LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092321\
Data File : BF125599.D
Acq On : 23 Sep 2021 19:07
Operator : JU/CG
Sample : M3798-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NAPL-07-(15-18)

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-BF092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125599.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.193	10	18	23	rBV	1381720	1788820	40.77%	5.033%
2	5.510	577	582	585	rBV	3922533	3563383	81.22%	10.025%
3	5.981	657	662	669	rBV2	65316	111706	2.55%	0.314%
4	6.057	669	675	679	rVB3	92204	126771	2.89%	0.357%
5	6.104	679	683	686	rBV	70934	73515	1.68%	0.207%
6	6.151	686	691	697	rBV2	240078	303662	6.92%	0.854%
7	6.210	697	701	703	rVB	112661	113447	2.59%	0.319%
8	6.340	718	723	726	rBV2	140698	170685	3.89%	0.480%
9	6.381	726	730	731	rBV2	63321	50289	1.15%	0.141%
10	6.398	731	733	736	rVB	120498	102249	2.33%	0.288%
11	6.440	736	740	741	rBV	70744	84169	1.92%	0.237%
12	6.451	741	742	747	rVB2	56868	50158	1.14%	0.141%
13	6.510	747	752	755	rBV	3726798	3571154	81.40%	10.047%
14	6.640	770	774	779	rBV4	103614	165891	3.78%	0.467%
15	6.681	779	781	786	rVB3	66920	71057	1.62%	0.200%
16	6.839	802	808	810	rBV4	50840	77579	1.77%	0.218%
17	6.869	810	813	814	rBV3	47061	48588	1.11%	0.137%
18	6.892	814	817	819	rBV	1342629	1098307	25.03%	3.090%
19	6.957	824	828	831	rVB2	85637	104436	2.38%	0.294%
20	7.010	835	837	840	rVV	73126	75175	1.71%	0.211%
21	7.045	840	843	847	rVB	163995	139313	3.18%	0.392%
22	7.175	859	865	867	rVB2	70594	77403	1.76%	0.218%
23	7.451	907	912	915	rBV	2559323	2270329	51.75%	6.387%
24	8.069	1014	1017	1023	rBV	238577	208885	4.76%	0.588%
25	8.175	1031	1035	1038	rBV	1864105	1513173	34.49%	4.257%
26	9.251	1213	1218	1221	rBV	4926009	4345620	99.05%	12.226%
27	9.928	1329	1333	1337	rBV	1908999	1746816	39.82%	4.915%
28	10.716	1463	1467	1470	rBV	3188063	2820613	64.29%	7.936%
29	11.416	1582	1586	1589	rBV	2267474	1806787	41.18%	5.083%
30	11.939	1670	1675	1680	rBV	274464	249949	5.70%	0.703%
31	12.727	1805	1809	1821	rBV	144459	174916	3.99%	0.492%
32	13.004	1851	1856	1859	rBV	5089736	4387178	100.00%	12.343%
33	13.533	1942	1946	1951	rBV3	43454	48466	1.10%	0.136%
34	13.904	2004	2009	2022	rBV2	148934	246046	5.61%	0.692%
35	14.051	2030	2034	2038	rBV	1765493	1707533	38.92%	4.804%
36	14.221	2059	2063	2067	rBV	67228	68562	1.56%	0.193%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092321\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NAPL-07-(15-18)

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-BF092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.527	2112	2115	2120	rBV	73781	73785	1.68%	0.208%
38	14.839	2165	2168	2173	rVB	62170	65423	1.49%	0.184%
39	15.186	2223	2227	2232	rBV	60246	66060	1.51%	0.186%
40	15.533	2281	2286	2291	rBV	1256948	1574947	35.90%	4.431%
41	15.574	2291	2293	2301	rVB	63402	86561	1.97%	0.244%
42	16.027	2365	2370	2375	rBV	41108	59147	1.35%	0.166%
43	16.545	2453	2458	2469	rVB2	31529	55337	1.26%	0.156%

