LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
Data File : BF095039.D
Acq On : 10 May 2017 00:24
Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

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-BF050217.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	2.390	72	77	85	rBV	97738	158101	1.11%	0.200%
2	5.666	630	634	643	rBV	618623	1291742	9.09%	1.635%
3	6.101	694	708	709	rBV	212141	589591	4.15%	0.746%
4	6.172	709	720	721	rVB	139175	335206	2.36%	0.424%
5	6.266	729	736	743	rVB	534524	977952	6.88%	1.238%
6	7.295	907	911	923	rBV2	516030	845621	5.95%	1.071%
7	7.395	923	928	939	rBV	956495	2047059	14.41%	2.591%
8	7.713	978	982	990	rVB	482524	549559	3.87%	0.696%
9	7.907	1010	1015	1018	rBV	958087	1083022	7.62%	1.371%
10	7.948	1018	1022	1034	rVV	1462345	1853688	13.05%	2.347%
11	8.436	1099	1105	1110	rVB	1281314	1473834	10.38%	1.866%
12	8.489	1110	1114	1131	rVB	154272	364088	2.56%	0.461%
13	8.619	1131	1136	1150	rVB	1154591	1430023	10.07%	1.810%
14	8.742	1150	1157	1160	rBV	197341	320851	2.26%	0.406%
15	9.095	1160	1217	1218	rBV2	1455317	14204858	100.00%	17.983%
16	9.336	1253	1258	1259	rBV	264157	230203	1.62%	0.291%
17	9.736	1312	1326	1337	rVB	685512	1378610	9.71%	1.745%
18	10.019	1364	1374	1386	rVB2	439743	838473	5.90%	1.061%
19	10.230	1399	1410	1420	rBV	110184	303858	2.14%	0.385%
20	10.460	1444	1449	1459	rBV	84663	184536	1.30%	0.234%
21	10.642	1467	1480	1489	rVV2	316210	886848	6.24%	1.123%
22	10.871	1514	1519	1521	rBV	101448	142065	1.00%	0.180%
23	11.436	1608	1615	1617	rBV2	235887	349781	2.46%	0.443%
24	11.507	1617	1627	1631	rVB	2273632	3762530	26.49%	4.763%
25	11.889	1678	1692	1695	rBV	5359779	13603825	95.77%	17.222%
26	12.283	1756	1759	1765	rVB4	92177	142690	1.00%	0.181%
27	12.565	1802	1807	1817	rBV2	641041	967552	6.81%	1.225%
28	12.777	1839	1843	1850	rBV	155670	309147	2.18%	0.391%
29	13.118	1895	1901	1905	rBV3	239531	436479	3.07%	0.553%
30	13.771	2009	2012	2016	rBV	117377	178483	1.26%	0.226%
31	13.871	2024	2029	2035	rBV	837813	1336537	9.41%	1.692%
32	14.212	2084	2087	2091	rVB	321916	400032	2.82%	0.506%
33	14.307	2097	2103	2111	rBV	545717	1344019	9.46%	1.701%
34	14.971	2212	2216	2222	rVB2	815150	1175963	8.28%	1.489%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
Data File : BF095039.D
Acq On : 10 May 2017 00:24
Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

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-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.971	2383	2386	2391	rVB	781756	975069	6.86%	1.234%
36	16.024	2392	2395	2397	rBV	404304	583253	4.11%	0.738%
37	16.083	2403	2405	2409	rBV	409632	462357	3.25%	0.585%
38	16.271	2434	2437	2443	rVB	617319	825125	5.81%	1.045%
39	16.671	2501	2505	2510	rVB	863318	1096368	7.72%	1.388%
40	17.300	2608	2612	2618	rVB	1474216	1816599	12.79%	2.300%
41	18.636	2836	2839	2845	rVB	494038	554726	3.91%	0.702%
42	18.694	2845	2849	2853	rVB	854777	900423	6.34%	1.140%
43	19.259	2941	2945	2948	rBV	158649	192765	1.36%	0.244%
44	19.506	2984	2987	2992	rVB	139128	150124	1.06%	0.190%
45	19.565	2995	2997	3002	rVB2	130176	173597	1.22%	0.220%
46	19.777	3029	3033	3036	rBV	492359	564431	3.97%	0.715%
47	19.877	3047	3050	3054	rBV	112753	159647	1.12%	0.202%
48	20.165	3096	3099	3105	rVB	393883	463297	3.26%	0.587%
49	20.224	3105	3109	3114	rBV	261089	438957	3.09%	0.556%
50	20.283	3115	3119	3120	rVV2	216344	274127	1.93%	0.347%
51	20.306	3120	3123	3130	rVB2	435682	629421	4.43%	0.797%
52	20.518	3154	3159	3163	rVV	1386519	1690518	11.90%	2.140%
53	20.565	3163	3167	3174	rVV	480330	885925	6.24%	1.122%
54	20.641	3176	3180	3183	rVV2	159312	227795	1.60%	0.288%
55	20.677	3183	3186	3190	rVB	132717	166951	1.18%	0.211%
56	20.794	3202	3206	3208	rBV	106977	159904	1.13%	0.202%
57	20.912	3219	3226	3230	rBV	2118374	3261185	22.96%	4.128%
58	20.959	3230	3234	3243	rVV	501739	987677	6.95%	1.250%
59	21.041	3244	3248	3260	rVB2	117101	255461	1.80%	0.323%
60	21.212	3274	3277	3283	rVB	96736	142850	1.01%	0.181%
61	21.347	3292	3300	3305	rBV	1842542	3245532	22.85%	4.109%
62	21.400	3305	3309	3322	rVB	262772	464896	3.27%	0.589%
63	21.847	3378	3385	3397	rVB	852596	1746358	12.29%	2.211%

