LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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	5.463	571	574	592	rBV	412446	575858	16.76%	1.827%
2	5.763	622	625	640	rBV	241019	270393	7.87%	0.858%
3	6.487	745	748	754	rBV	254018	435773	12.69%	1.383%
4	6.563	759	761	764	rVV	116967	115689	3.37%	0.367%
5	6.598	764	767	775	rVV	1334637	1378733	40.14%	4.374%
6	6.651	775	776	785	rVB3	25285	36698	1.07%	0.116%
7	6.810	800	803	812	rBV	467151	466226	13.57%	1.479%
8	6.881	812	815	826	rVB	40502	46124	1.34%	0.146%
9	6.969	826	830	852	rBV	3018080	3435043	100.00%	10.898%
10	7.239	869	876	883	rBV	71128	103294	3.01%	0.328%
11	7.386	896	901	918	rVB	1373215	1585322	46.15%	5.030%
12	7.522	919	924	930	rBV	75356	89603	2.61%	0.284%
13	7.622	937	941	953	rBV2	97596	176212	5.13%	0.559%
14	7.763	960	965	969	rBV	96114	121481	3.54%	0.385%
15	7.833	974	977	980	rVB	99298	79058	2.30%	0.251%
16	7.869	980	983	990	rBV3	96803	147009	4.28%	0.466%
17	8.004	1001	1006	1008	rBV2	101485	134317	3.91%	0.426%
18	8.033	1008	1011	1013	rVV	129564	123442	3.59%	0.392%
19	8.098	1017	1022	1023	rBV	571832	561805	16.36%	1.782%
20	8.116	1023	1025	1029	rVB	689065	642474	18.70%	2.038%
21	8.222	1040	1043	1048	rBV	56874	58337	1.70%	0.185%
22	8.269	1048	1051	1056	rBV	76598	111289	3.24%	0.353%
23	8.475	1083	1086	1091	rBV5	21376	36119	1.05%	0.115%
24	8.839	1144	1148	1152	rBV2	50419	65785	1.92%	0.209%
25	9.039	1178	1182	1189	rVB	129030	137345	4.00%	0.436%
26	9.169	1198	1204	1207	rBV	3546451	3138995	91.38%	9.959%
27	9.280	1218	1223	1227	rVB	207230	204947	5.97%	0.650%
28	9.563	1268	1271	1274	rBV	153163	130587	3.80%	0.414%
29	9.598	1274	1277	1280	rVB	110181	87756	2.55%	0.278%
30	9.733	1295	1300	1305	rBV2	32364	50090	1.46%	0.159%
31	9.845	1310	1319	1329	rVB2	707535	791706	23.05%	2.512%
32	10.145	1365	1370	1379	rVV	811035	1253272	36.48%	3.976%
33	10.239	1383	1386	1388	rVV	88055	88293	2.57%	0.280%
34	10.257	1388	1389	1395	rVV	73488	63809	1.86%	0.202%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.345	1399	1404	1407	rVB	328572	274062	7.98%	0.870%
36	10.427	1415	1418	1424	rBV3	58787	87676	2.55%	0.278%
37	10.645	1451	1455	1465	rBV	1384994	1357820	39.53%	4.308%
38	11.063	1523	1526	1534	rBV	22228	39853	1.16%	0.126%
39	11.133	1534	1538	1541	rVB	1380659	1085830	31.61%	3.445%
40	11.339	1569	1573	1581	rBV	856540	814086	23.70%	2.583%
41	11.486	1595	1598	1606	rVB	141094	118900	3.46%	0.377%
42	11.563	1607	1611	1615	rBV2	31532	44260	1.29%	0.140%
43	11.663	1625	1628	1639	rBV	275440	359767	10.47%	1.141%
44	11.780	1643	1648	1656	rBV2	98875	175809	5.12%	0.558%
45	11.863	1659	1662	1668	rBV2	172110	208380	6.07%	0.661%
46	11.939	1671	1675	1685	rBV	731716	831608	24.21%	2.638%
47	12.027	1685	1690	1695	rBV4	56259	68368	1.99%	0.217%
48	12.074	1695	1698	1702	rBV	292686	302863	8.82%	0.961%
49	12.157	1709	1712	1718	rVB2	34341	42518	1.24%	0.135%
50	12.304	1733	1737	1745	rBV	428617	501859	14.61%	1.592%
51	12.421	1752	1757	1760	rBV	2662389	2220082	64.63%	7.044%
52	12.557	1776	1780	1790	rVB3	32482	55580	1.62%	0.176%
53	12.639	1790	1794	1803	rBV3	50248	70765	2.06%	0.225%
54	12.710	1803	1806	1810	rVB	223907	184245	5.36%	0.585%
55	12.916	1836	1841	1844	rBV	2834452	2487969	72.43%	7.894%
56	13.751	1979	1983	1986	rBV	56237	64938	1.89%	0.206%
57	13.792	1986	1990	1998	rVB2	137916	189192	5.51%	0.600%
58	13.915	2008	2011	2016	rBV	90241	81611	2.38%	0.259%
59	13.980	2018	2022	2028	rVV	462424	473213	13.78%	1.501%
60	14.039	2028	2032	2036	rVV	996947	827529	24.09%	2.625%
61	14.104	2040	2043	2048	rVB	34069	36138	1.05%	0.115%
62	14.410	2091	2095	2098	rBV	69714	66260	1.93%	0.210%
63	14.704	2142	2145	2150	rVB	71836	78170	2.28%	0.248%
64	15.033	2198	2201	2205	rVB	72662	76710	2.23%	0.243%
65	15.404	2260	2264	2267	rVV	57225	67445	1.96%	0.214%
66	15.451	2267	2272	2282	rVB2	241584	368086	10.72%	1.168%
67	15.586	2290	2295	2300	rBV	294058	386433	11.25%	1.226%
68	15.821	2330	2335	2341	rVB	50720	75422	2.20%	0.239%
69	16.309	2412	2418	2422	rBV3	27774	44526	1.30%	0.141%
70	17.356	2589	2596	2600	rVB7	17024	35734	1.04%	0.113%
71	18.133	2713	2728	2739	rBV5	46247	244317	7.11%	0.775%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.250	2739	2748	2758	rVB2	116906	328162	9.55%	1.041%

Sum of corrected areas: 31519070

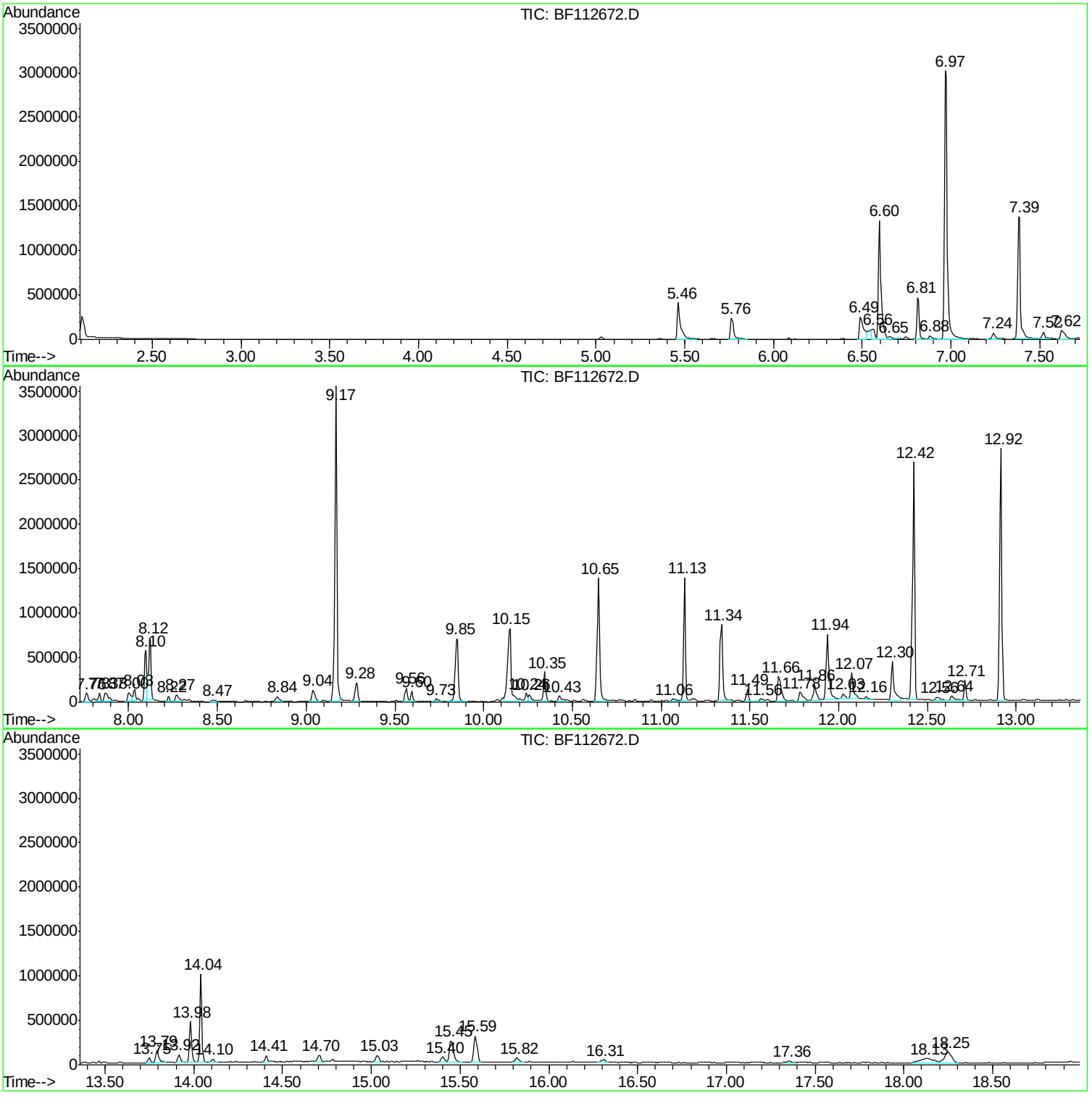
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

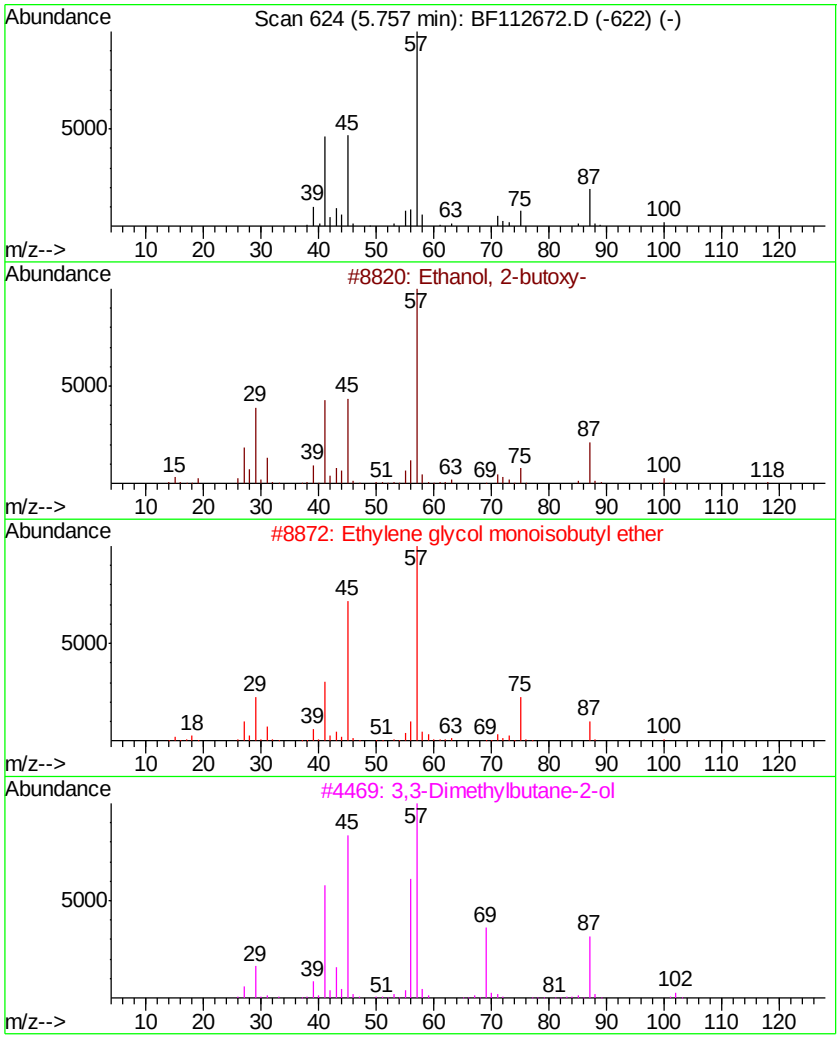
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