Sum of corrected areas: 35543890

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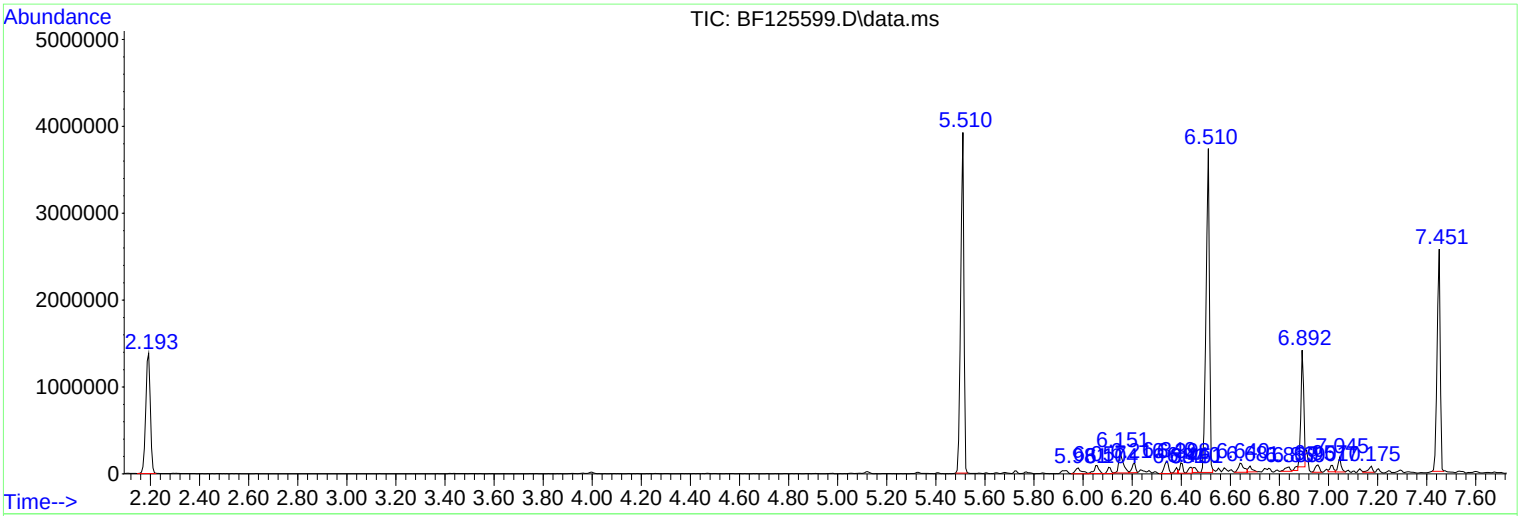
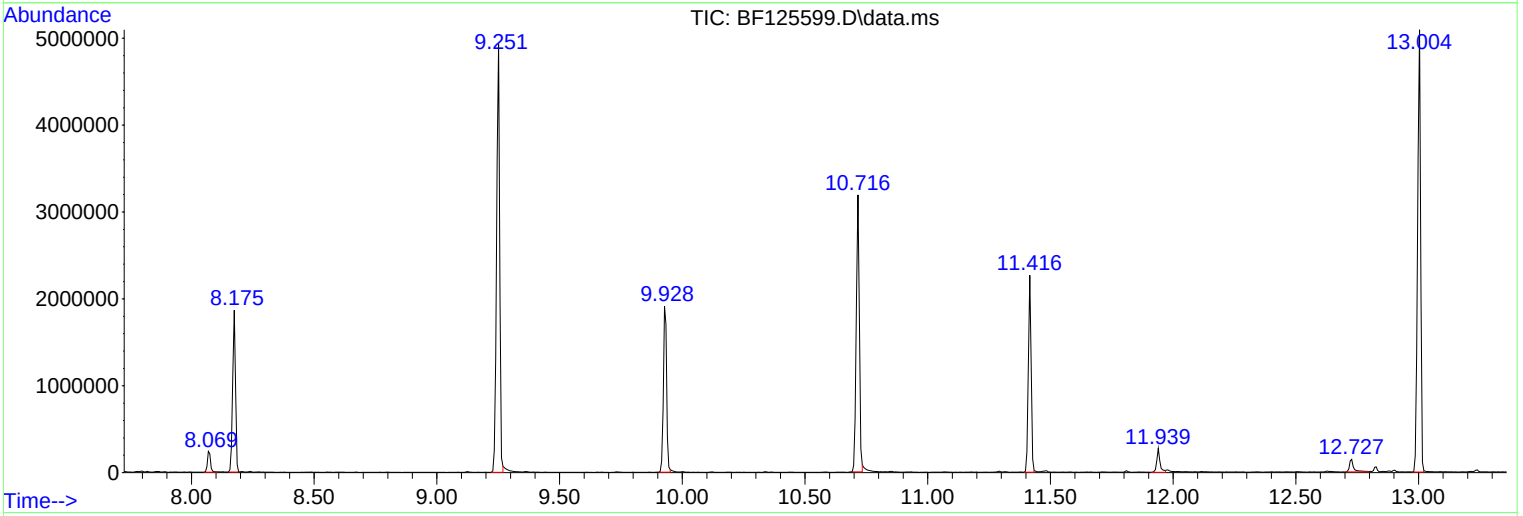
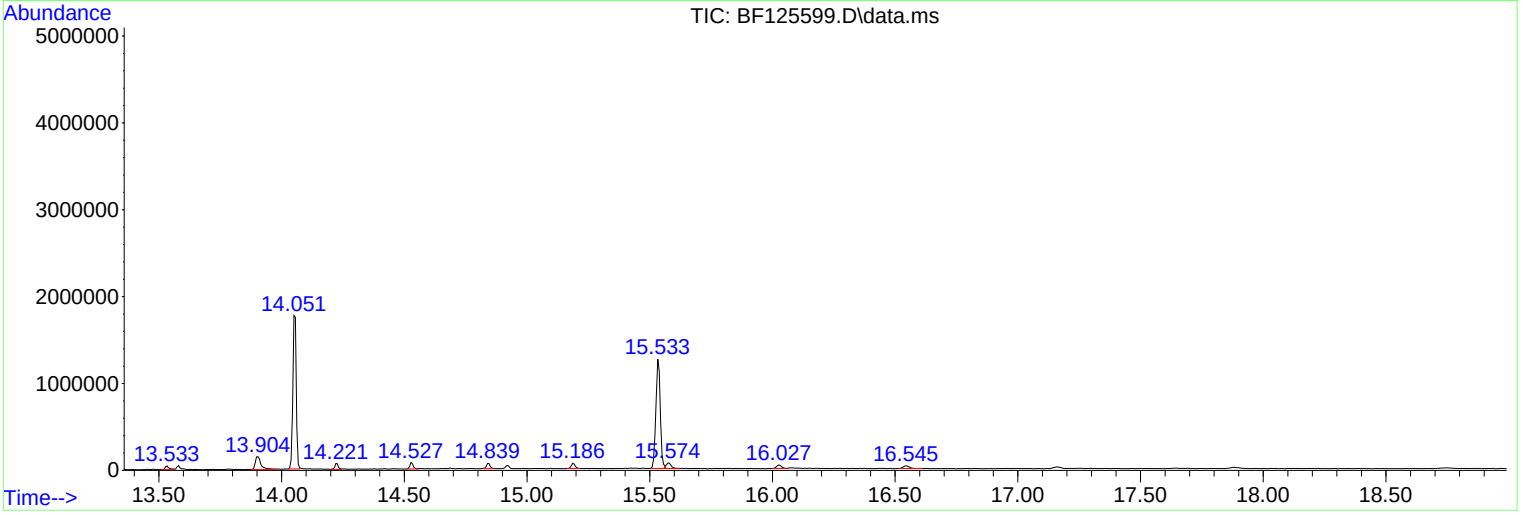
Instrument :
BNA_F
ClientSampleId :
NAPL-07-(15-18)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







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Instrument :
BNA_F
ClientSampleId :
NAPL-07-(15-18)

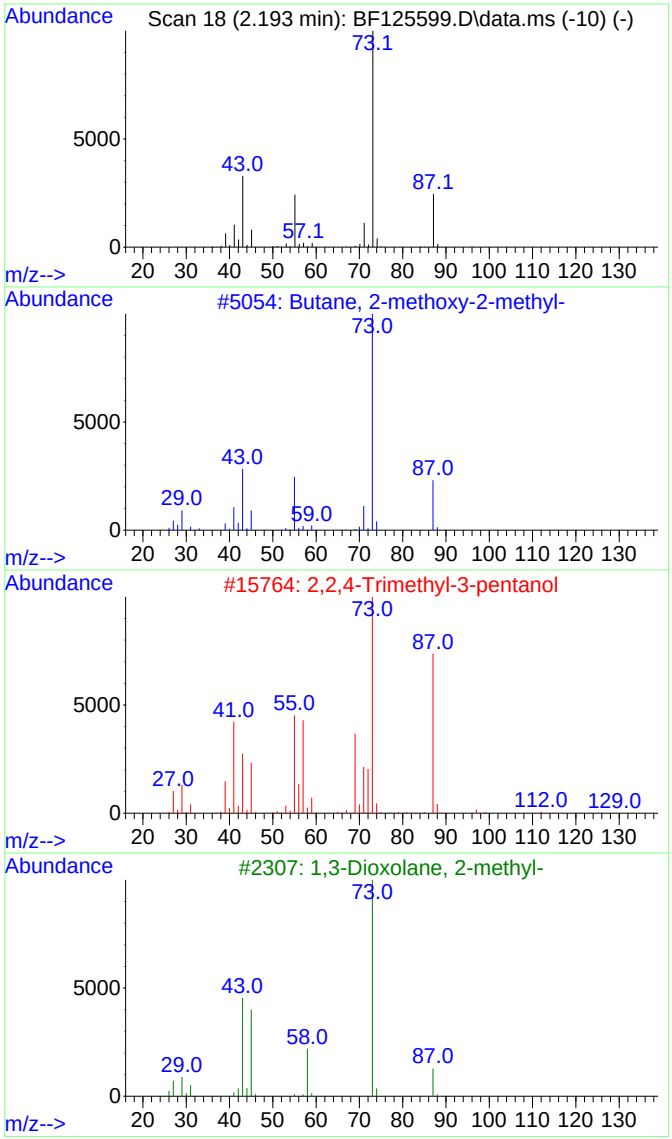
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