Sum of corrected areas: 78992164

LSC Report - Integrated Chromatogram

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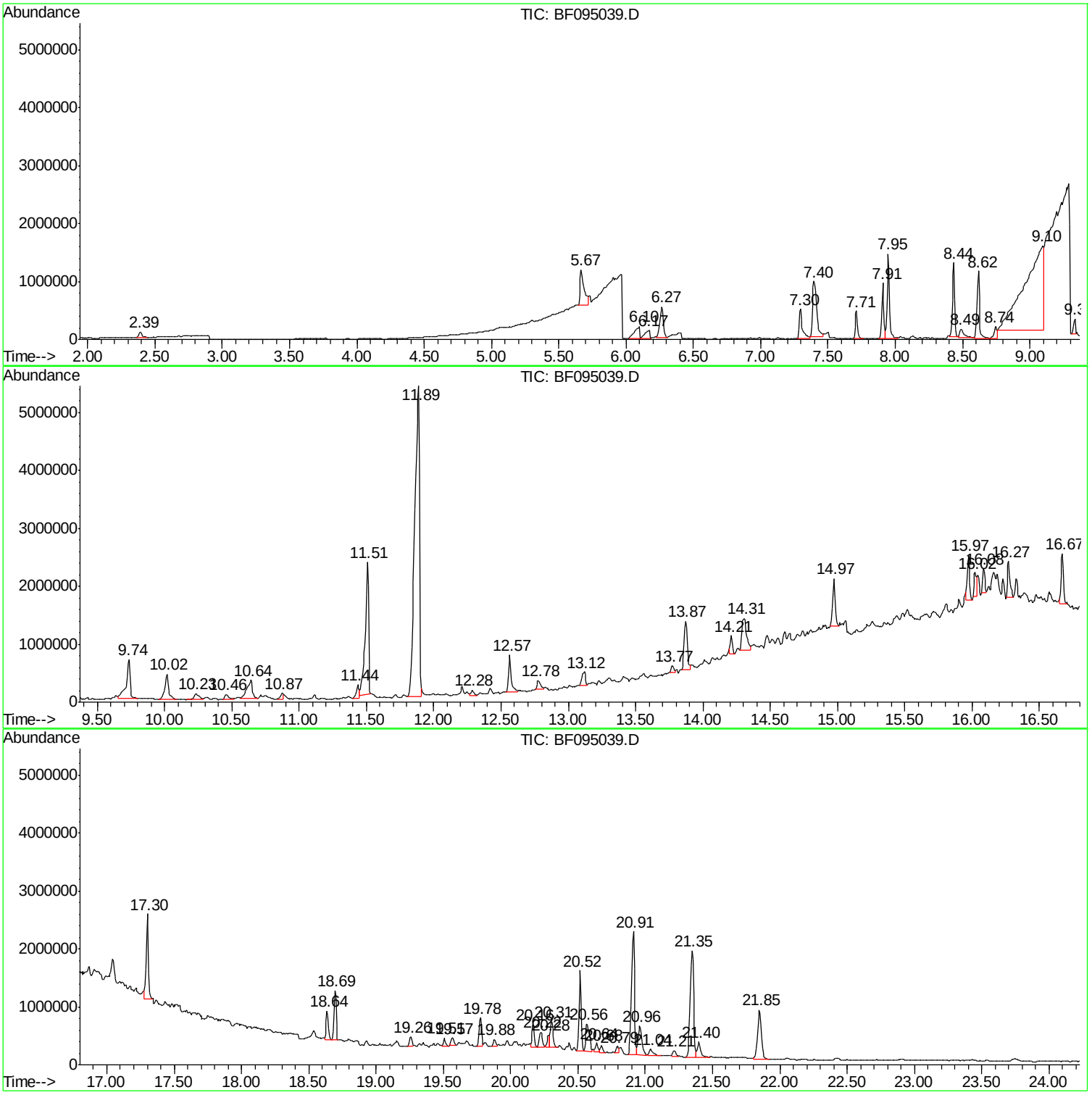
Acq On : 10 May 2017 00:24
Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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\BF050917\
Data File : BF095039.D
Acq On : 10 May 2017 00:24
Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

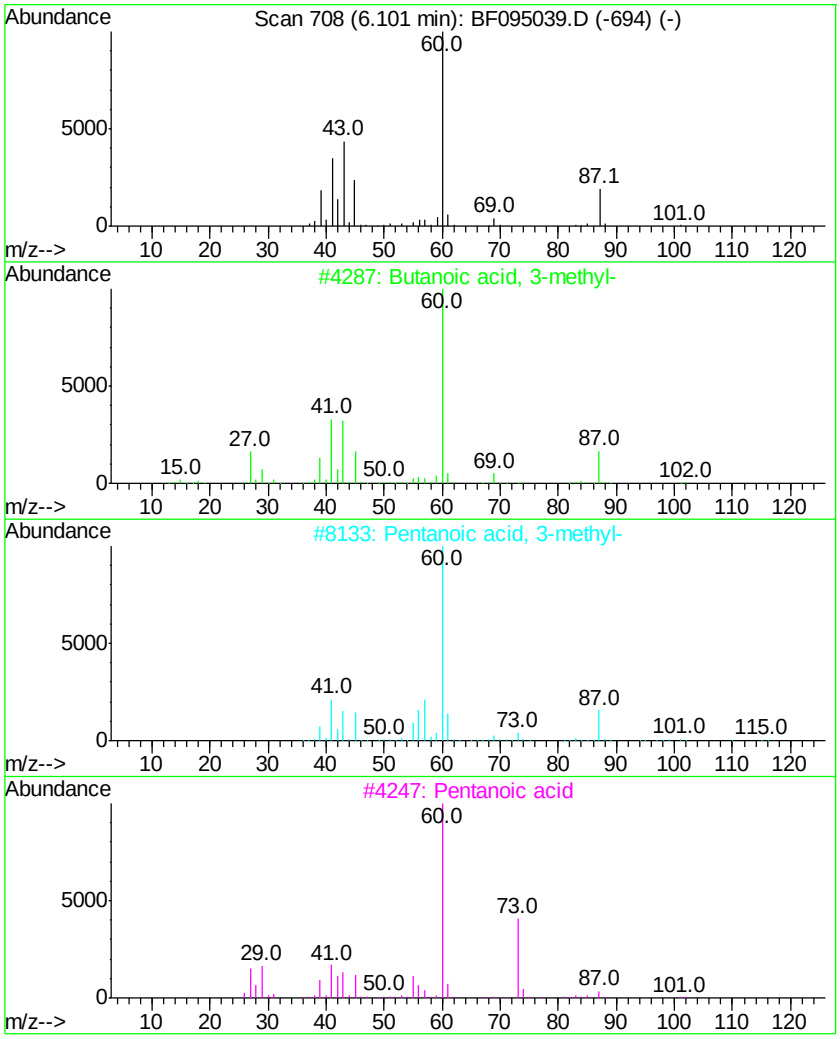
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