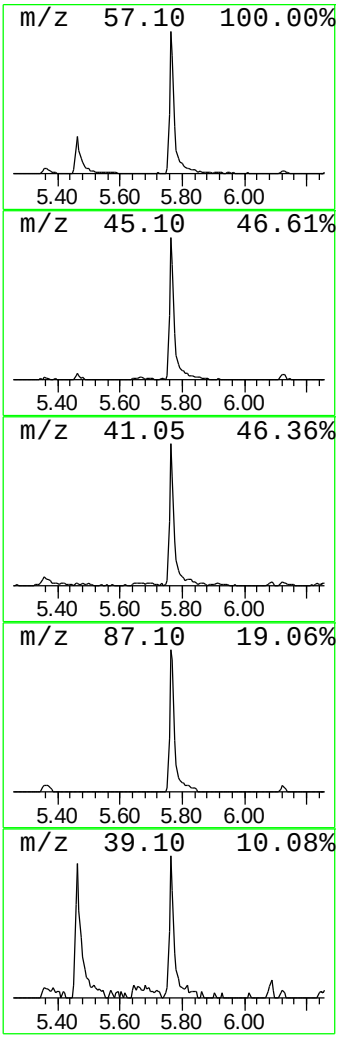
****

Peak Number 1 Ethanol, 2-butoxy- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	11.60 ng	270393	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
2	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	42
3	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	28
4	Formic acid, 3,3-dimethylbut-2-y...	130	C7H14O2	1000368-20-5	23
5	n-Butyl ether	130	C8H18O	000142-96-1	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

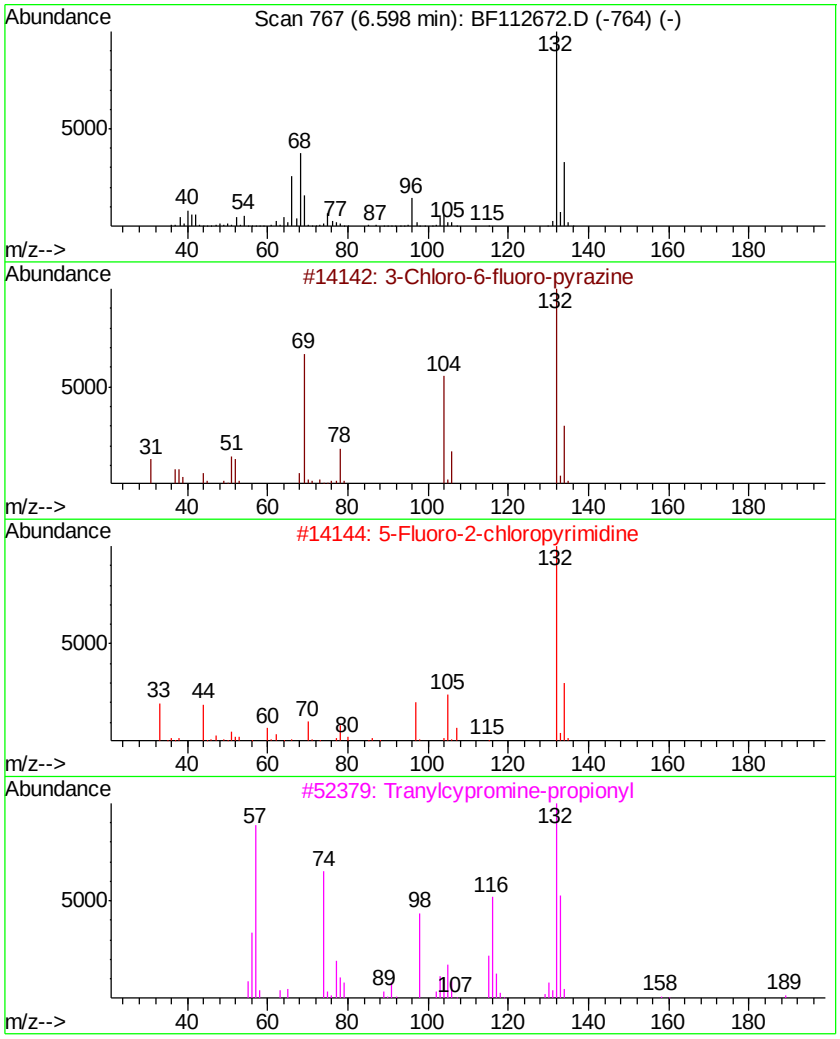
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

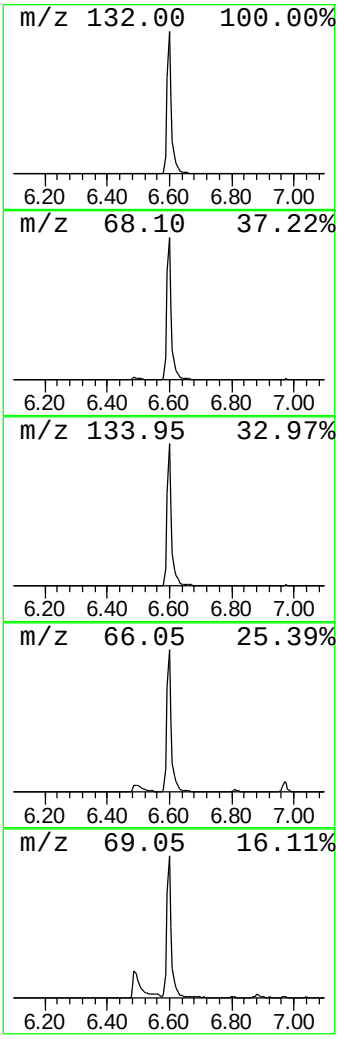
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	59.14 ng	1378730	1,4-Dichlorobenzene-d4	6.82

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	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

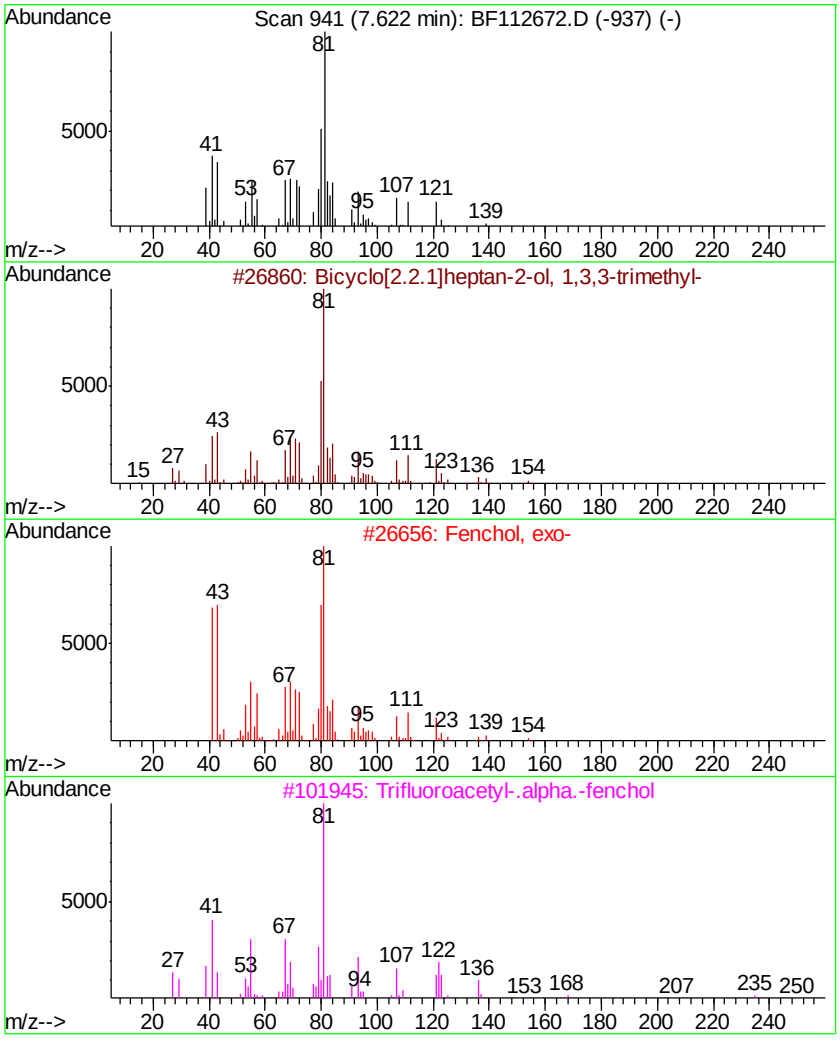
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

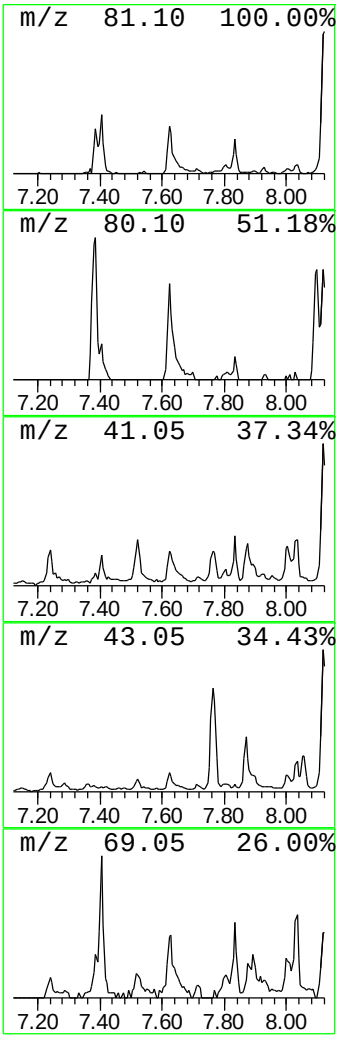
****

Peak Number 3 Bicyclo[2.2.1]heptan-2-ol, ... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	6.27 ng	176212	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	001632-73-1	74
2	Fenchol, exo-	154	C10H18O	022627-95-8	58
3	Trifluoroacetyl-.alpha.-fenchol	250	C12H17F3O2	031076-73-0	43
4	Bi-2-cyclohexen-1-yl	162	C12H18	001541-20-4	43
5	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

