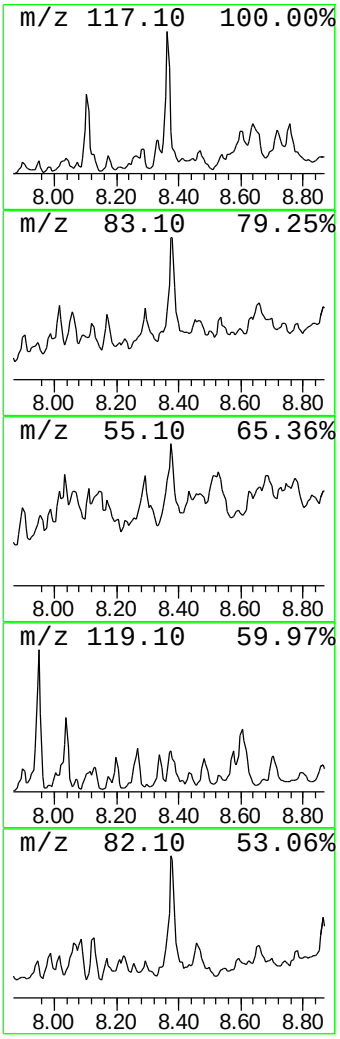
****

Peak Number 18 unknown8.37 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	12.21 ng	1526690	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	43
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	41
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	41
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	35
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

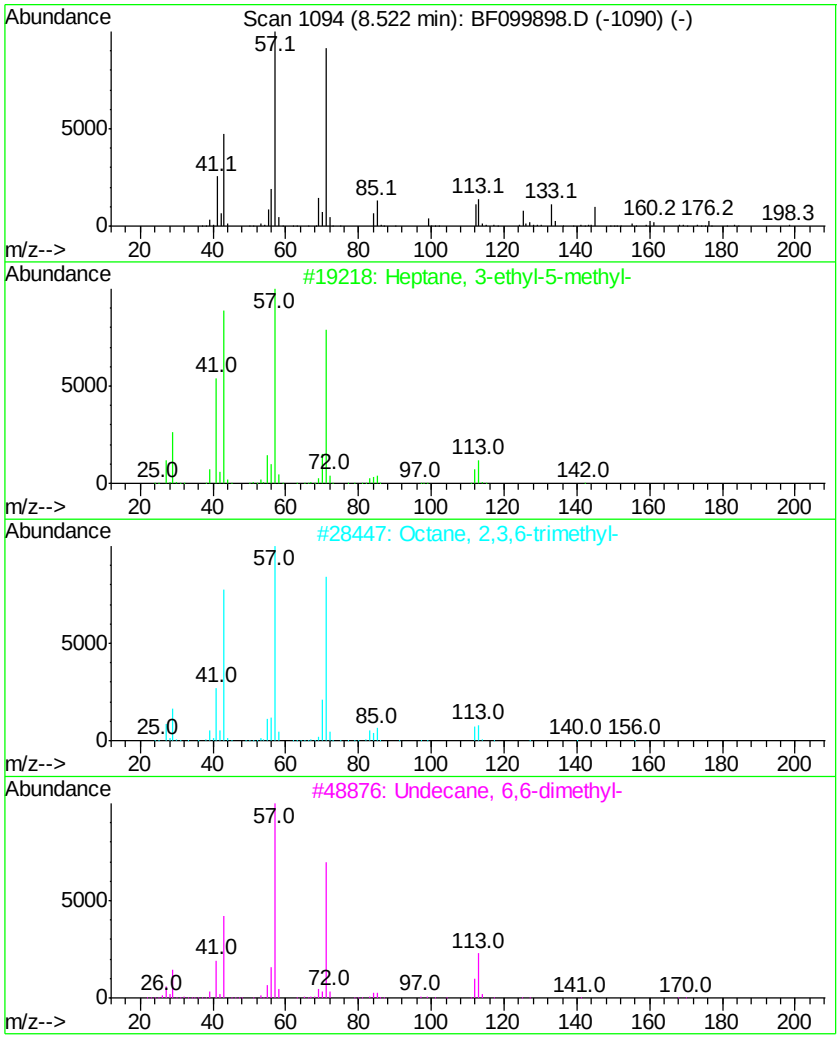
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