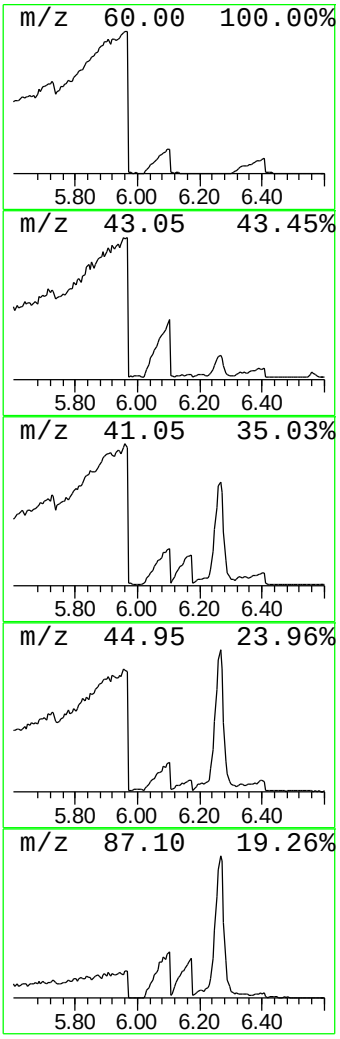
****

Peak Number 1 Butanoic acid, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	21.46 ng	589591	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	78
2	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	43
3	Pentanoic acid	102	C5H10O2	000109-52-4	42
4	Heptanoic acid	130	C7H14O2	000111-14-8	39
5	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
Data File : BF095039.D
Acq On : 10 May 2017 00:24
Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

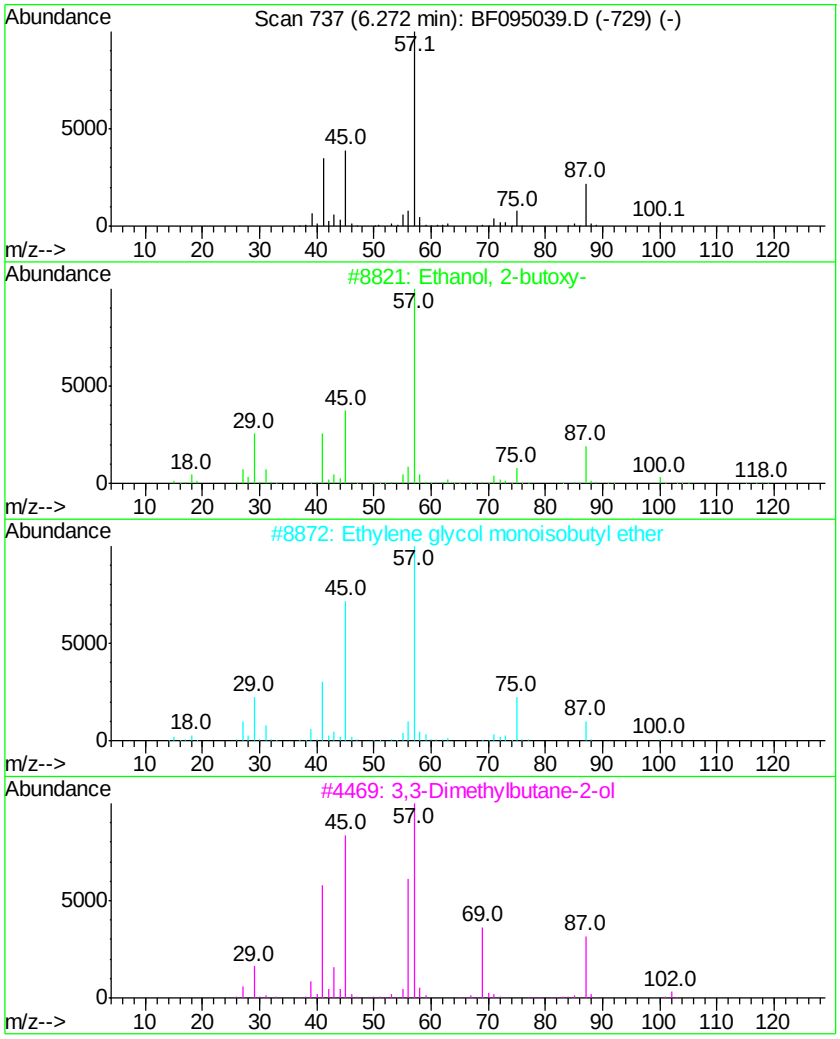
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