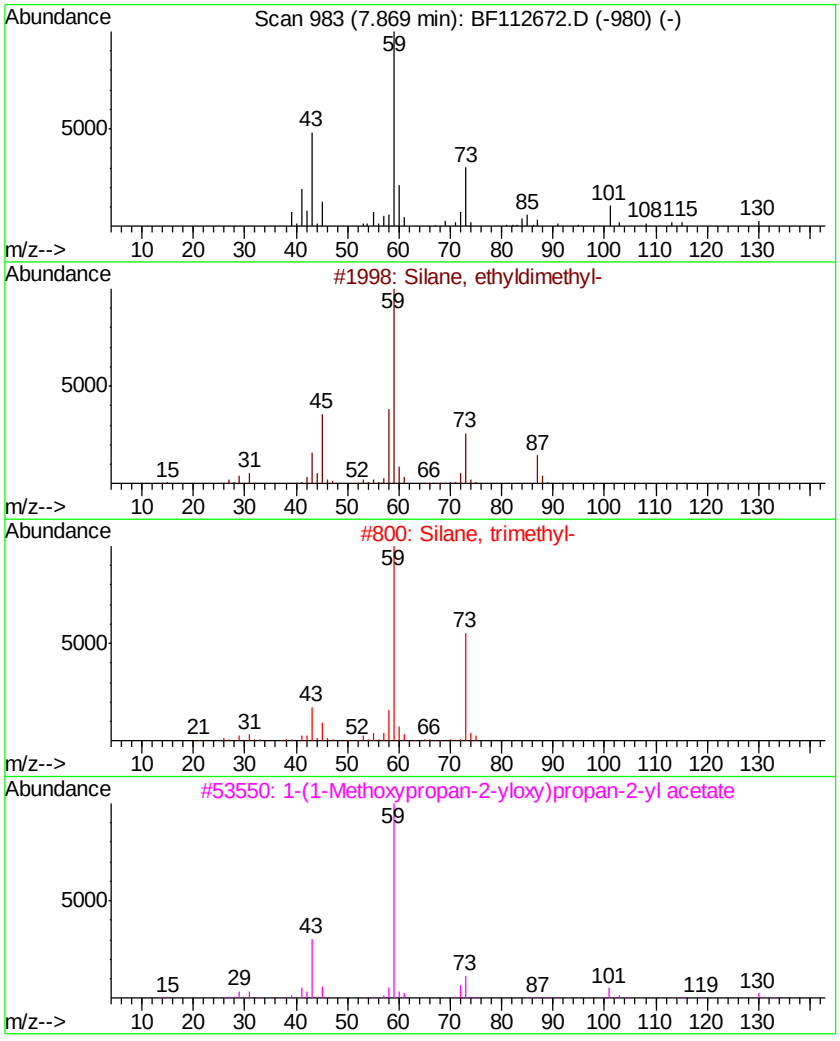
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

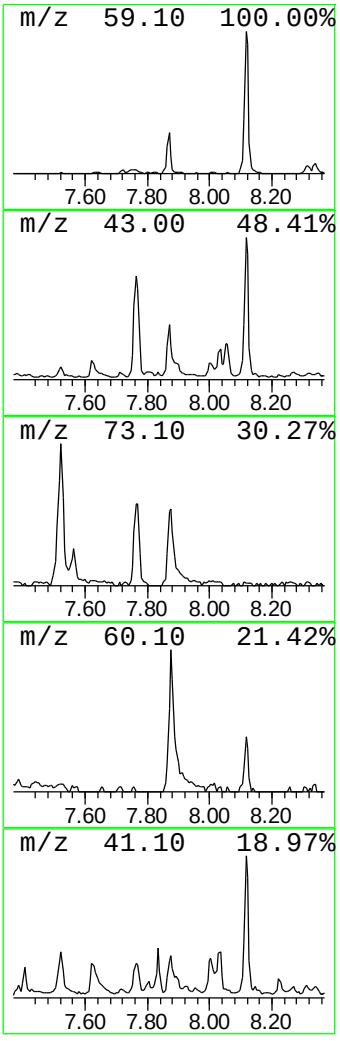
****

Peak Number 4 Silane, ethyldimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	5.23 ng	147009	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, ethyldimethyl-	88	C4H12Si	000758-21-4	59
2	Silane, trimethyl-	74	C3H10Si	000993-07-7	53
3	1-(1-Methoxypropan-2-yloxy)propa...	190	C9H18O4	1000367-08-6	42
4	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	38
5	Silane, diethyldimethyl-	116	C6H16Si	000756-81-0	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

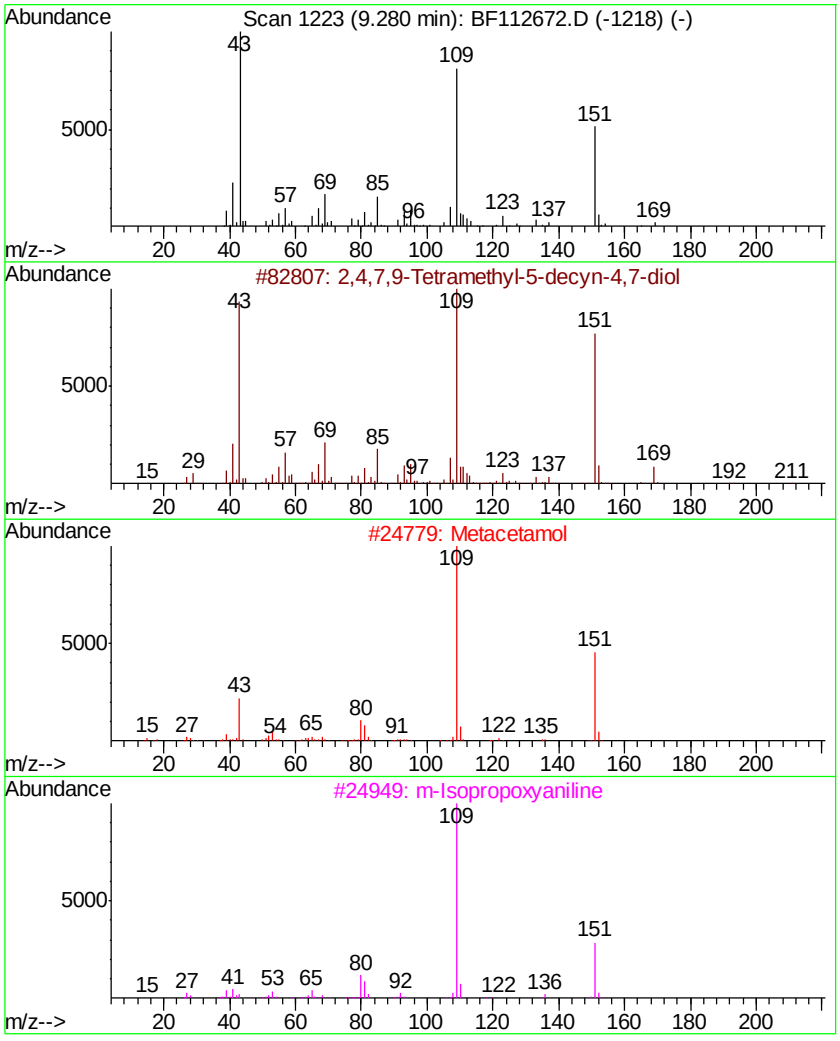
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

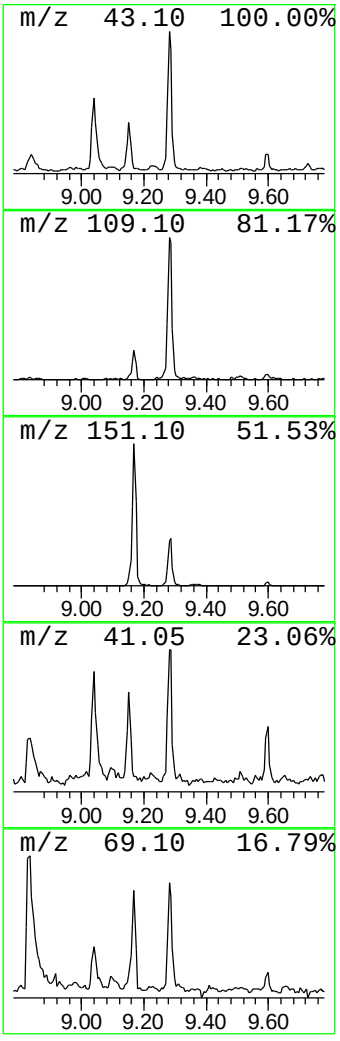
****

Peak Number 5 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	5.18 ng	204947	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	Metacetamol	151	C8H9NO2	000621-42-1	64
3	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	59
4	Benzene, 1-(bromomethyl)-4-fluoro-	188	C7H6BrF	000459-46-1	43
5	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

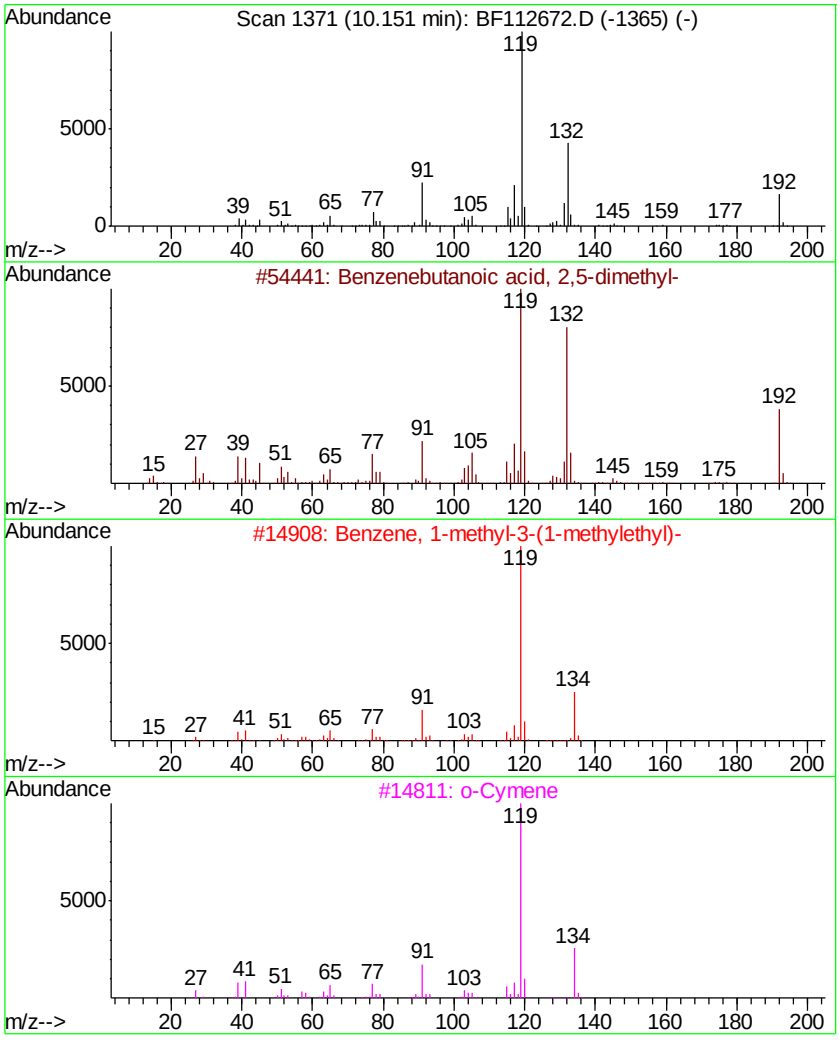
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

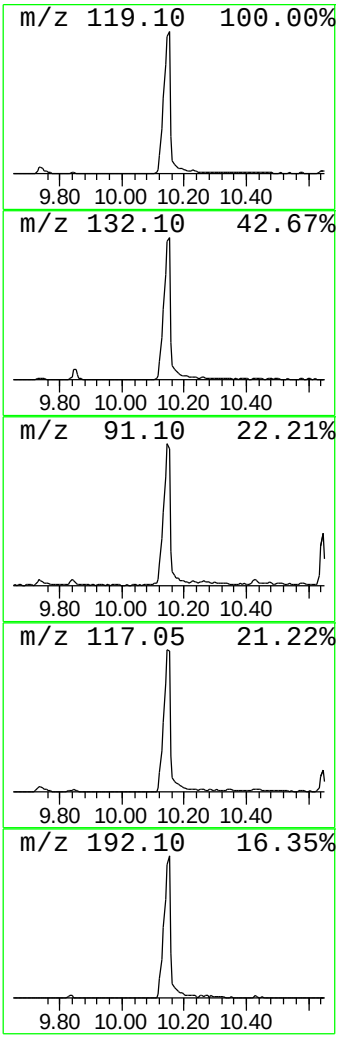
****

Peak Number 6 Benzenebutanoic acid, 2,5-d... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	31.66 ng	1253270	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenebutanoic acid, 2,5-dimethyl-	192	C12H16O2	001453-06-1	64
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46
3	o-Cymene	134	C10H14	000527-84-4	46
4	p-Cymene	134	C10H14	000099-87-6	46
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