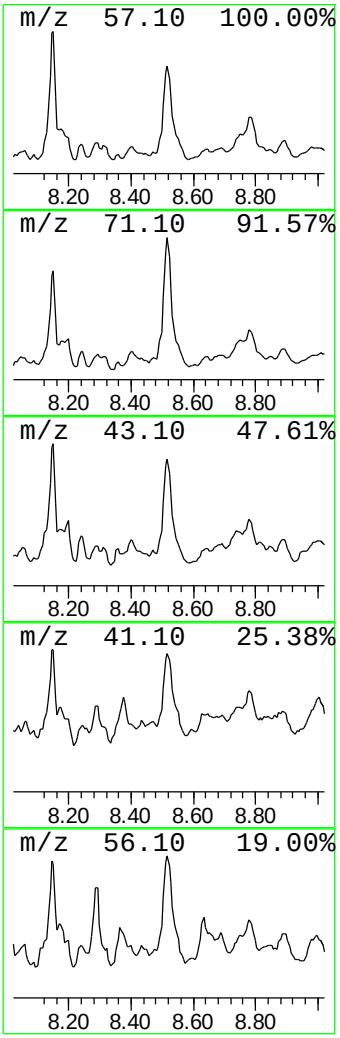
****

Peak Number 19 Heptane, 3-ethyl-5-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	16.30 ng	2038580	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	83
2	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	78
3	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
4	Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	72
5	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

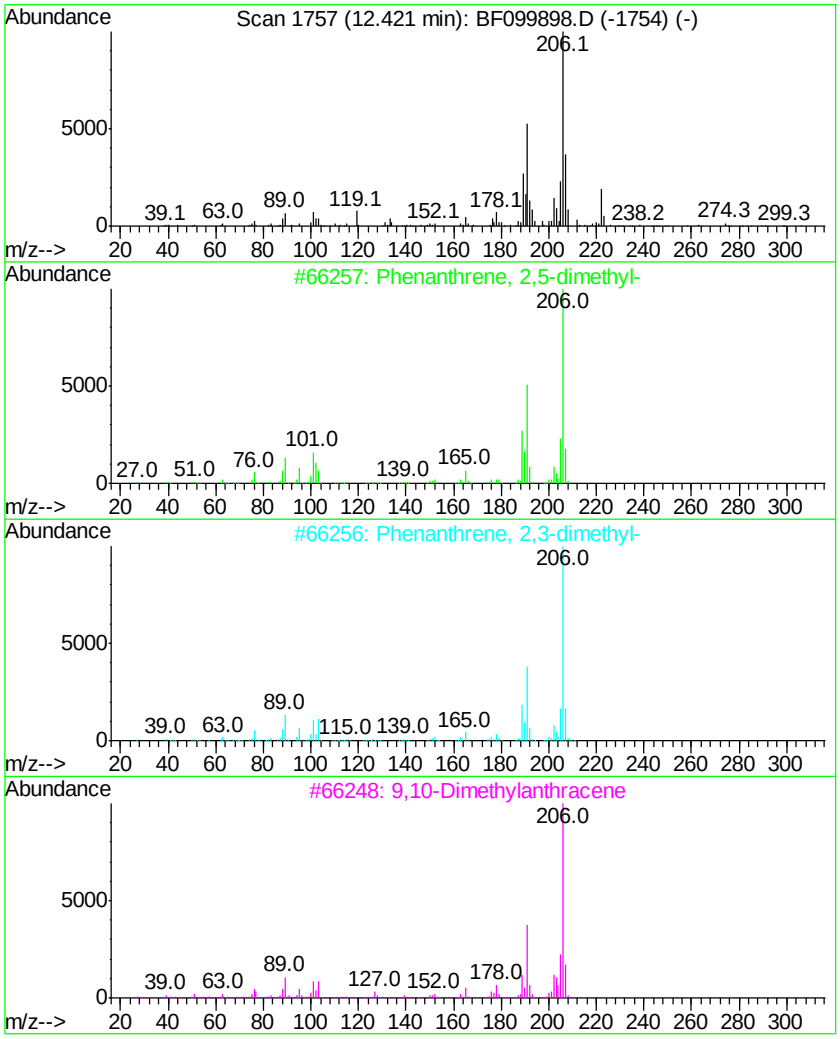
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