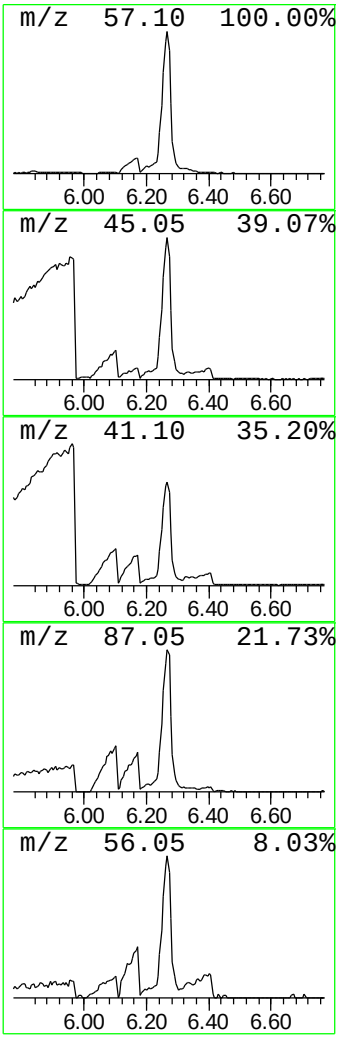
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	35.59 ng	977952	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	91
2	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	38
3	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	38
4	n-Butyl ether	130	C8H18O	000142-96-1	25
5	1-Butene, 4-butoxy-	128	C8H16O	034061-76-2	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
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Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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TIC Library : C:\DATABASE\NIST11.L
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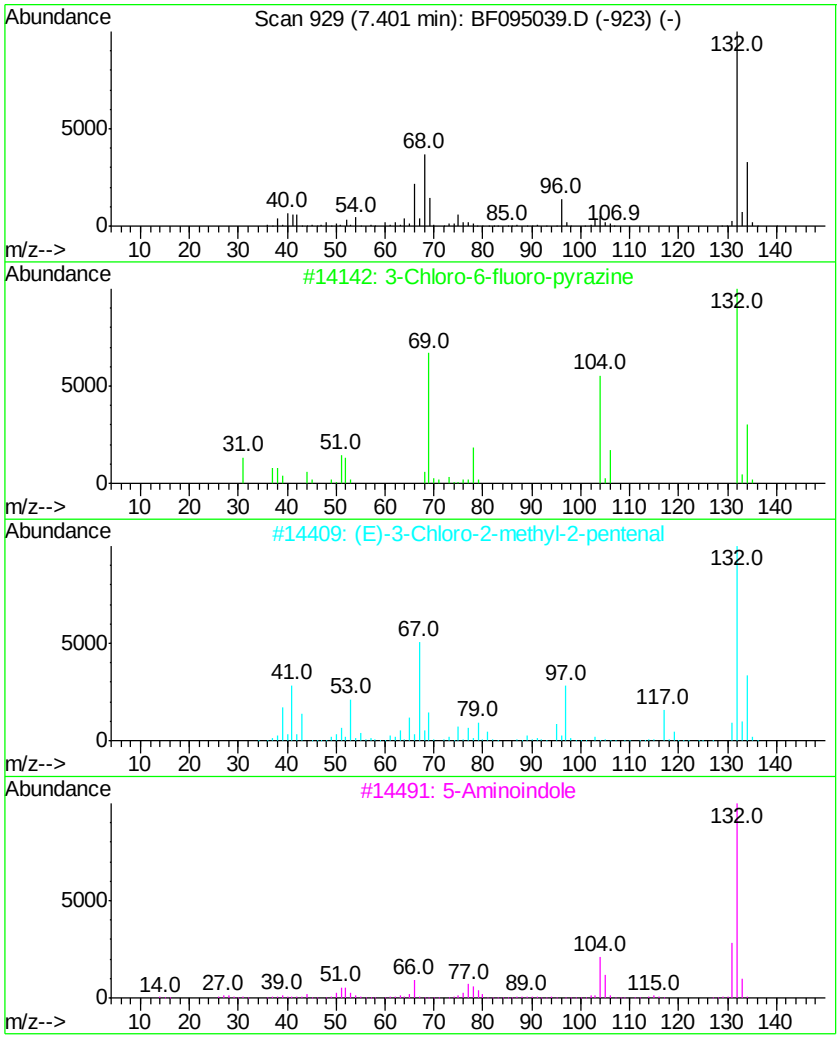
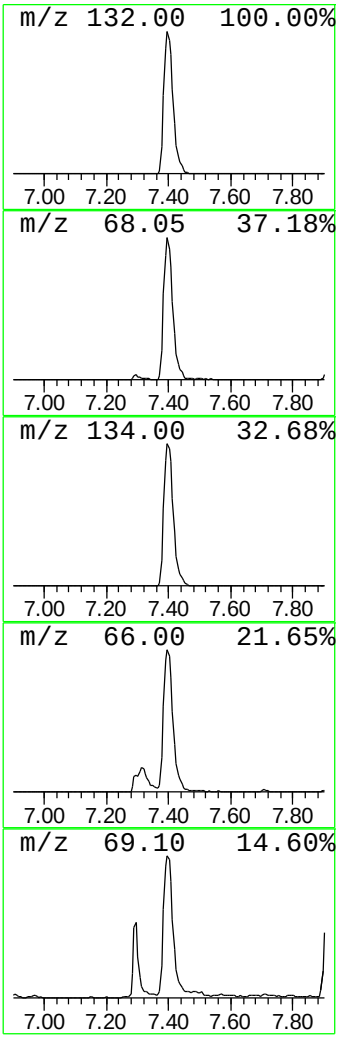
****

Peak Number 3 unknown7.40 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	74.50 ng	2047060	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

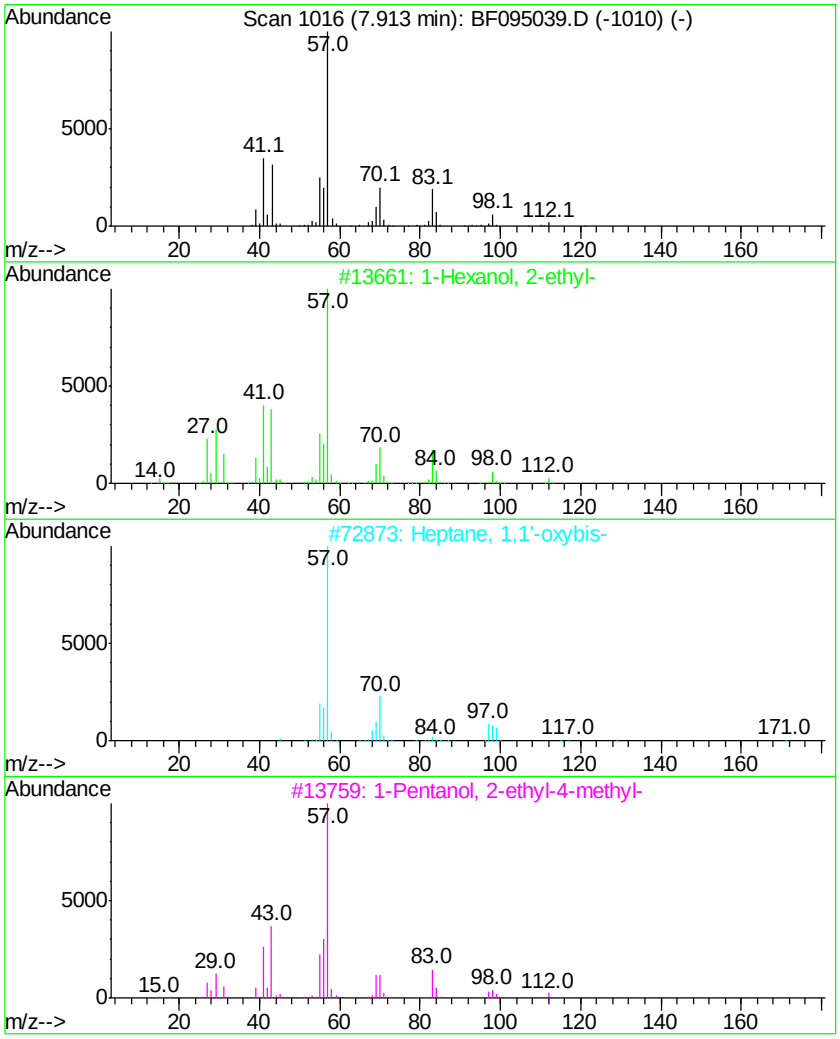
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