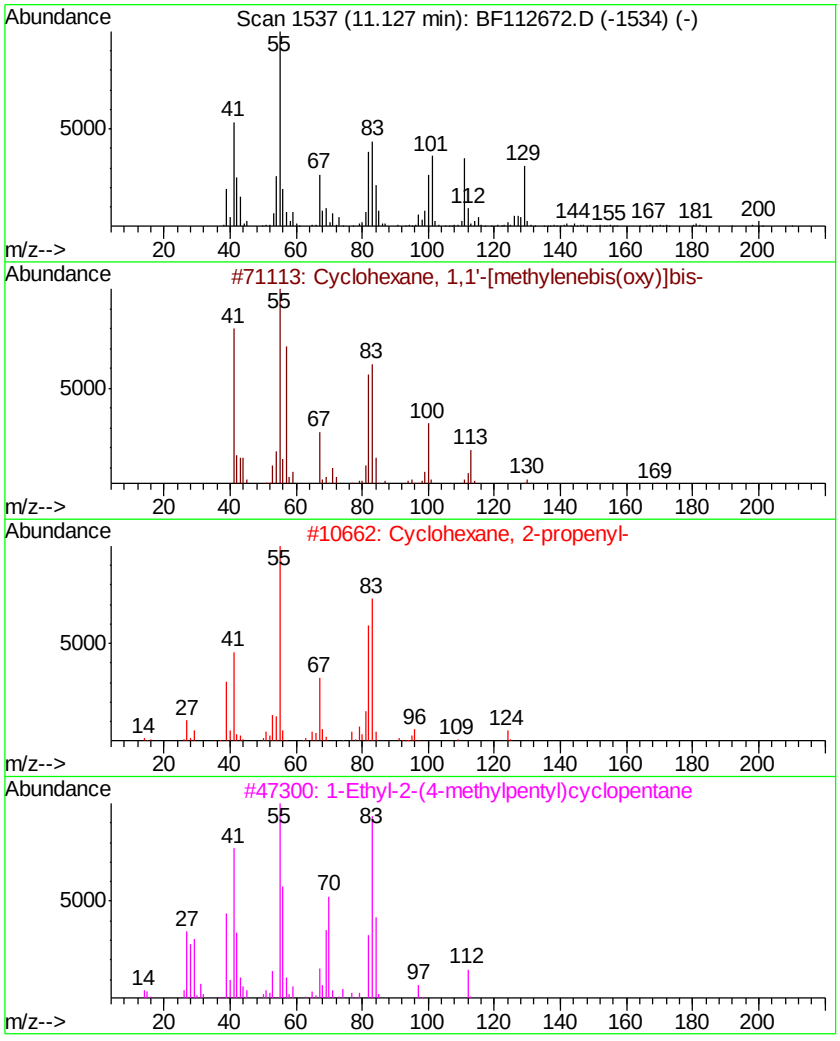
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

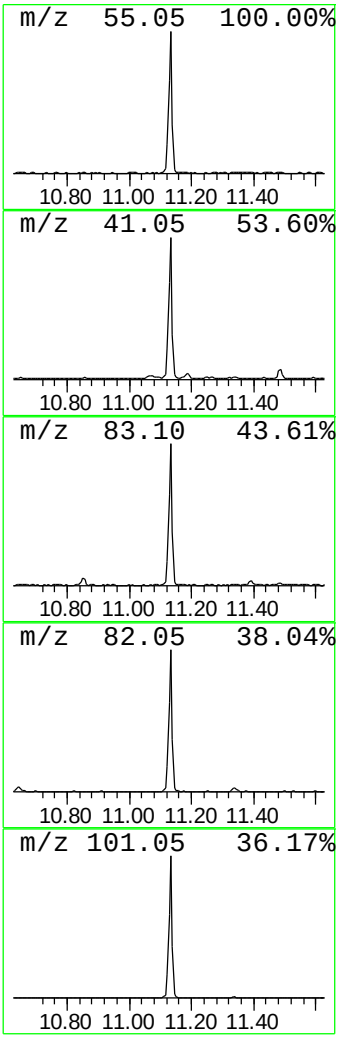
****

Peak Number 8 unknown11.13 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	26.68 ng	1085830	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1'-[methylenebis(...	212	C13H24O2	001453-21-0	32
2	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	22
3	1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	22
4	1-Azabicyclo[3.1.0]hexane	83	C5H9N	000285-76-7	18
5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

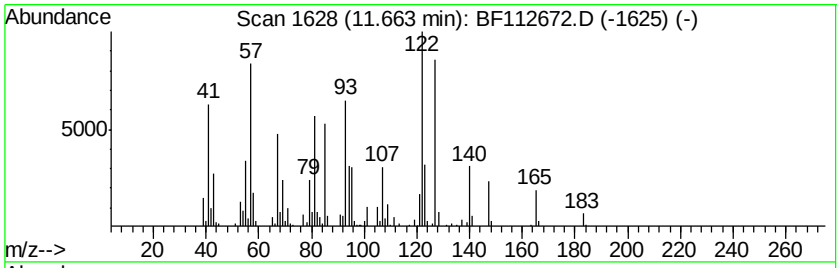
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

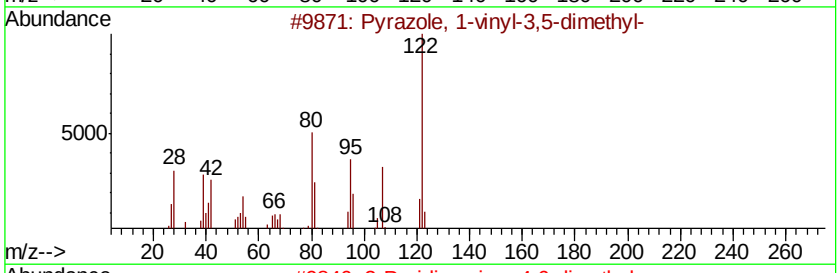
****

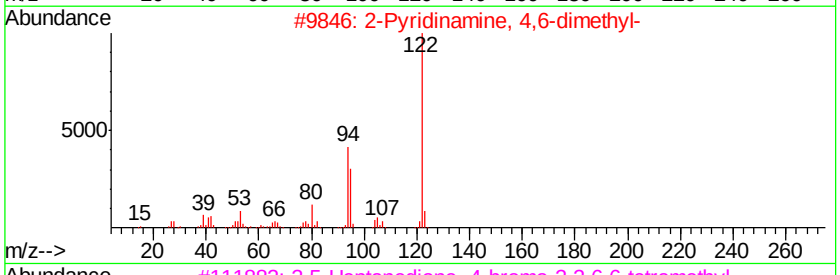
Peak Number 9 unknown11.66 Concentration Rank 12

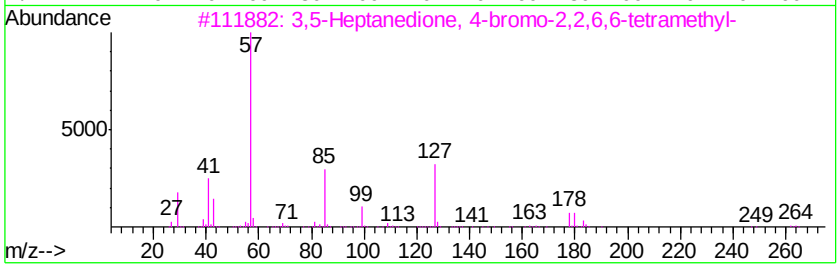
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	8.84 ng	359767	Phenanthrene-d10	11.34

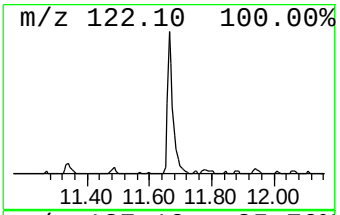
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazole, 1-vinyl-3,5-dimethyl-	122	C7H10N2	015967-75-6	27
2	2-Pyridinamine, 4,6-dimethyl-	122	C7H10N2	005407-87-4	25
3	3,5-Heptanedione, 4-bromo-2,2,6,...	262	C11H19BrO2	039516-78-4	22
4	Borazine, 2,4,6-trimethyl-	123	C3H12B3N3	005314-85-2	14
5	Propane-1,2,3-triol, 1-(4-aminop...	183	C9H13NO3	1000303-72-4	14

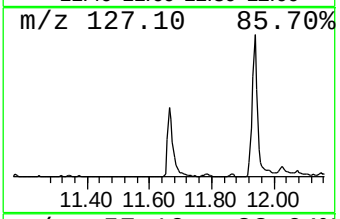


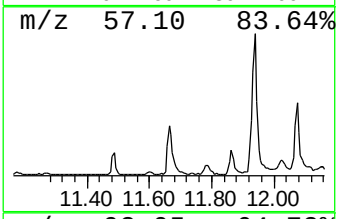


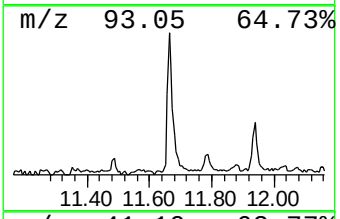


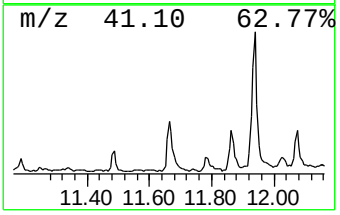












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

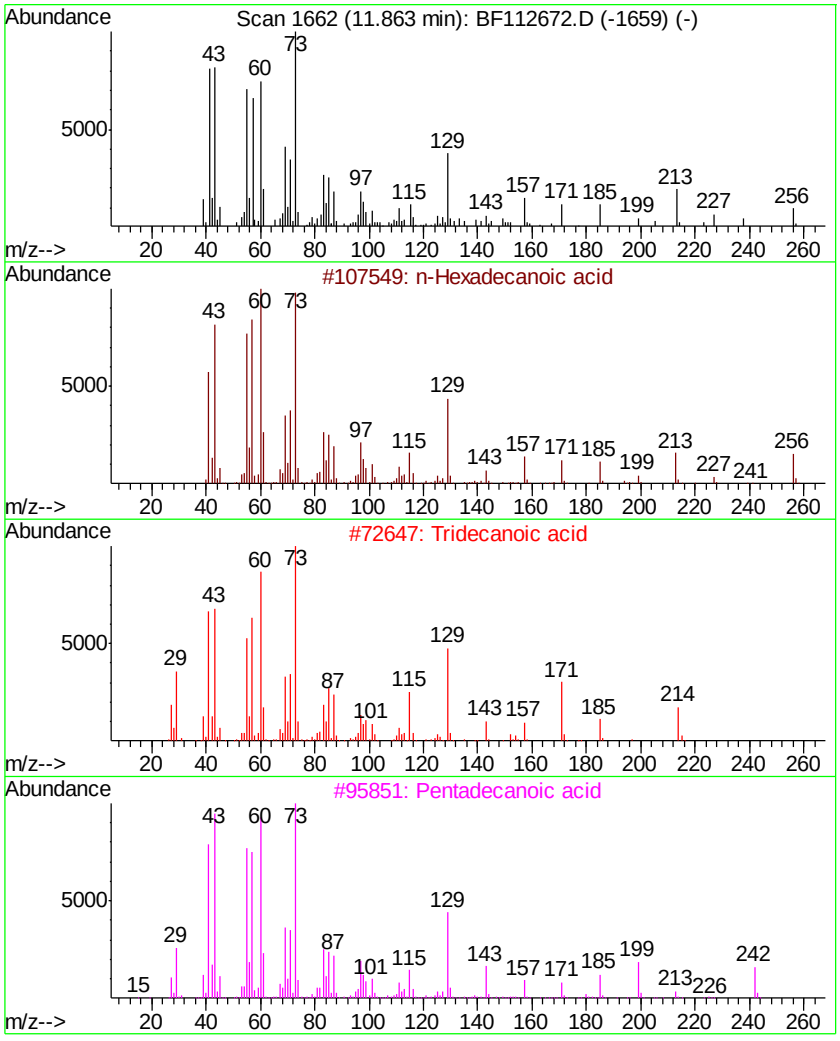
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