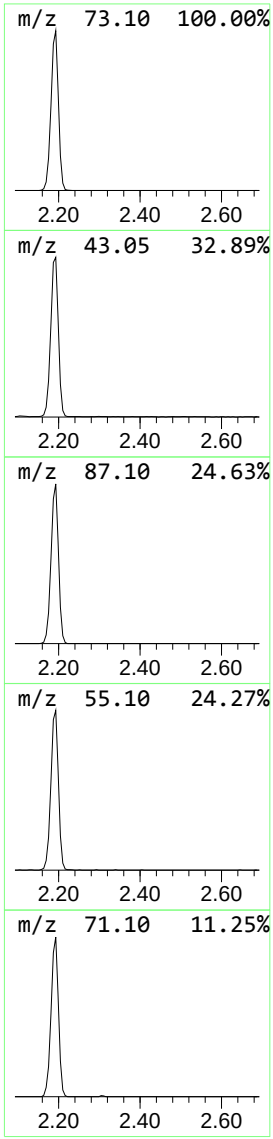
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.193	32.57 ng	1788820	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





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Sample : M3798-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NAPL-07-(15-18)

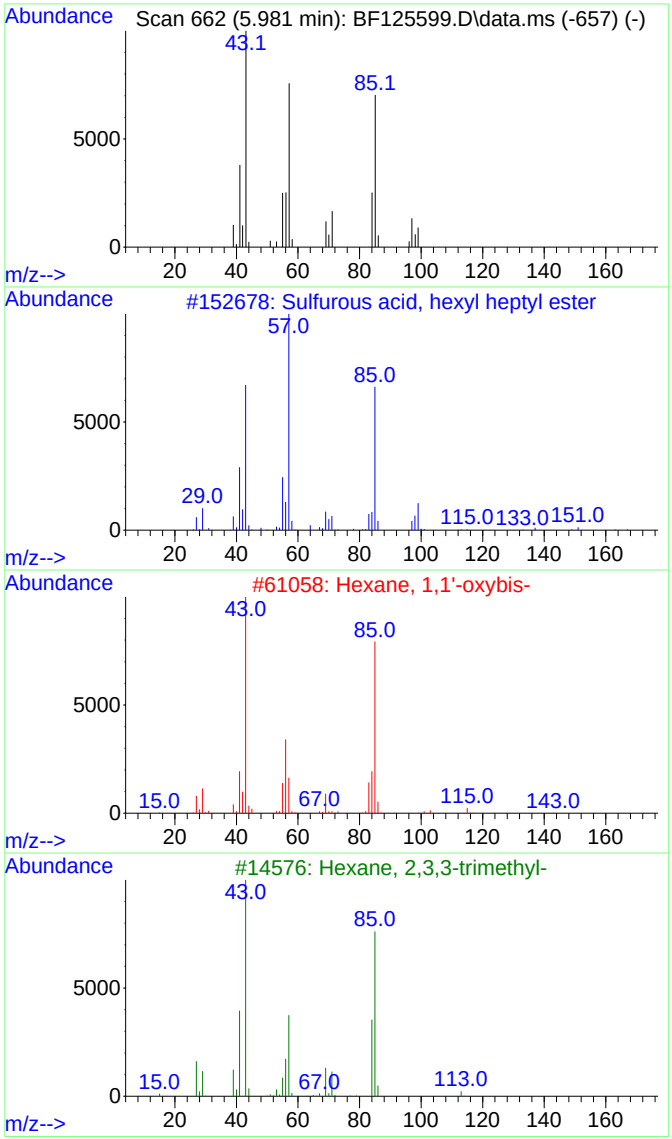
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

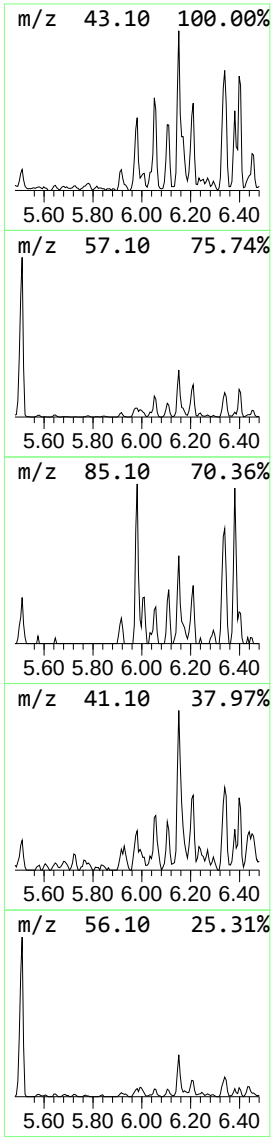
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Sulfurous acid, hexyl hepty... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.981	2.03 ng	111706	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	59
2	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	50
3	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	50
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
5	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092321\
Data File : BF125599.D
Acq On : 23 Sep 2021 19:07
Operator : JU/CG
Sample : M3798-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NAPL-07-(15-18)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