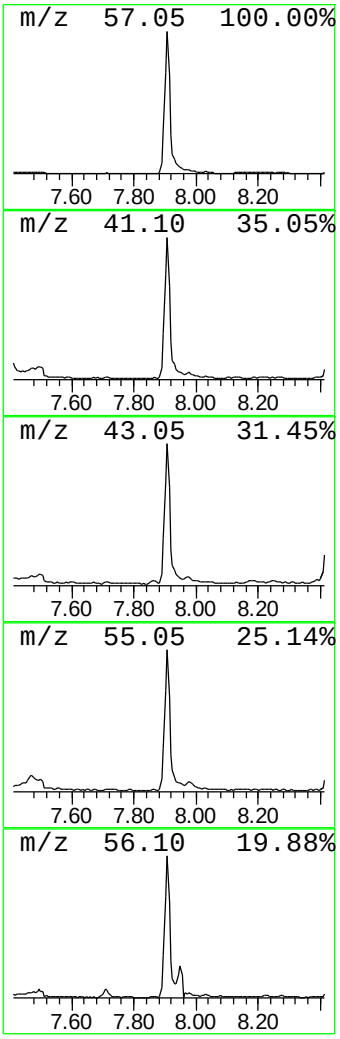
****

Peak Number 4 1-Hexanol, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	39.41 ng	1083020	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	64
3	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	59
4	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	53
5	2-Ethyl-1-hexanol, methyl ether	144	C9H20O	1000365-10-2	53





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Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

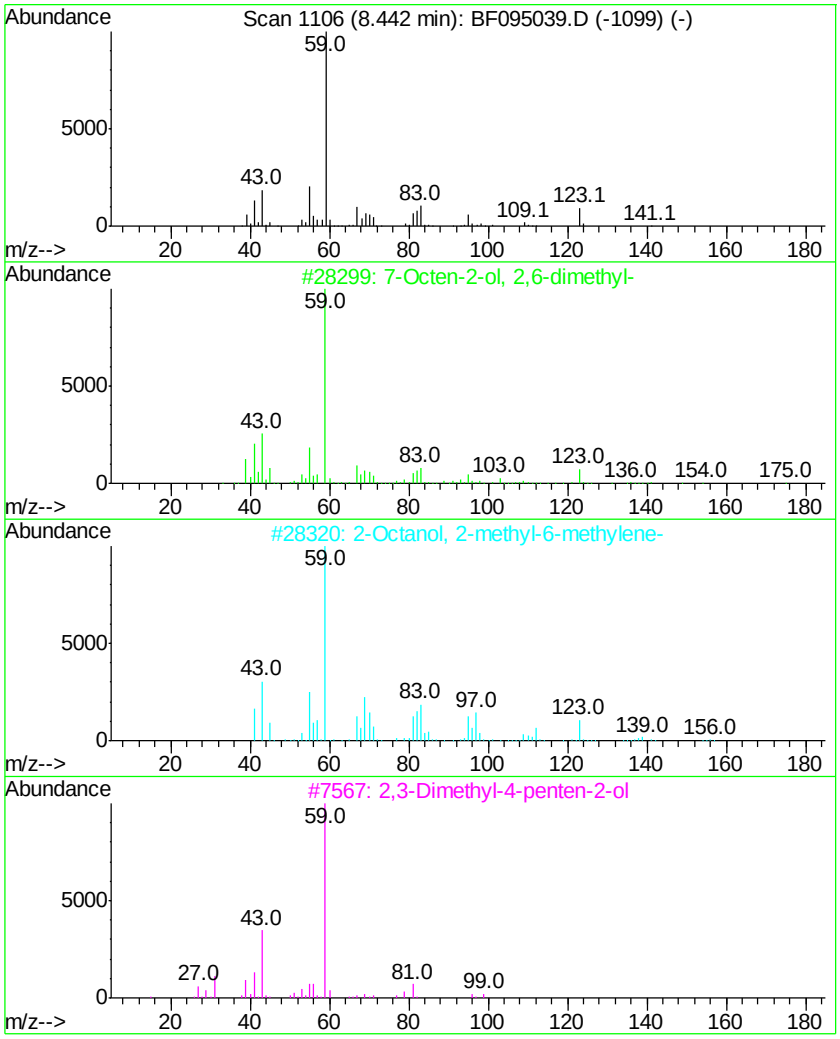
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

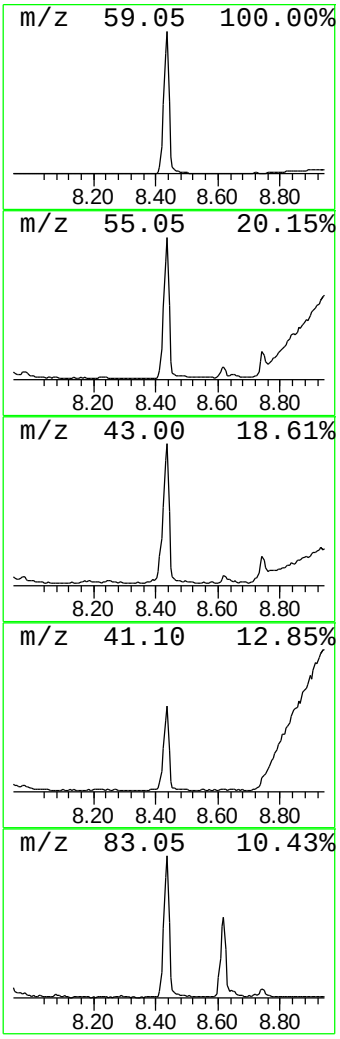
****

Peak Number 6 7-Octen-2-ol, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	53.64 ng	1473830	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	83
2	2-Octanol, 2-methyl-6-methylene-	156	C10H20O	018479-59-9	74
3	2,3-Dimethyl-4-penten-2-ol	114	C7H14O	019781-52-3	40
4	Ethane, (chloromethoxy)-	94	C3H7ClO	003188-13-4	40
5	Cyclooctanemethanol, .alpha.,.al...	170	C11H22O	016624-06-9	39