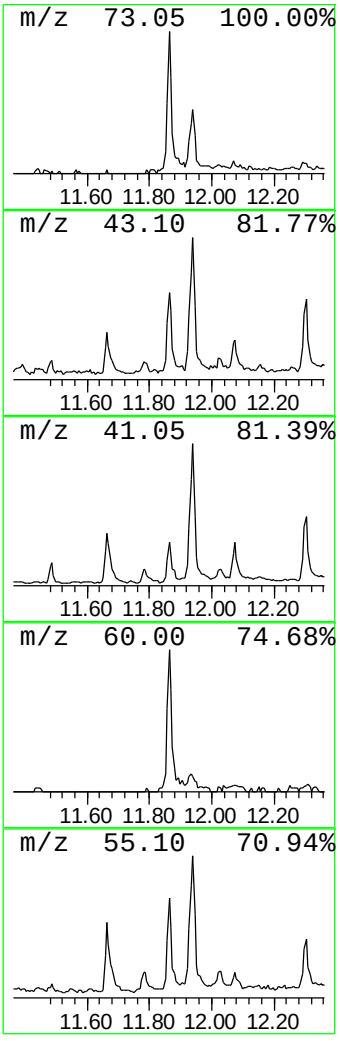
****

Peak Number 10 n-Hexadecanoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.12 ng	208380	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Dodecanoic acid	200	C12H24O2	000143-07-7	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

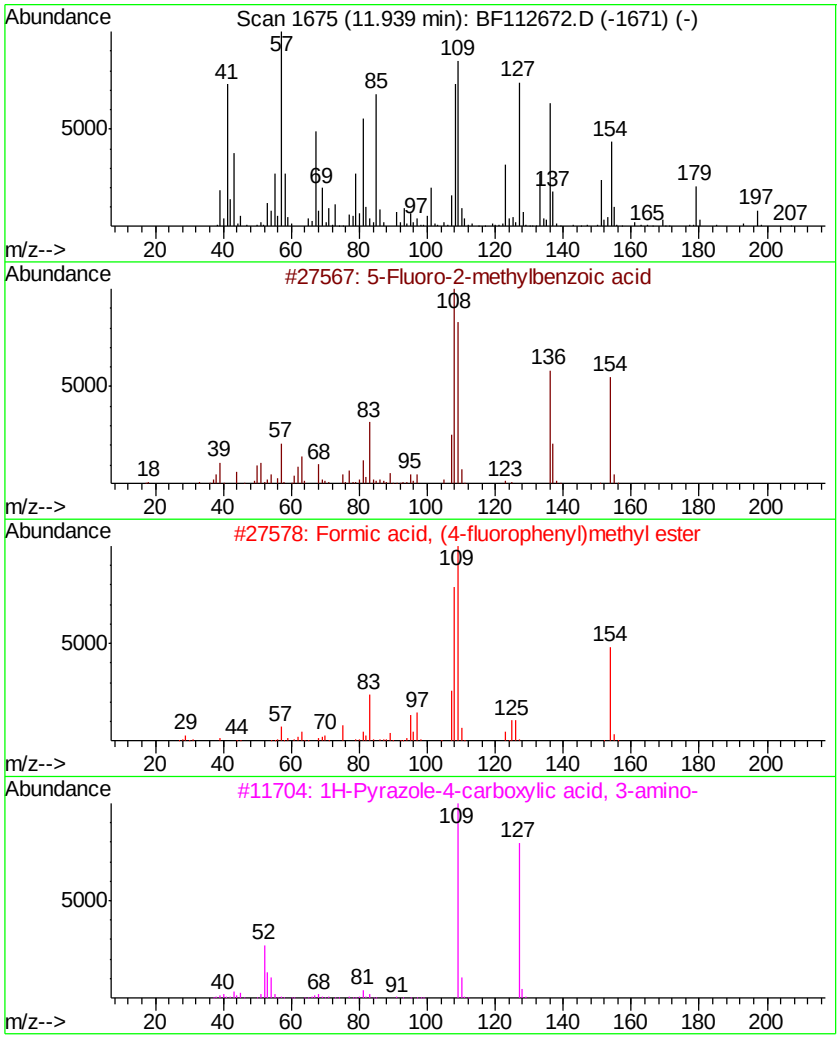
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

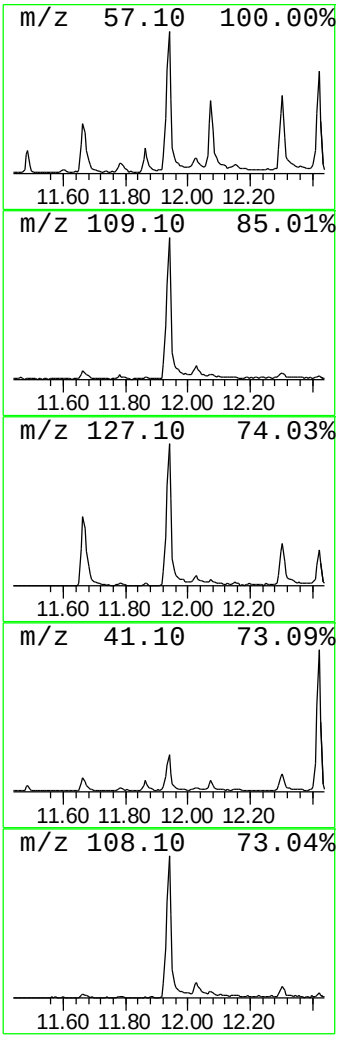
****

Peak Number 11 unknown11.94 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	20.43 ng	831608	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-methylbenzoic acid	154	C8H7FO2	033184-16-6	30
2	Formic acid, (4-fluorophenyl)met...	154	C8H7FO2	1000368-72-9	30
3	1H-Pyrazole-4-carboxylic acid, 3...	127	C4H5N3O2	041680-34-6	30
4	1H-Pyrrole-2-carboxaldehyde, 1-m...	109	C6H7NO	001192-58-1	14
5	(4-Fluorophenyl) methanol, ethyl...	154	C9H11FO	1000374-63-4	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

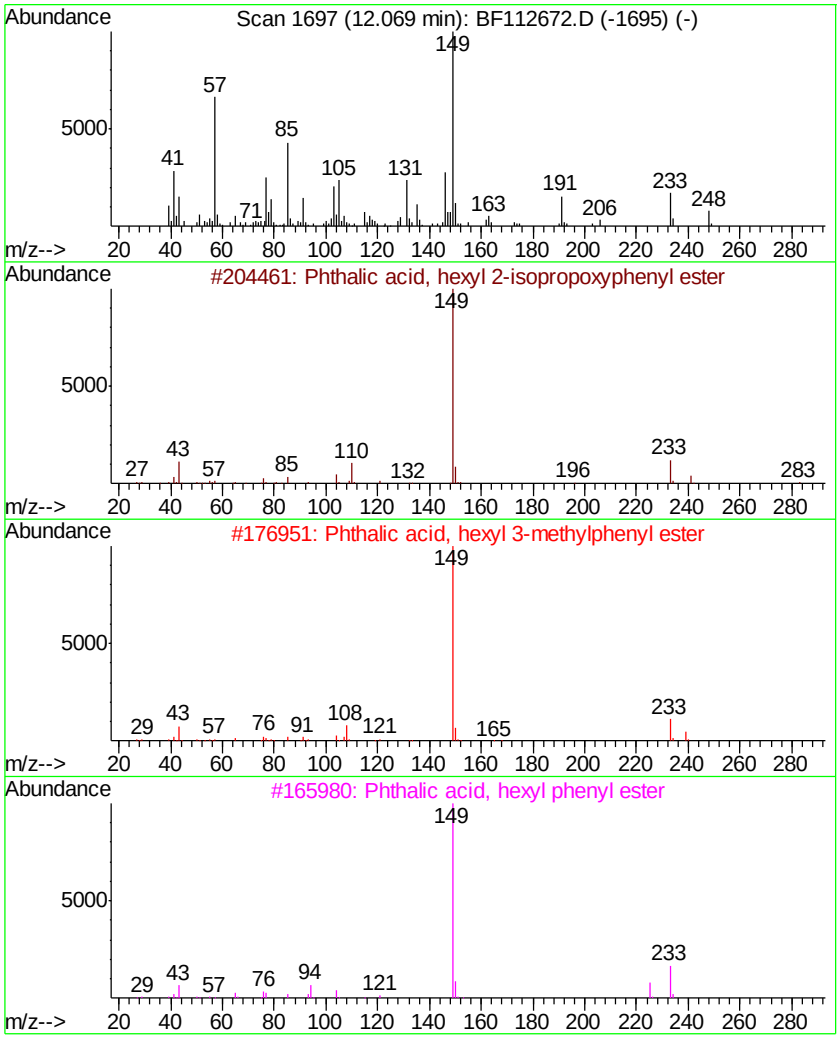
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

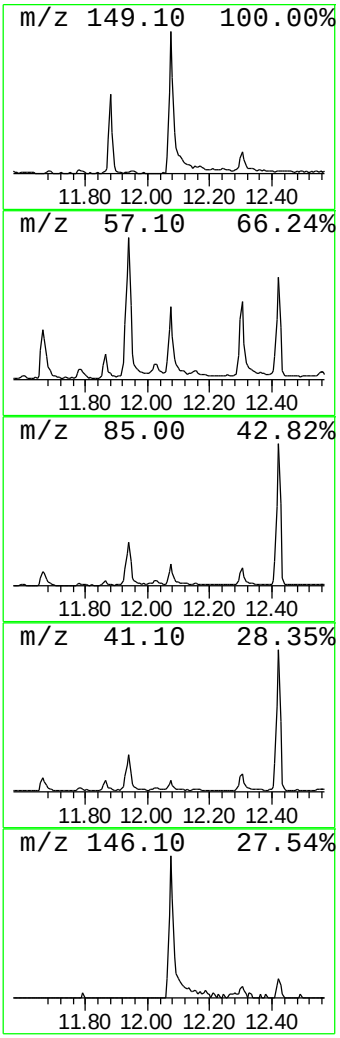
****

Peak Number 12 unknown12.07 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	7.44 ng	302863	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, hexyl 2-isopropox...	384	C23H28O5	1000309-83-3	38
2	Phthalic acid, hexyl 3-methylphe...	340	C21H24O4	1000315-36-9	38
3	Phthalic acid, hexyl phenyl ester	326	C20H22O4	1000314-87-2	38
4	Phthalic acid, hept-3-yl propyl ...	306	C18H26O4	1000356-98-5	35
5	Phthalic acid, isohexyl tridec-2...	428	C27H40O4	1000315-44-4	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

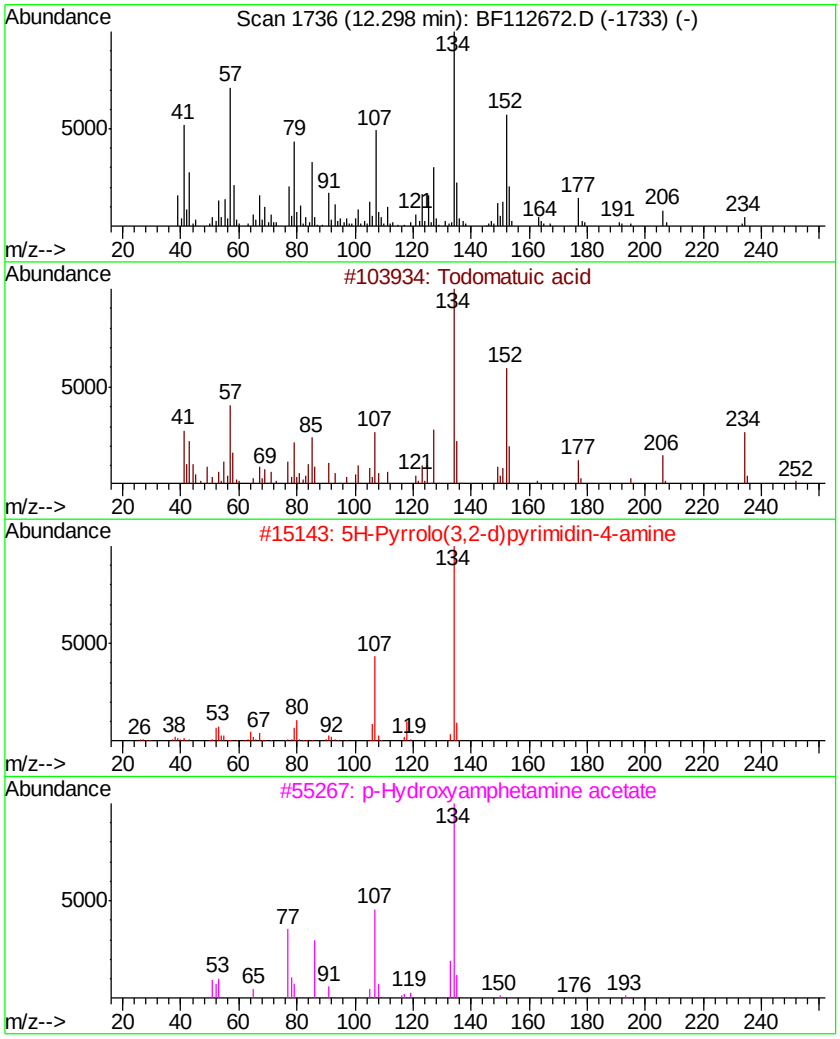
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