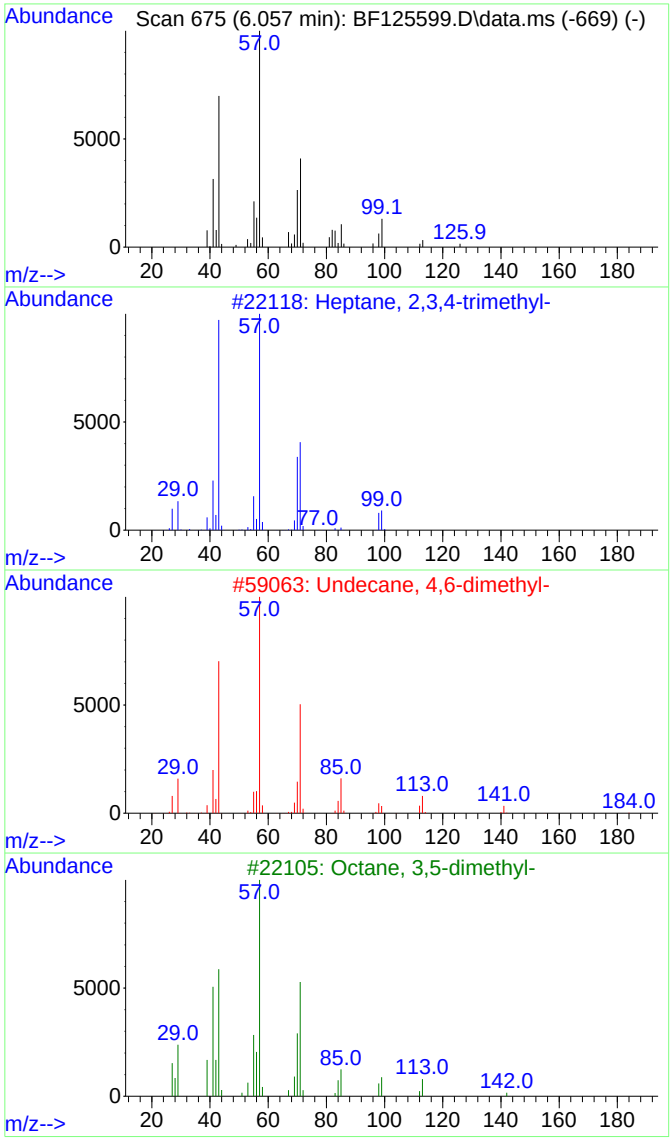
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

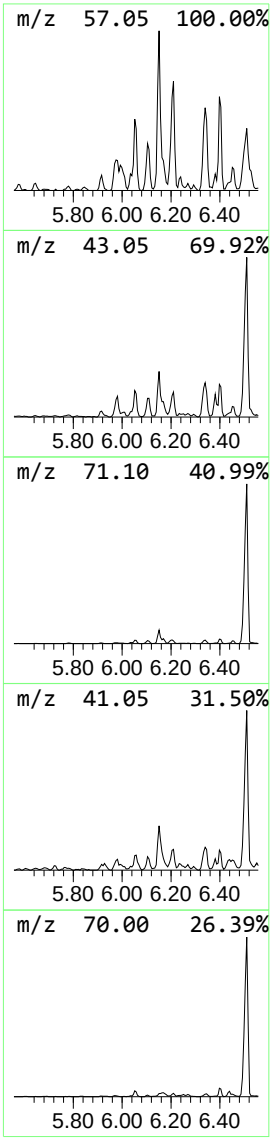
****

Peak Number 3 Heptane, 2,3,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.057	2.31 ng	126771	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	64
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	64
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092321\
Data File : BF125599.D
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Operator : JU/CG
Sample : M3798-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NAPL-07-(15-18)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

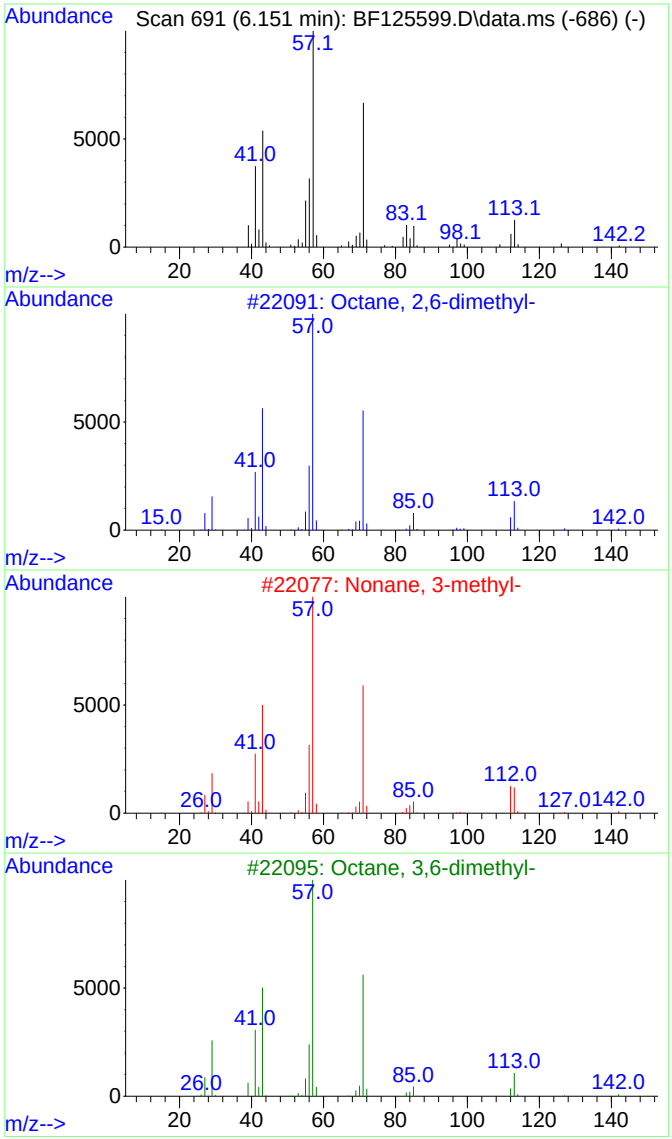
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

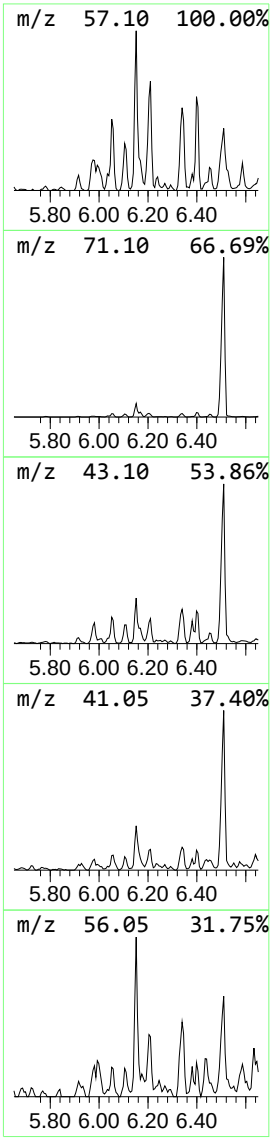
****

Peak Number 4 Octane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.151	5.53 ng	303662	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	80
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	47
5	2-Decanol, 2-methylpropionate	228	C14H28O2	1000447-30-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092321\
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Operator : JU/CG
Sample : M3798-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NAPL-07-(15-18)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