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Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

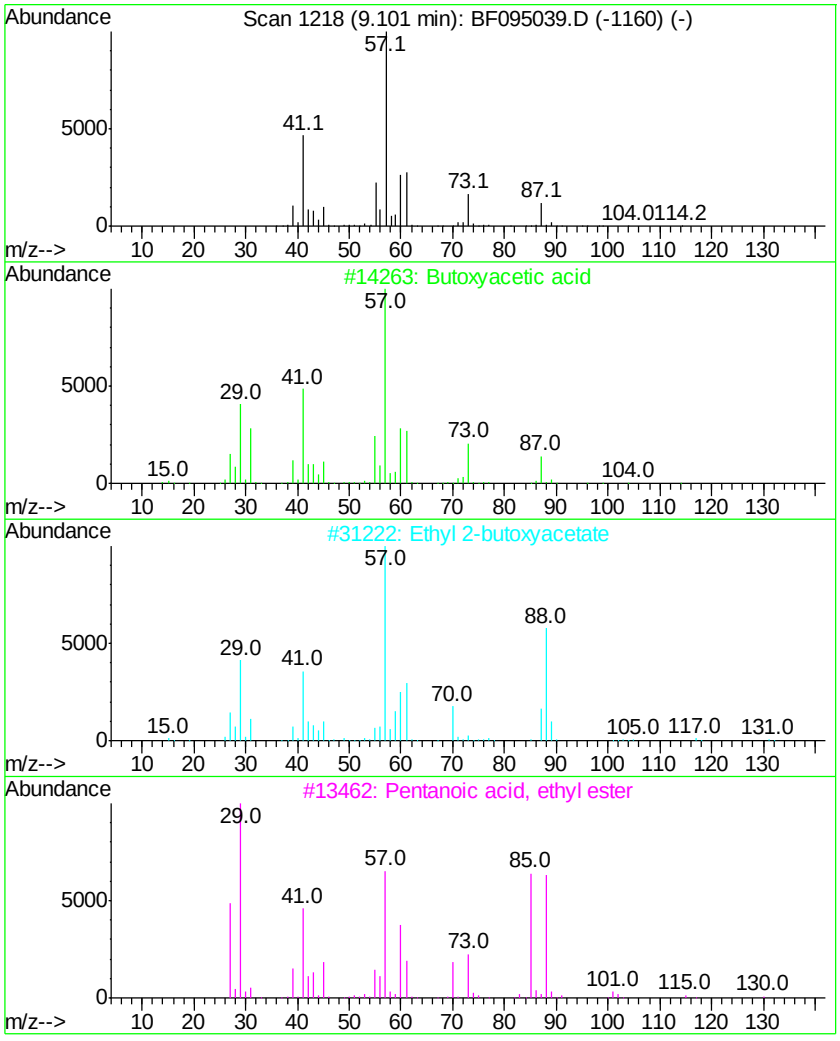
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

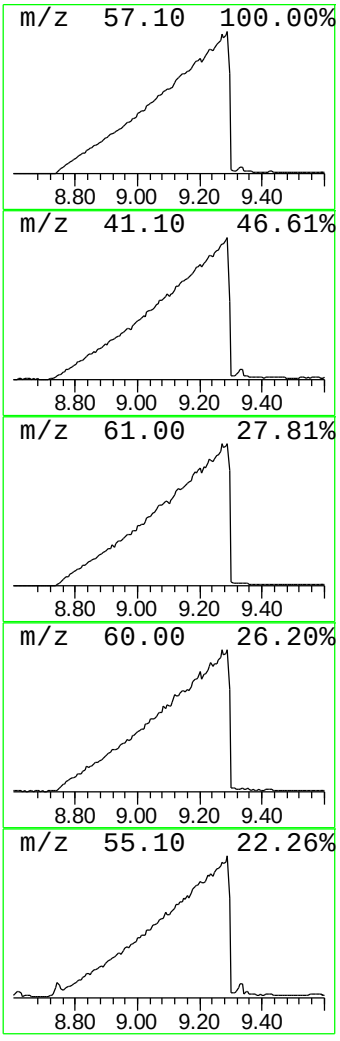
****

Peak Number 7 Butoxyacetic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	206.08 ng	14204900	Naphthalene-d8	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butoxyacetic acid	132	C6H12O3	002516-93-0	64
2	Ethyl 2-butoxyacetate	160	C8H16O3	1000366-89-3	53
3	Pentanoic acid, ethyl ester	130	C7H14O2	000539-82-2	37
4	1-Propanol, 2,2-dimethyl-	88	C5H12O	000075-84-3	30
5	Butyl glycolate	132	C6H12O3	007397-62-8	25





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Data File : BF095039.D
Acq On : 10 May 2017 00:24
Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