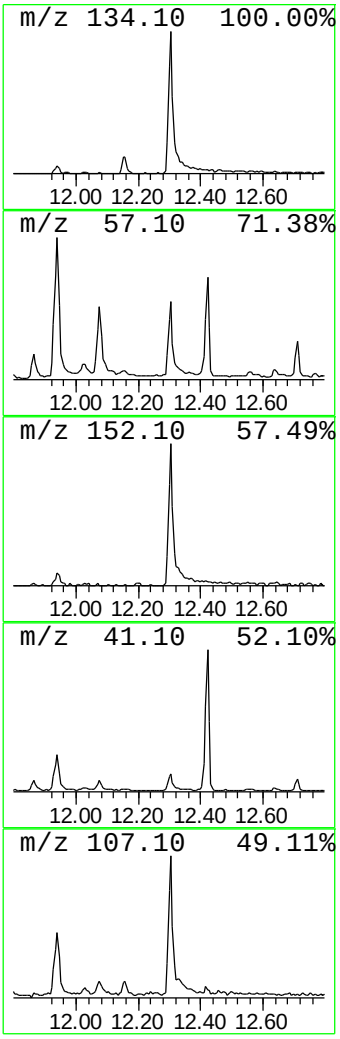
****

Peak Number 13 Todomatuic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	12.33 ng	501859	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Todomatuic acid	252	C15H24O3	017844-07-4	72
2	5H-Pyrrolo(3,2-d)pyrimidin-4-amine	134	C6H6N4	002227-98-7	35
3	p-Hydroxyamphetamine acetate	193	C11H15NO2	096750-10-6	27
4	2-Benzoxazolamine	134	C7H6N2O	004570-41-6	27
5	5H-Furo[2,3-c]pyran-3-carbonitri...	192	C10H12N2O2	136178-59-1	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

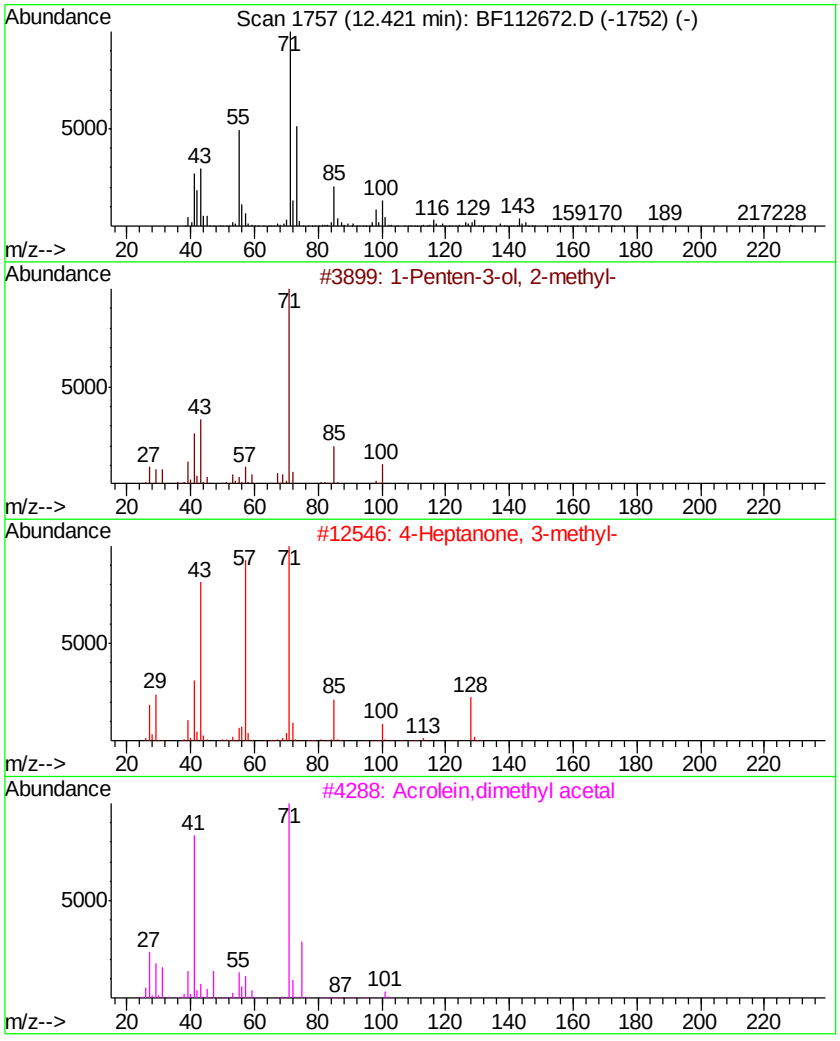
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

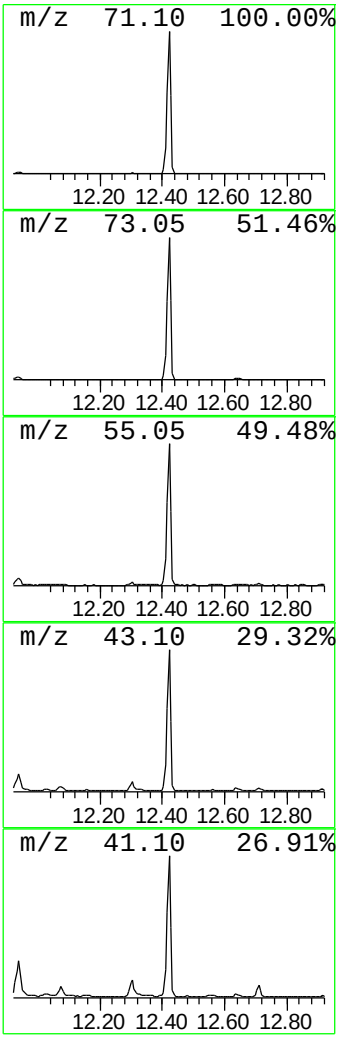
****

Peak Number 14 1-Penten-3-ol, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	54.54 ng	2220080	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	64
2	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	50
3	Acrolein,dimethyl acetal	102	C5H10O2	006044-68-4	50
4	Methylamine, N-(1-methylhexylide...	127	C8H17N	022058-71-5	43
5	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	40





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

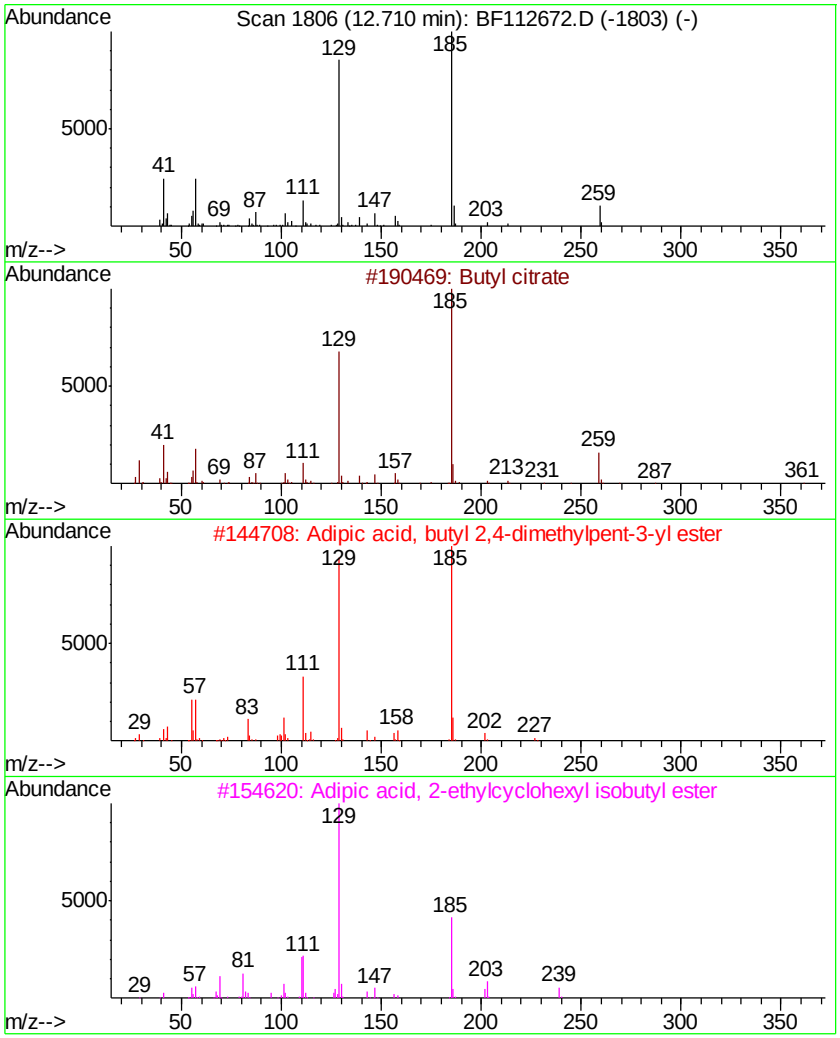
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

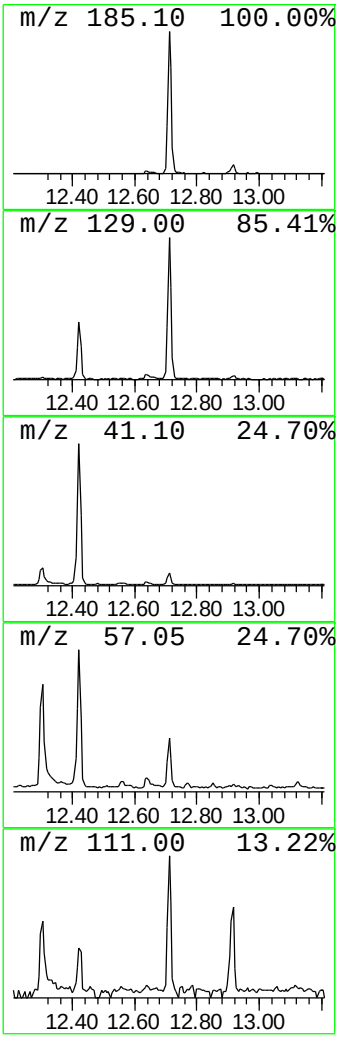
****

Peak Number 15 Butyl citrate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	7.79 ng	184245	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl citrate	360	C18H32O7	000077-94-1	91
2	Adipic acid, butyl 2,4-dimethylp...	300	C17H32O4	1000349-77-7	56
3	Adipic acid, 2-ethylcyclohexyl i...	312	C18H32O4	1000324-22-5	56
4	Adipic acid, 3,3-dimethylbut-2-y...	286	C16H30O4	1000353-66-7	56
5	Adipic acid, 4-heptyl isobutyl e...	300	C17H32O4	1000349-73-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