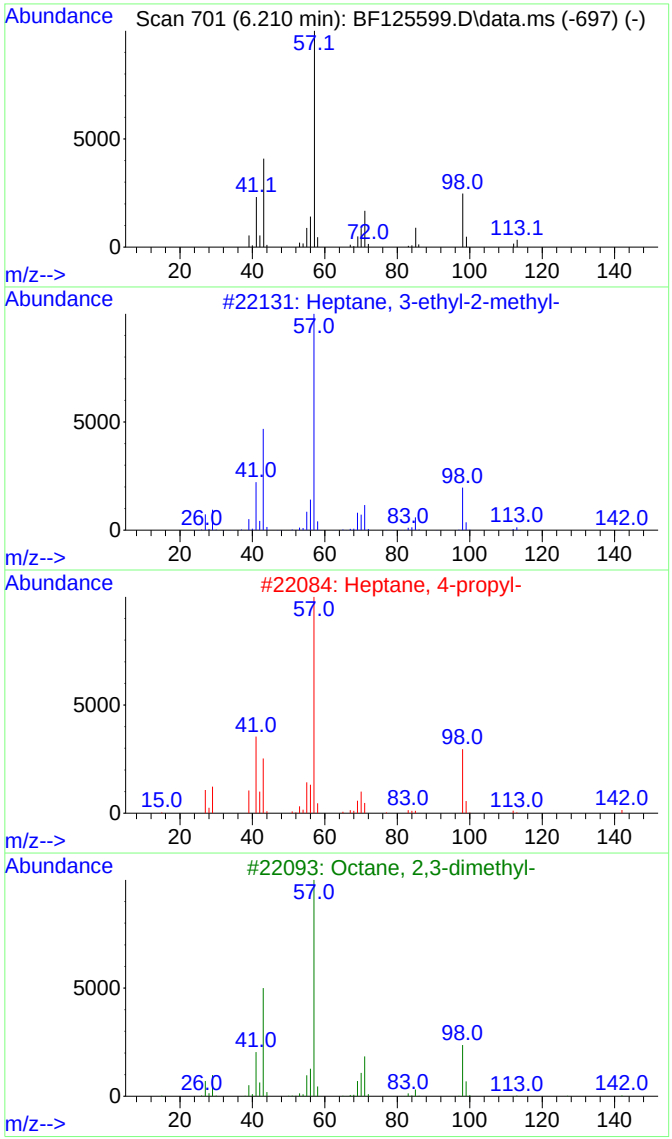
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

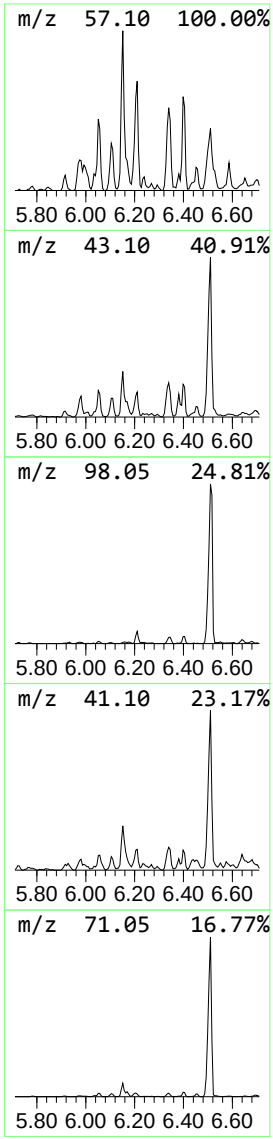
****

Peak Number 5 Heptane, 3-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.210	2.07 ng	113447	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	59
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092321\
Data File : BF125599.D
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Operator : JU/CG
Sample : M3798-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NAPL-07-(15-18)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

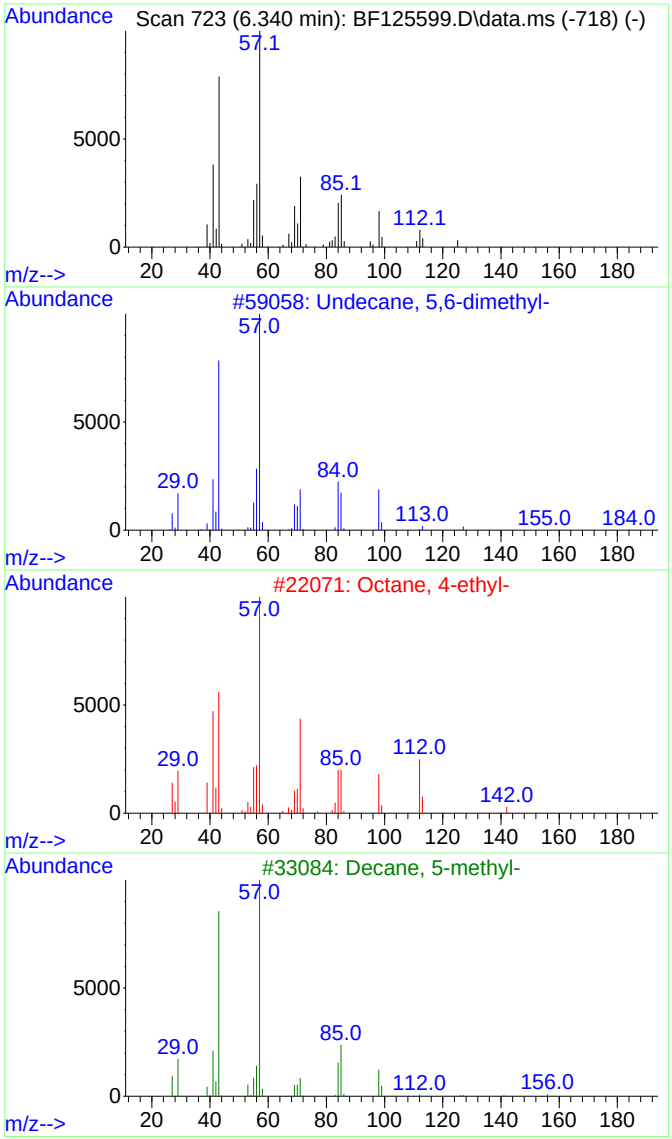
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

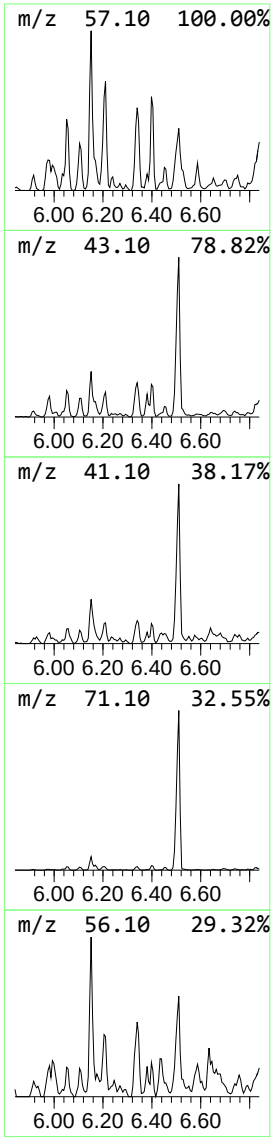
****

Peak Number 6 Undecane, 5,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.340	3.11 ng	170685	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	64
2	Octane, 4-ethyl-	142	C10H22	015869-86-0	64
3	Decane, 5-methyl-	156	C11H24	013151-35-4	59
4	Decane	142	C10H22	000124-18-5	53
5	Dotriacontane	451	C32H66	000544-85-4	53