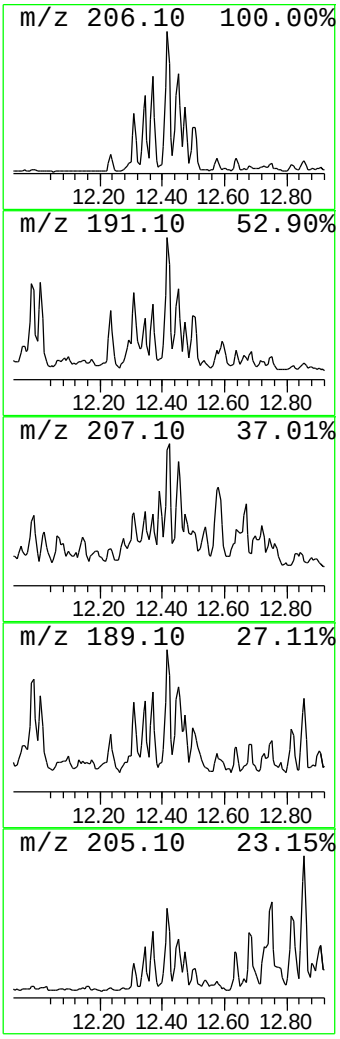
****

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	20.00 ng	462259	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102717\
Data File : BF099898.D
Acq On : 28 Oct 2017 1:59
Operator : SJ/JU
Sample : I6029-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(10-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.57	6.57	26.4	ng	1650360	1	6.80	1248310	20.0
unknown6.93	6.93	8.8	ng	547674	1	6.80	1248310	20.0
1-Octanol, 2-butyl-	7.06	21.3	ng	1326800	1	6.80	1248310	20.0
Naphthalene, deca...	7.19	10.9	ng	679844	1	6.80	1248310	20.0
unknown7.21	7.21	8.6	ng	538468	1	6.80	1248310	20.0
Benzene, 1-ethyl-...	7.43	26.3	ng	1643740	1	6.80	1248310	20.0
Tridecane	7.50	16.2	ng	2022320	2	8.09	2500820	20.0
Decane, 3,7-dimet...	7.57	8.9	ng	1108570	2	8.09	2500820	20.0
Naphthalene, deca...	7.72	8.3	ng	1035300	2	8.09	2500820	20.0
Heptane, 3-ethyl-...	7.76	7.5	ng	944036	2	8.09	2500820	20.0
Benzene, (1-methy...	7.82	8.4	ng	1048040	2	8.09	2500820	20.0
Benzene, 1,4-diet...	7.90	11.2	ng	1393830	2	8.09	2500820	20.0
Benzene, 1-methyl...	7.95	9.9	ng	1242500	2	8.09	2500820	20.0
Undecane, 2,6-dim...	8.15	24.6	ng	3073650	2	8.09	2500820	20.0
Naphthalene, 1,2,...	8.29	9.4	ng	1181440	2	8.09	2500820	20.0
unknown8.37	8.37	12.2	ng	1526690	2	8.09	2500820	20.0
Heptane, 3-ethyl-...	8.52	16.3	ng	2038580	2	8.09	2500820	20.0
Phenanthrene, 2,5...	12.42	20.0	ng	462259	4	11.37	462259	20.0