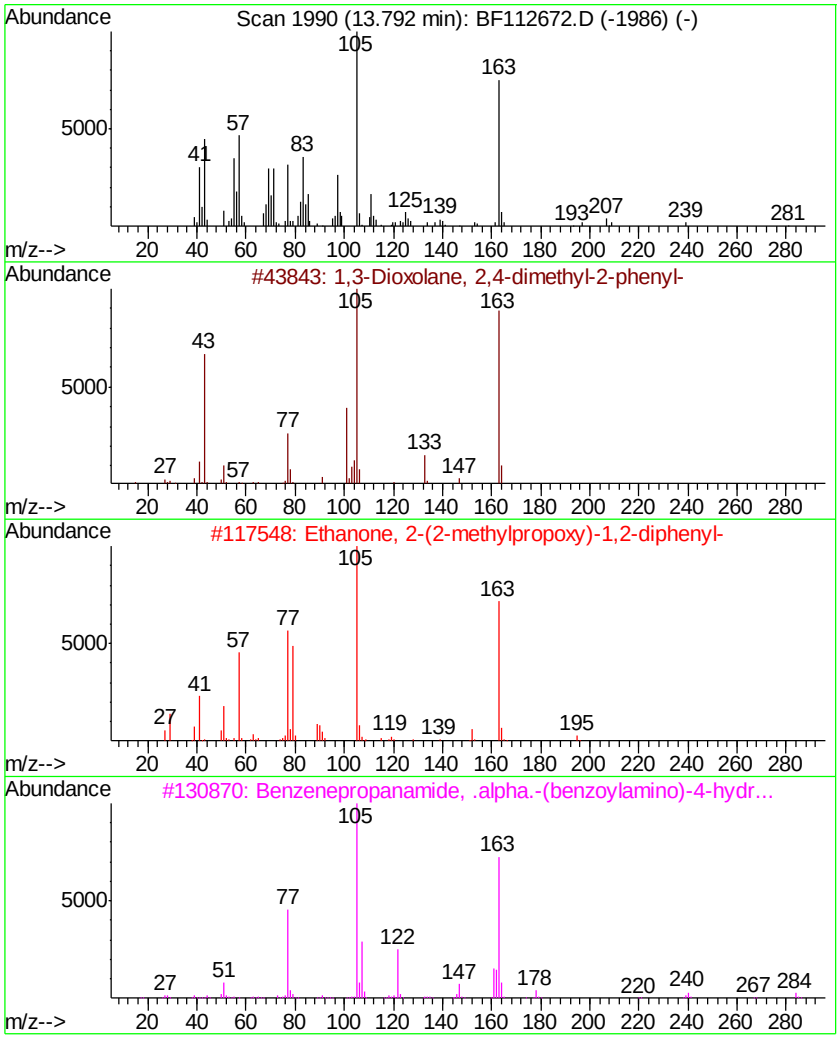
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

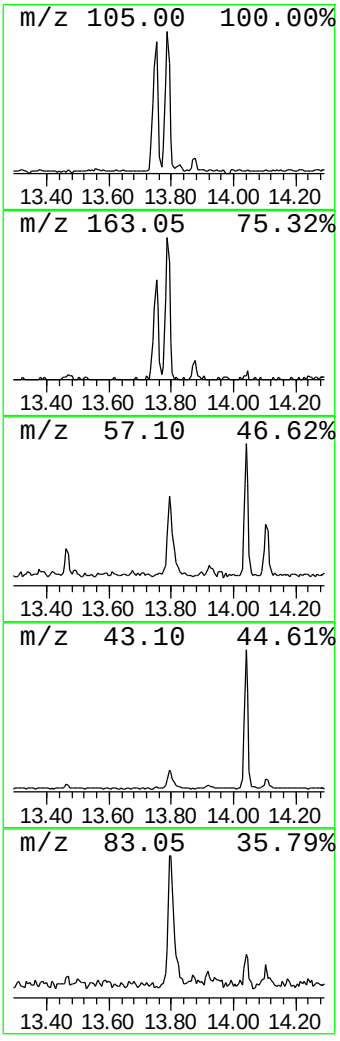
****

Peak Number 16 unknown13.79 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	8.00 ng	189192	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2,4-dimethyl-2-ph...	178	C11H14O2	004359-30-2	43
2	Ethanone, 2-(2-methylpropoxy)-1,...	268	C18H20O2	022499-12-3	43
3	Benzenepropanamide, .alpha.-(ben...	284	C16H16N2O3	058690-81-6	37
4	1-Propanol, 2-[2-(benzoyloxy)pro...	342	C20H22O5	020109-39-1	37
5	Glyoxylamide, N-phenyl-	163	C9H9NO2	032331-52-5	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

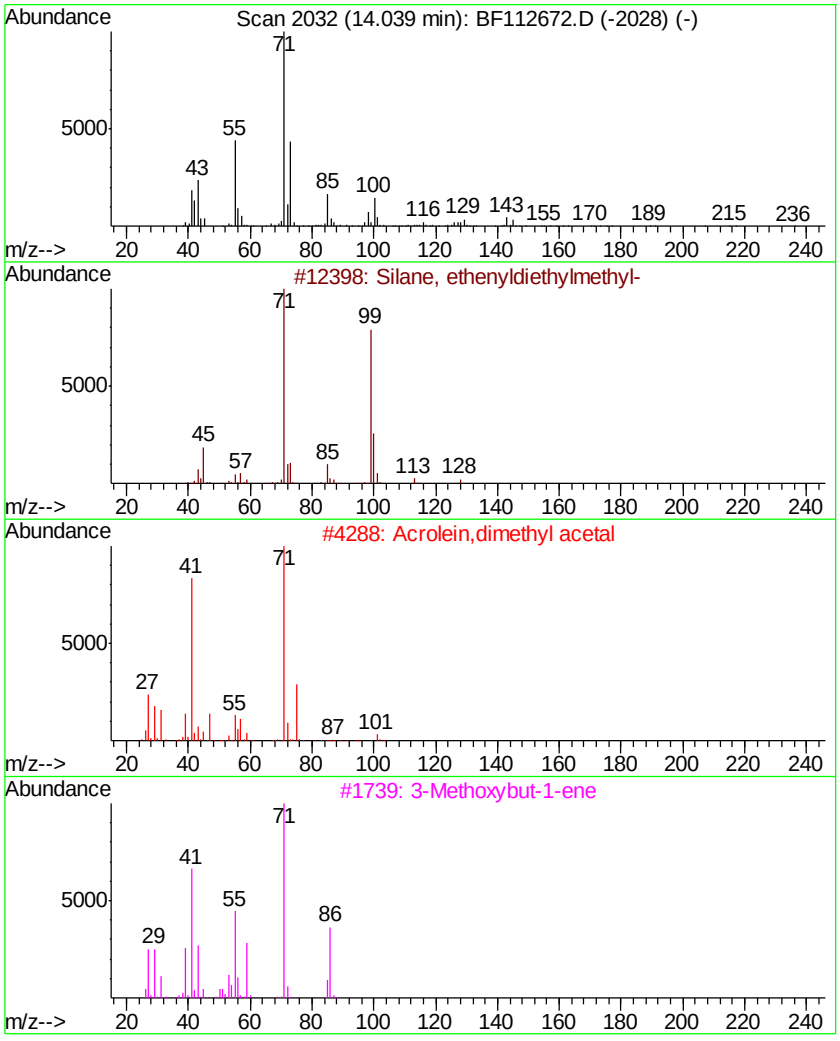
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

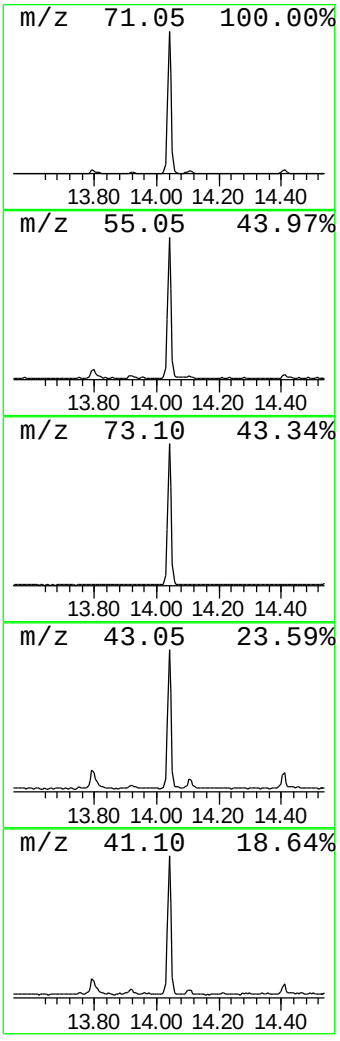
****

Peak Number 17 Silane, ethenyldiethylmethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	34.97 ng	827529	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, ethenyldiethylmethyl-	128	C7H16Si	018292-29-0	64
2	Acrolein,dimethyl acetal	102	C5H10O2	006044-68-4	50
3	3-Methoxybut-1-ene	86	C5H10O	017351-24-5	50
4	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	42
5	Pantolactone	130	C6H10O3	000599-04-2	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

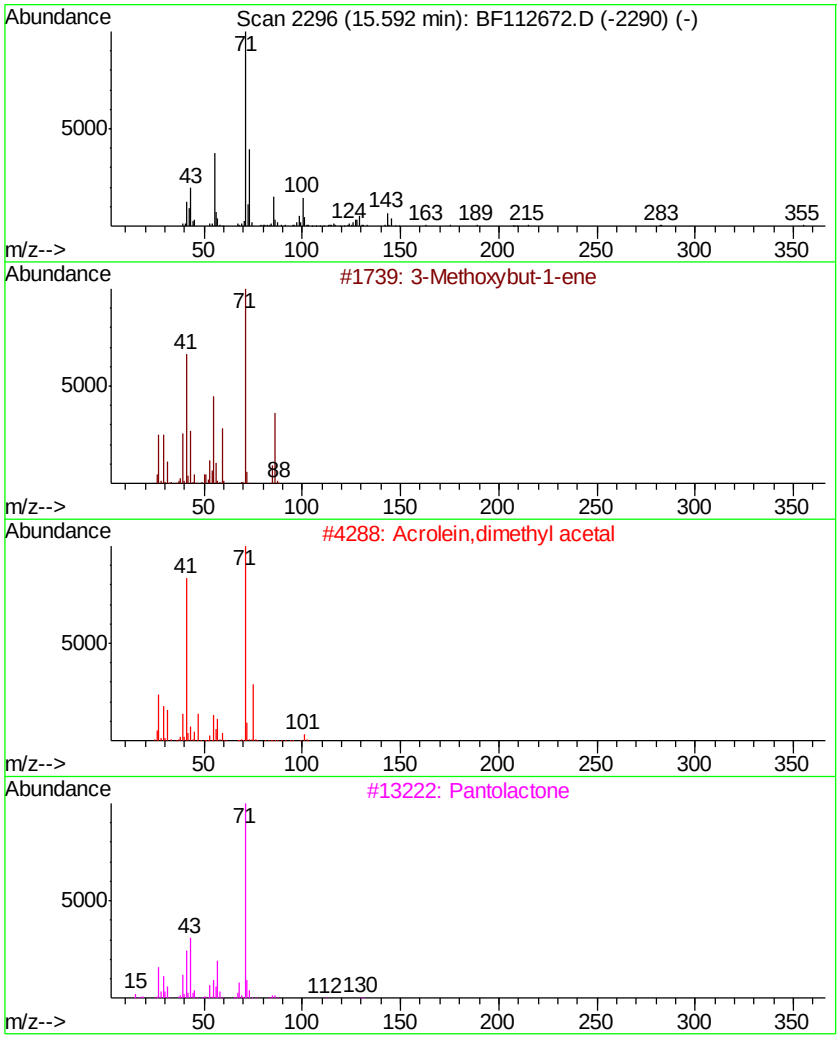
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