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Sample : M3798-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NAPL-07-(15-18)

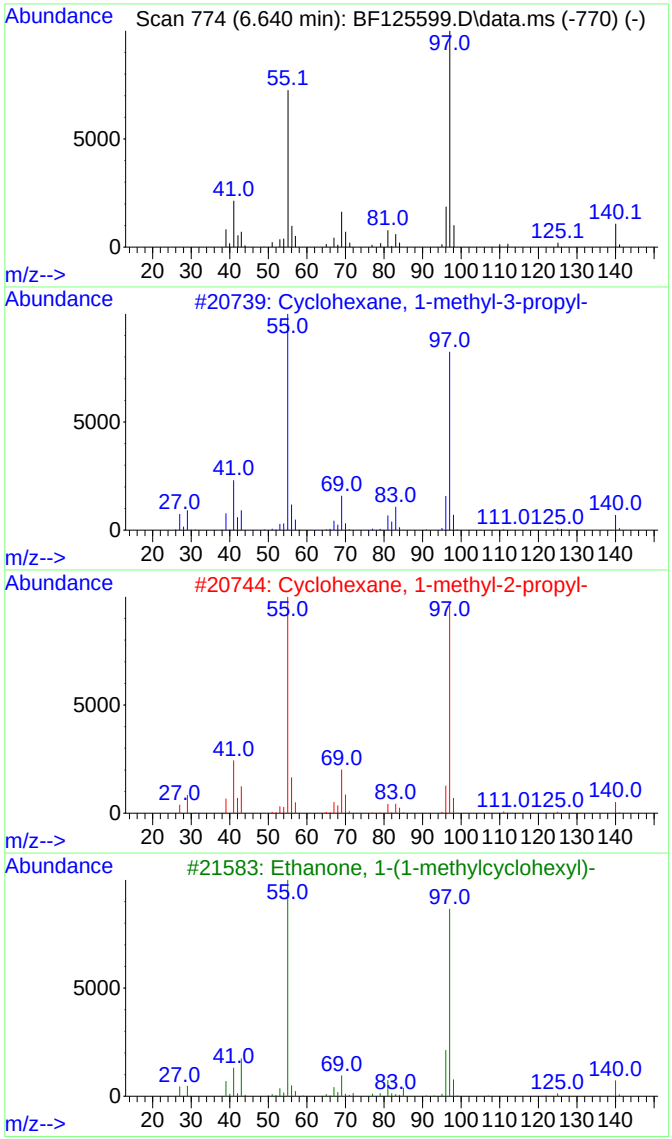
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

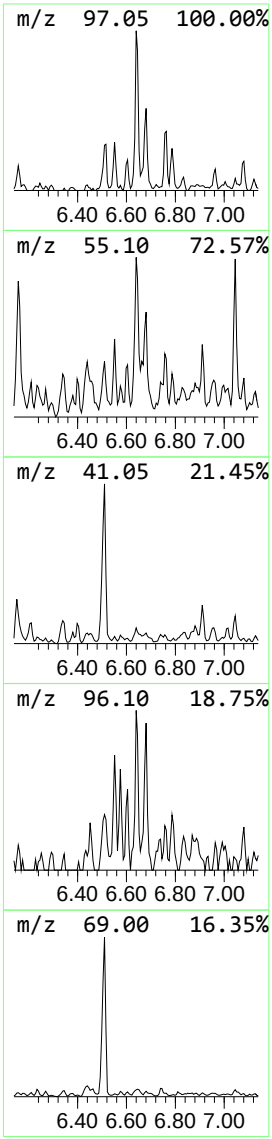
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexane, 1-methyl-3-pro... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.640	3.02 ng	165891	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	91
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	87
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	83
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	80
5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092321\
Data File : BF125599.D
Acq On : 23 Sep 2021 19:07
Operator : JU/CG
Sample : M3798-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NAPL-07-(15-18)

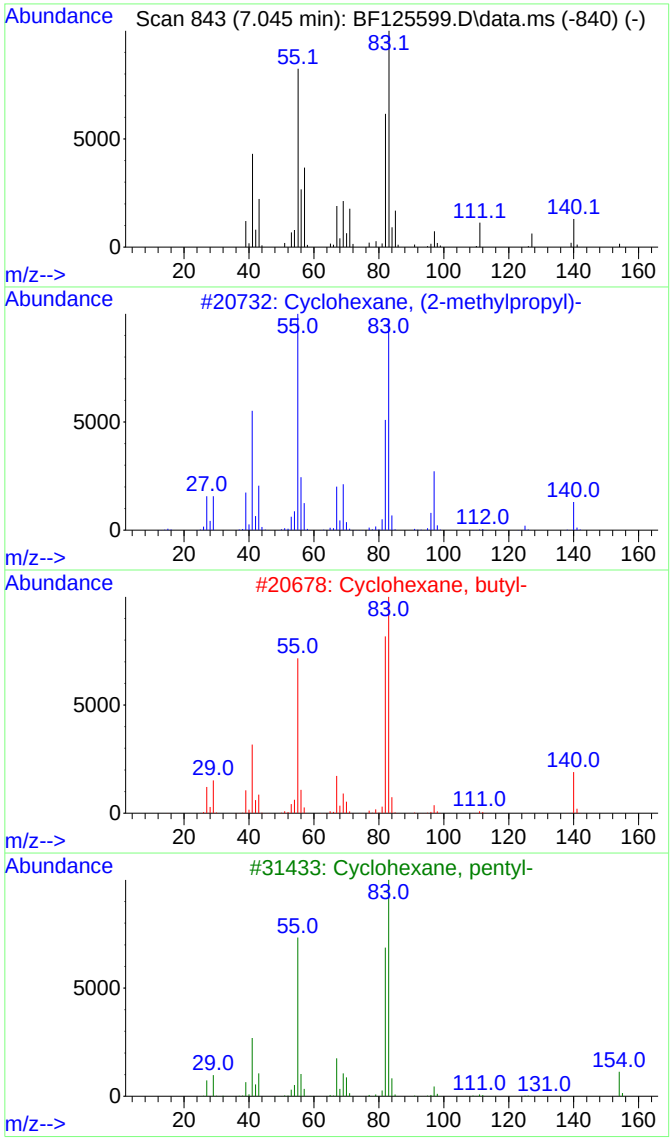
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