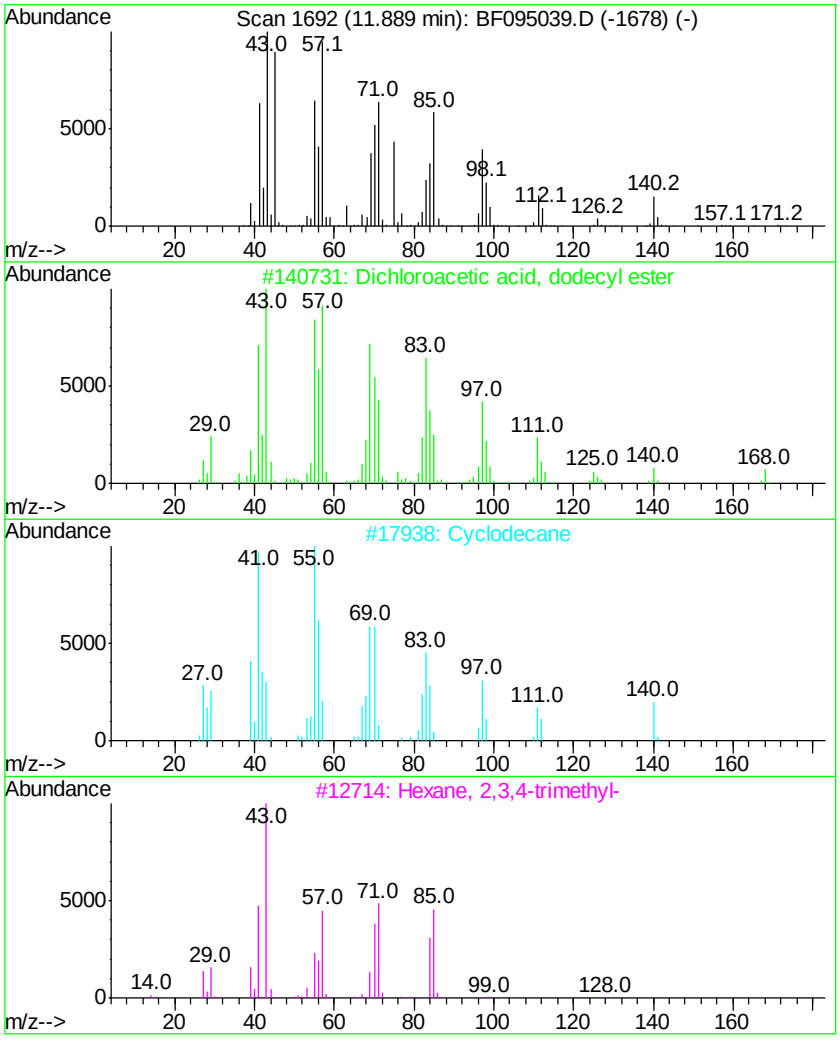
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

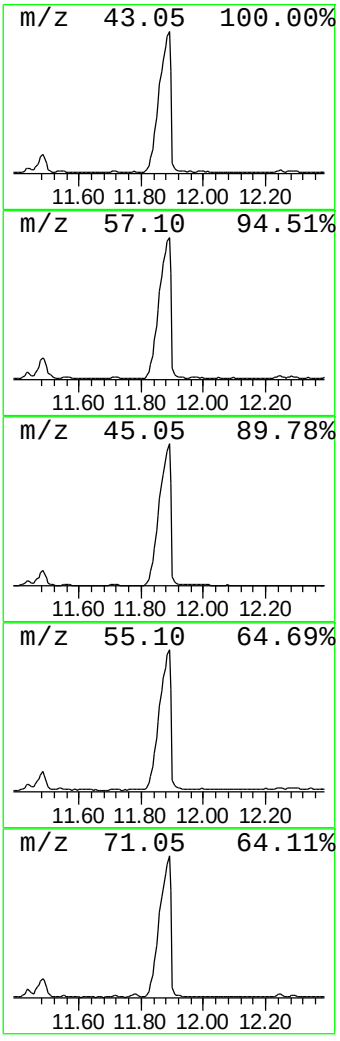
****

Peak Number 8 Dichloroacetic acid, dodecy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	281.20 ng	13603800	Acenaphthene-d10	12.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, dodecyl ester	296	C14H26Cl2O2	083005-01-0	43
2	Cyclodecane	140	C10H20	000293-96-9	38
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	27
4	2-Octanol, (S)-	130	C8H18O	006169-06-8	27
5	Propanoic acid, octyl ester	186	C11H22O2	000142-60-9	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
Data File : BF095039.D
Acq On : 10 May 2017 00:24
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Sample : I3033-02
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Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

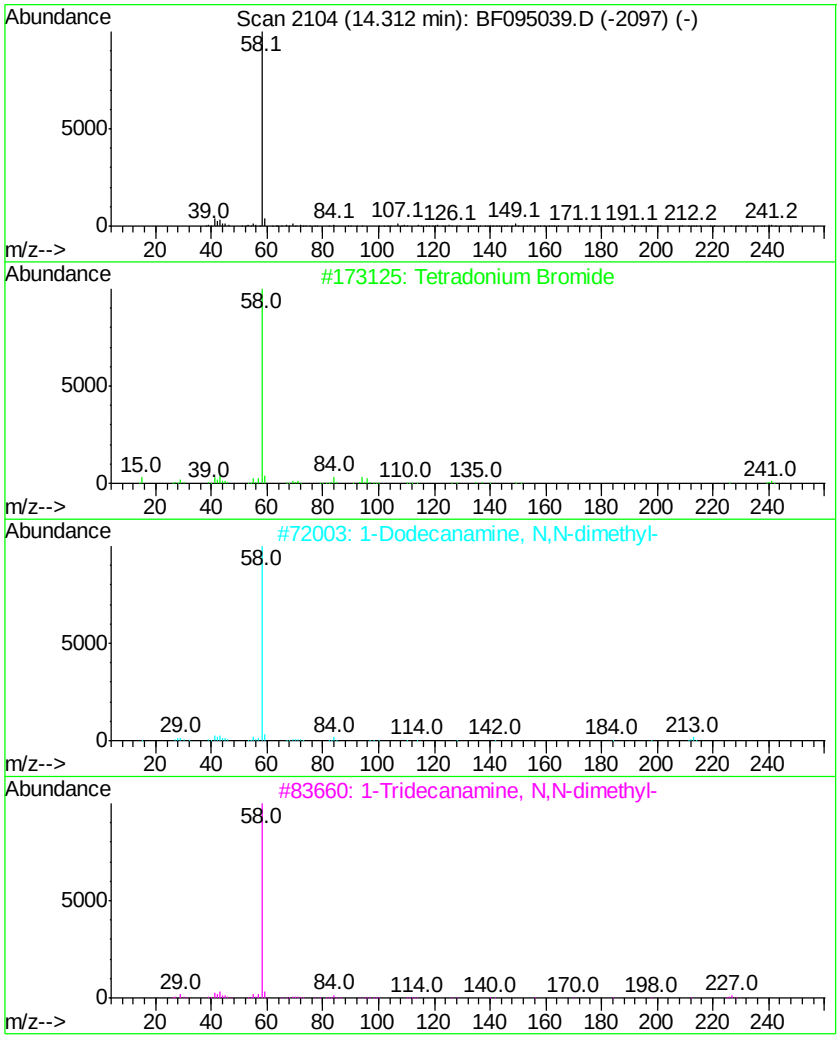
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