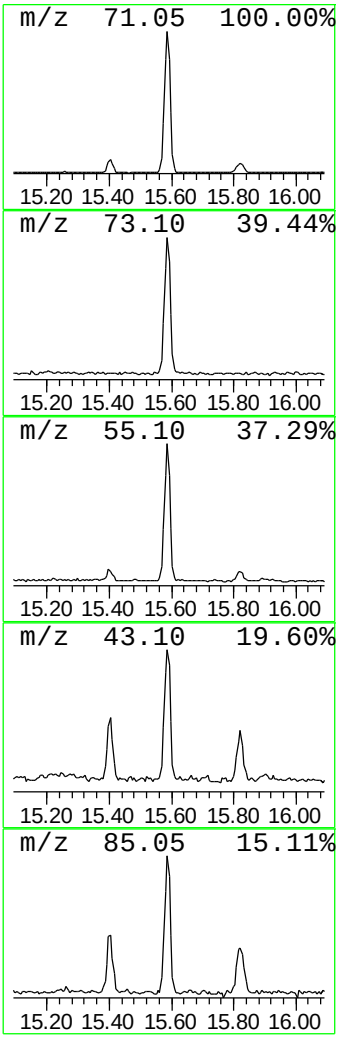
****

Peak Number 18 3-Methoxybut-1-ene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	21.00 ng	386433	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxybut-1-ene	86	C5H10O	017351-24-5	50
2	Acrolein,dimethyl acetal	102	C5H10O2	006044-68-4	47
3	Pantolactone	130	C6H10O3	000599-04-2	47
4	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	42
5	Oxirane, 2,2'-[1,4-butanediylbis...	202	C10H18O4	002425-79-8	36





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

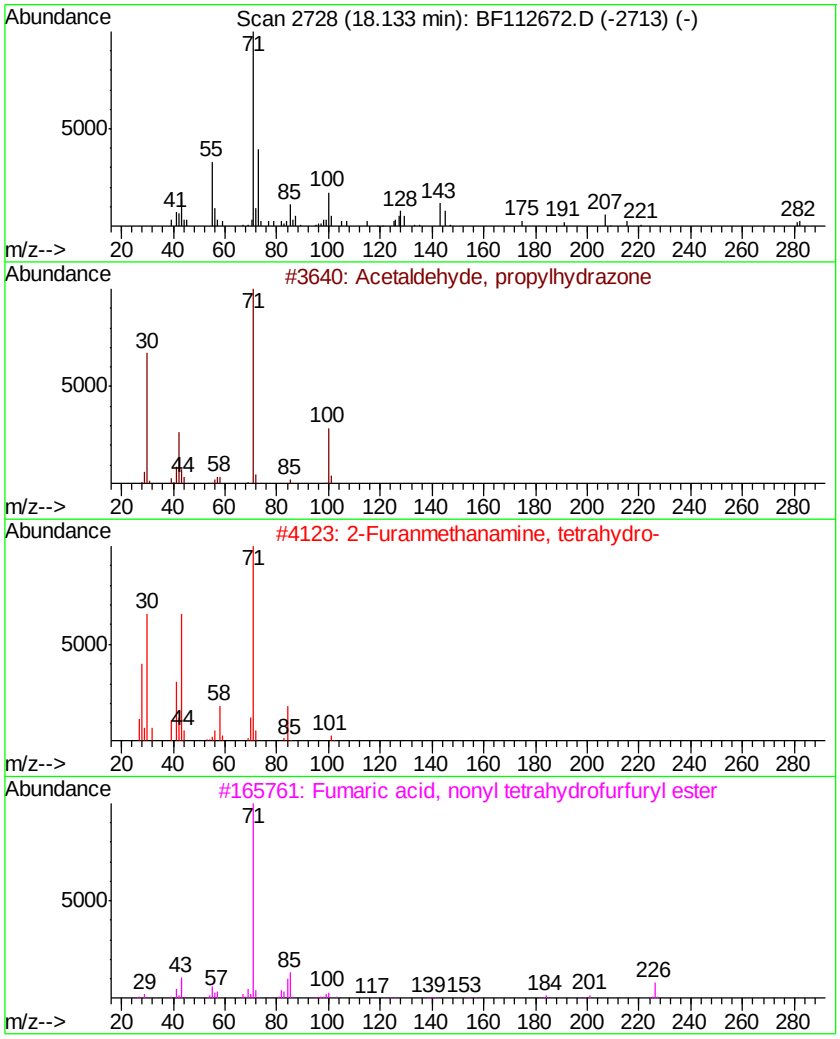
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

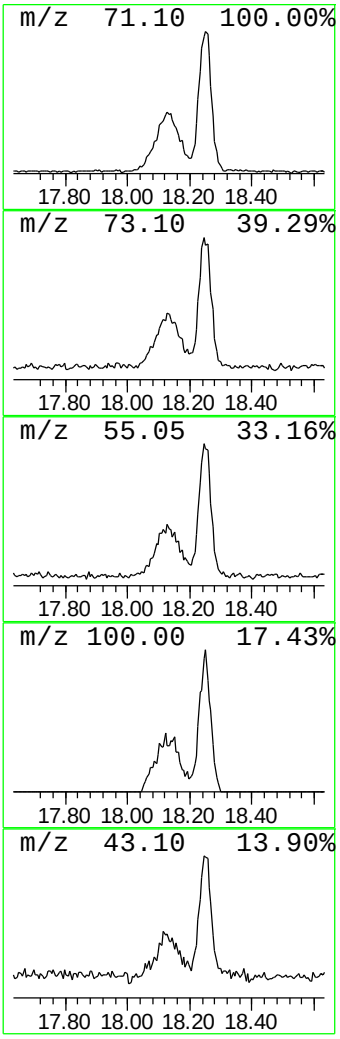
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Acetaldehyde, propylhydrazone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	13.28 ng	244317	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	58
2	2-Furanmethanamine, tetrahydro-	101	C5H11NO	004795-29-3	49
3	Fumaric acid, nonyl tetrahydrofu...	326	C18H30O5	1000330-58-3	40
4	Carbonic acid, neopentyl 2-penty...	202	C11H22O3	1000357-85-4	40
5	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

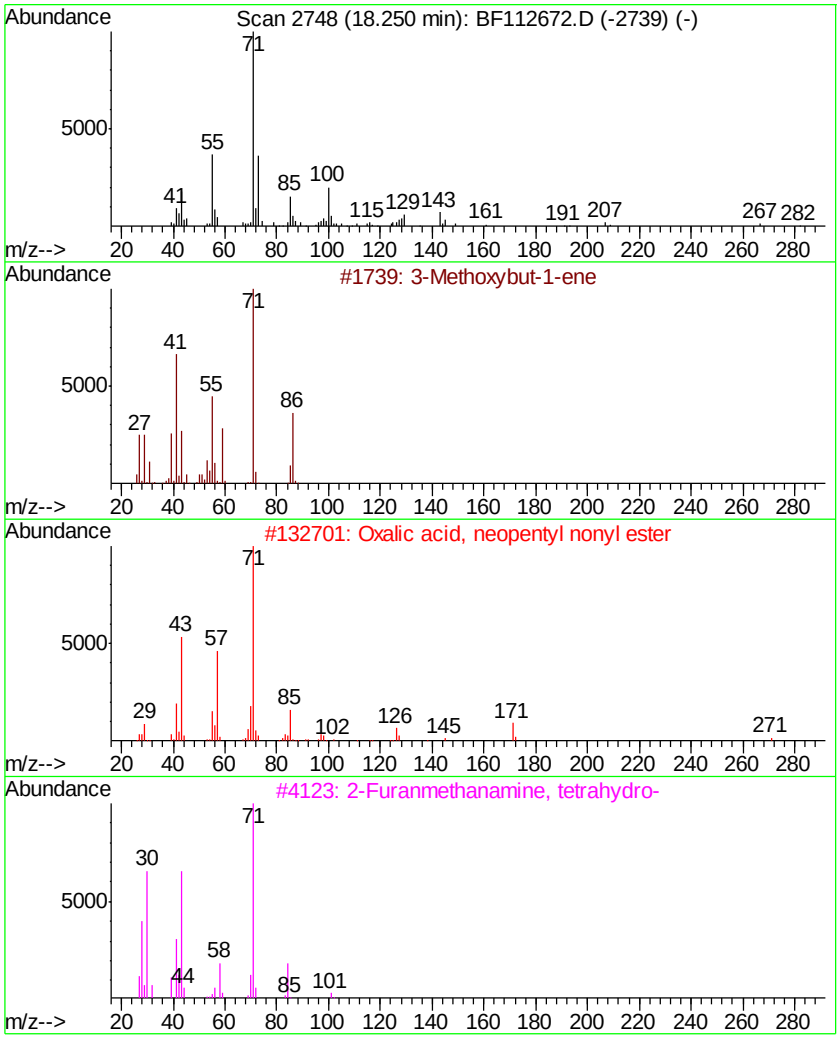
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

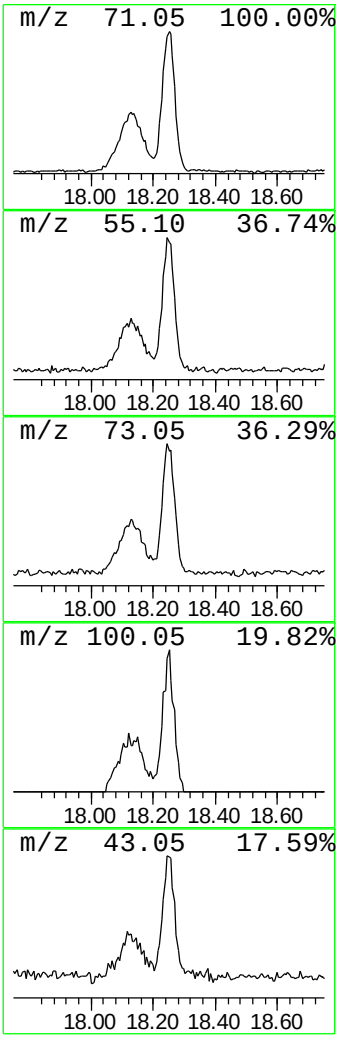
****

Peak Number 20 unknown18.25 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	17.83 ng	328162	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxybut-1-ene	86	C5H10O	017351-24-5	47
2	Oxalic acid, neopentyl nonyl ester	286	C16H30O4	1000309-73-3	47
3	2-Furanmethanamine, tetrahydro-	101	C5H11NO	004795-29-3	47
4	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	42
5	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022219\
Data File : BF112672.D
Acq On : 22 Feb 2019 18:50
Operator : JU/SJ
Sample : K1570-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 25-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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
Ethanol, 2-butoxy-	5.76	11.6	ng	270393	1	6.82	466226	20.0
unknown6.60	6.60	59.1	ng	1378730	1	6.82	466226	20.0
Bicyclo[2.2.1]hep...	7.62	6.3	ng	176212	2	8.10	561805	20.0
Silane, ethyldime...	7.87	5.2	ng	147009	2	8.10	561805	20.0
2,4,7,9-Tetrameth...	9.28	5.2	ng	204947	3	9.85	791706	20.0
Benzenebutanoic a...	10.15	31.7	ng	1253270	3	9.85	791706	20.0
unknown11.13	11.13	26.7	ng	1085830	4	11.34	814086	20.0
unknown11.66	11.66	8.8	ng	359767	4	11.34	814086	20.0
n-Hexadecanoic acid	11.86	5.1	ng	208380	4	11.34	814086	20.0
unknown11.94	11.94	20.4	ng	831608	4	11.34	814086	20.0
unknown12.07	12.07	7.4	ng	302863	4	11.34	814086	20.0
Todomatuic acid	12.30	12.3	ng	501859	4	11.34	814086	20.0
1-Penten-3-ol, 2-...	12.42	54.5	ng	2220080	4	11.34	814086	20.0
Butyl citrate	12.71	7.8	ng	184245	5	13.98	473213	20.0
unknown13.79	13.79	8.0	ng	189192	5	13.98	473213	20.0
Silane, ethenyldi...	14.04	35.0	ng	827529	5	13.98	473213	20.0
3-Methoxybut-1-ene	15.59	21.0	ng	386433	6	15.45	368086	20.0
Acetaldehyde, pro...	18.13	13.3	ng	244317	6	15.45	368086	20.0
unknown18.25	18.25	17.8	ng	328162	6	15.45	368086	20.0