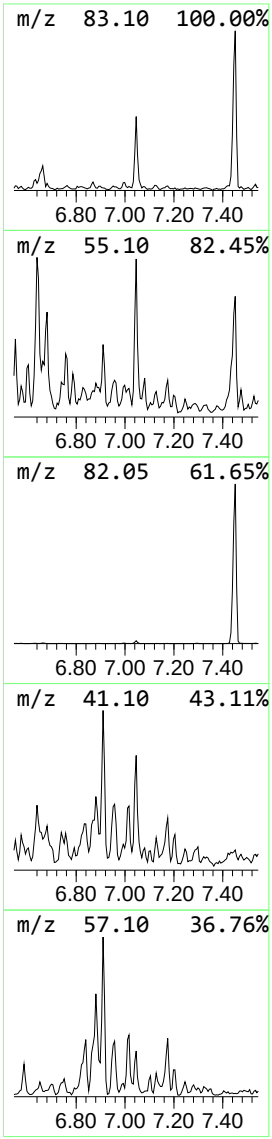
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclohexane, (2-methylpropyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.045	2.54 ng	139313	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	87
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59
4	Cyclohexane, decyl-	224	C16H32	001795-16-0	59
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092321\
Data File : BF125599.D
Acq On : 23 Sep 2021 19:07
Operator : JU/CG
Sample : M3798-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NAPL-07-(15-18)

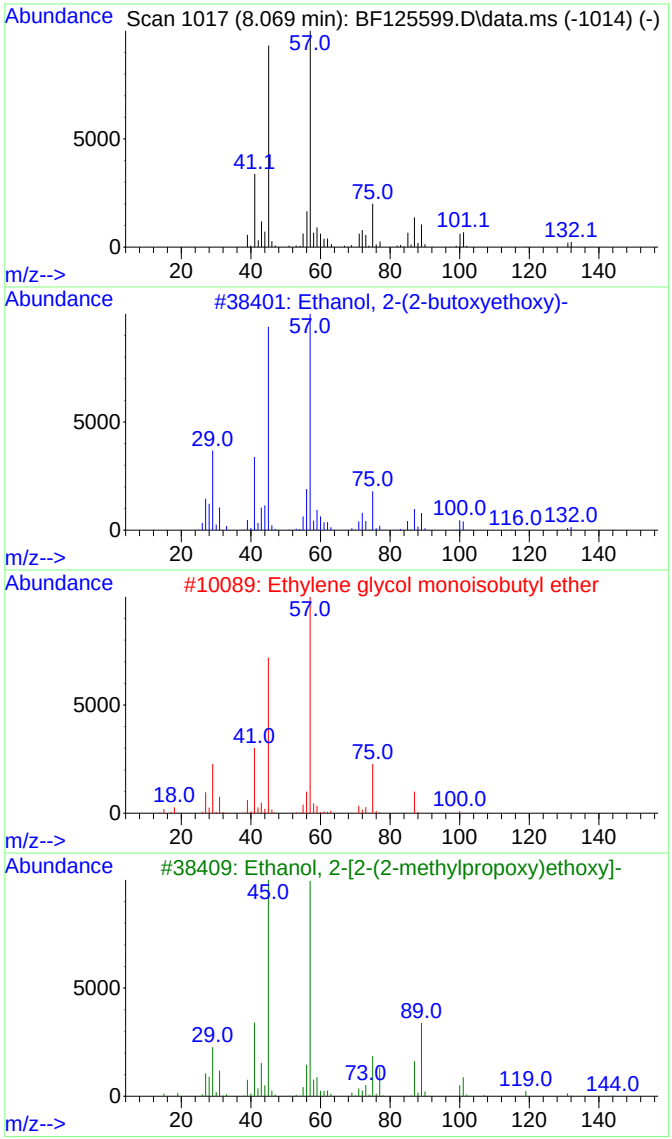
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

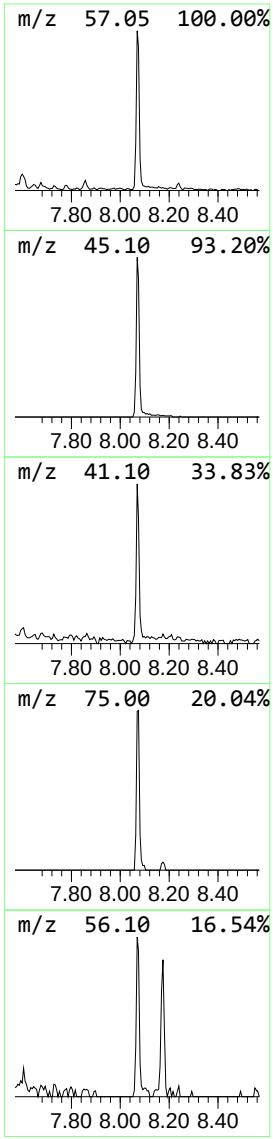
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.069	2.76 ng	208885	Naphthalene-d8	8.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
3	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
4	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	50
5	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	50





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Sample : M3798-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NAPL-07-(15-18)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

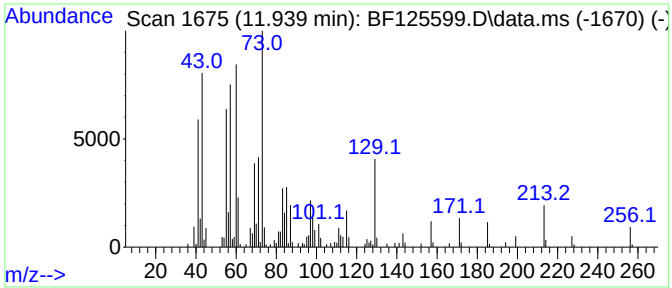
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

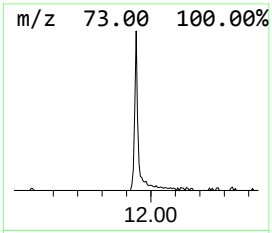
****

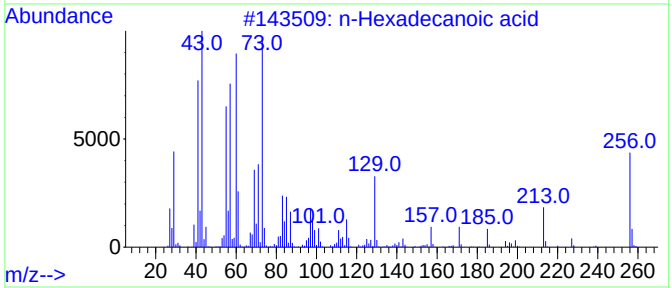
Peak Number 10 n-Hexadecanoic acid Concentration Rank 6

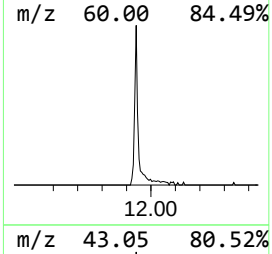
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	2.77 ng	249949	Phenanthrene-d10	11.416

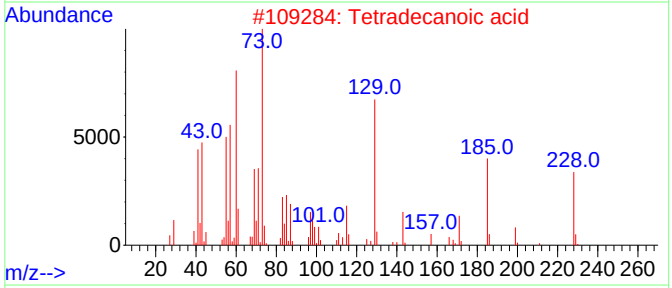
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68

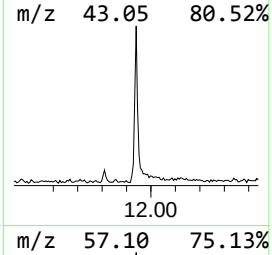


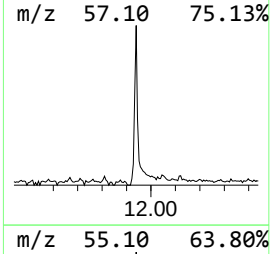


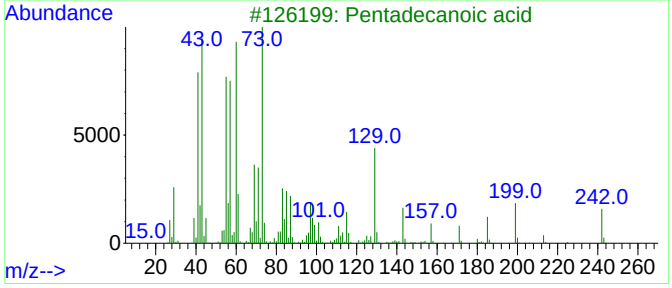


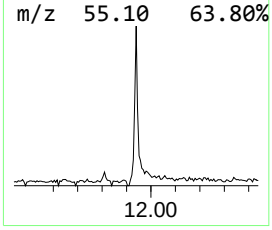












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Sample : M3798-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NAPL-07-(15-18)

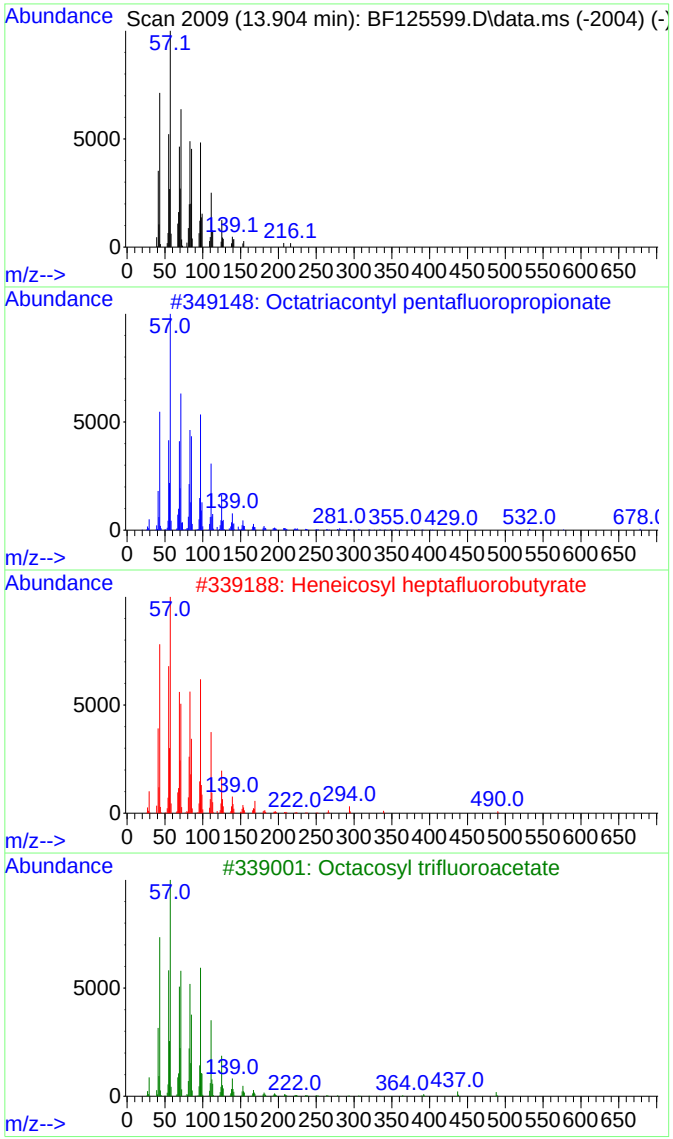
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

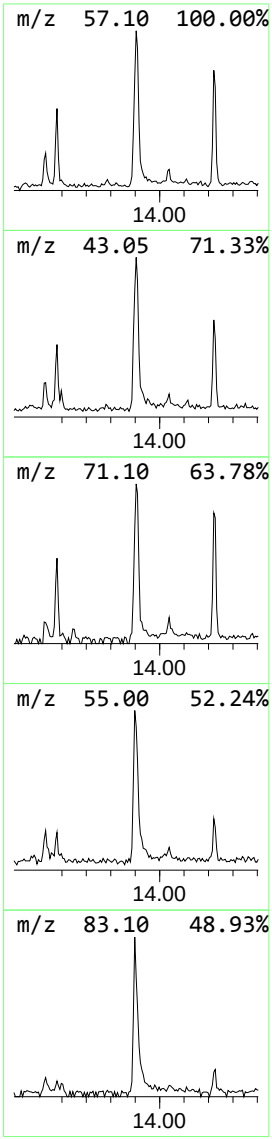
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Octatriacontyl pentafluorop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	2.88 ng	246046	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	87
2	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	87
3	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	87
4	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	83
5	Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092321\
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Instrument : BNA_F
ClientSampleId : NAPL-07-(15-18)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.193	32.6	ng	1788820	1	6.892	1098310	20.0
Sulfurous acid,...	5.981	2.0	ng	111706	1	6.892	1098310	20.0
Heptane, 2,3,4-...	6.057	2.3	ng	126771	1	6.892	1098310	20.0
Octane, 2,6-dim...	6.151	5.5	ng	303662	1	6.892	1098310	20.0
Heptane, 3-ethy...	6.210	2.1	ng	113447	1	6.892	1098310	20.0
Undecane, 5,6-d...	6.340	3.1	ng	170685	1	6.892	1098310	20.0
Cyclohexane, 1-...	6.640	3.0	ng	165891	1	6.892	1098310	20.0
Cyclohexane, (2...	7.045	2.5	ng	139313	1	6.892	1098310	20.0
Ethanol, 2-(2-b...	8.069	2.8	ng	208885	2	8.175	1513170	20.0
n-Hexadecanoic ...	11.939	2.8	ng	249949	4	11.416	1806790	20.0
Octatriacontyl ...	13.904	2.9	ng	246046	5	14.057	1707530	20.0