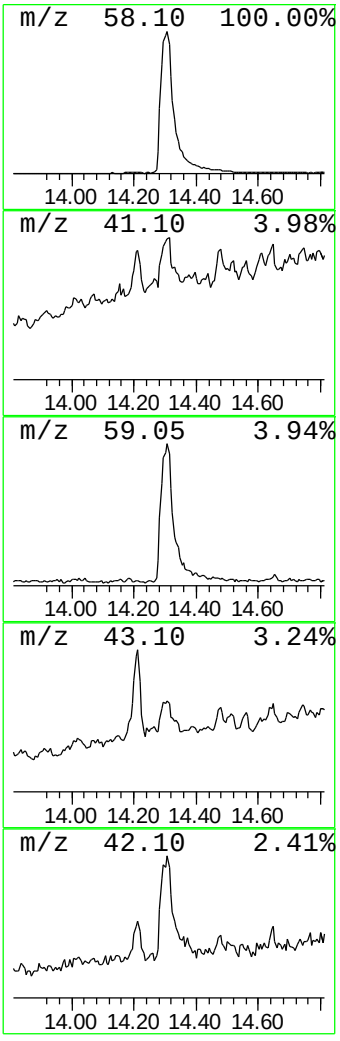
****

Peak Number 9 Tetradonium Bromide Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	22.86 ng	1344020	Phenanthrene-d10	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradonium Bromide	335	C17H38BrN	001119-97-7	78
2	1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	72
3	1-Tridecanamine, N,N-dimethyl-	227	C15H33N	017373-29-4	64
4	1-Decanamine, N,N-dimethyl-	185	C12H27N	001120-24-7	64
5	Benzyldimethyltetradecylammonium...	367	C23H42ClN	000139-08-2	56





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Data File : BF095039.D
Acq On : 10 May 2017 00:24
Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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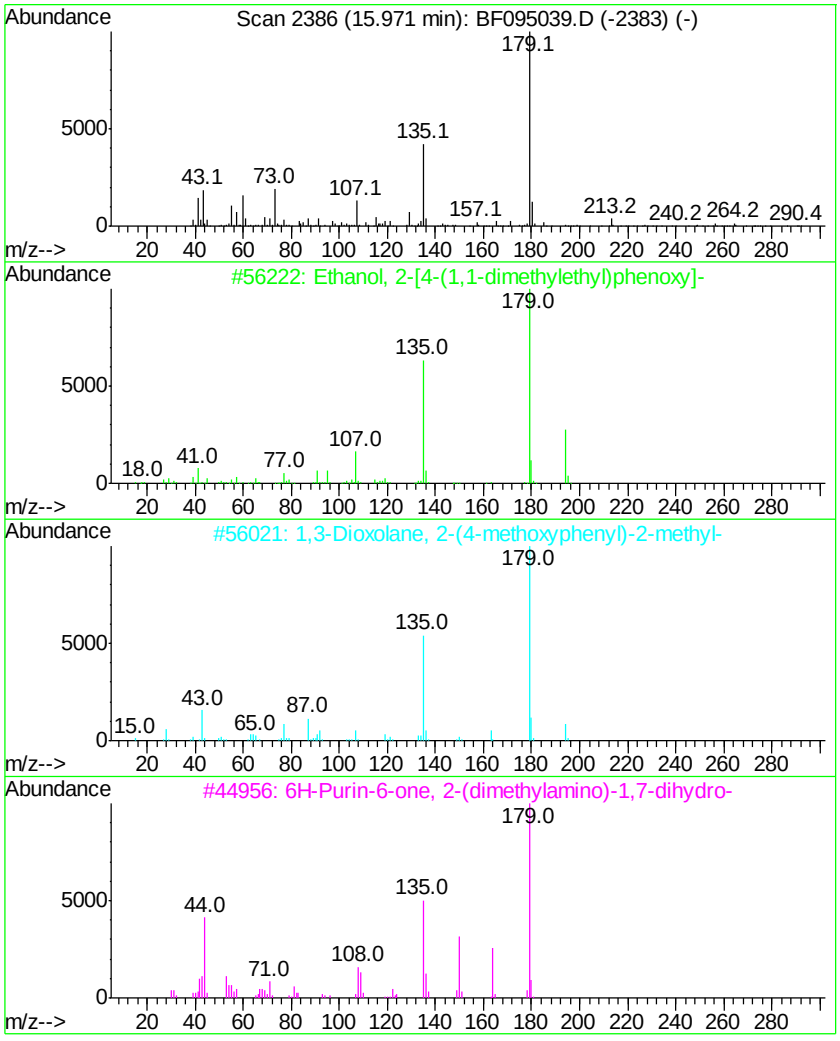
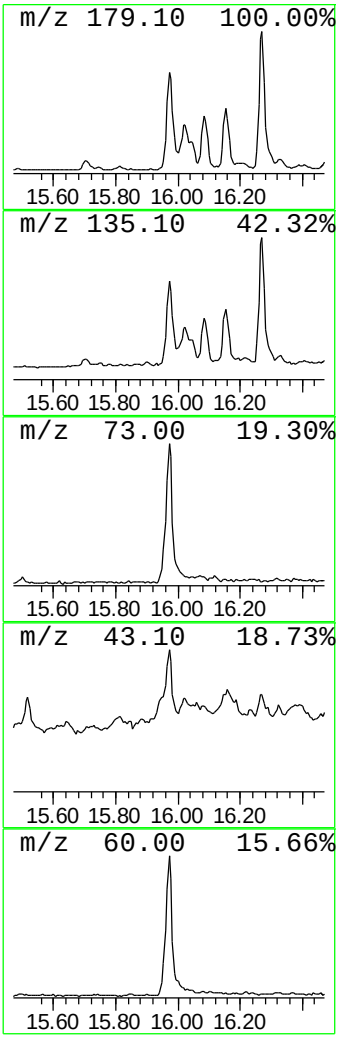
Peak Number 10 unknown15.97 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	16.58 ng	975069	Phenanthrene-d10	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[4-(1,1-dimethylethyl...	194	C12H18O2	000713-46-2	43
2	1,3-Dioxolane, 2-(4-methoxyphenyl...	194	C11H14O3	036881-00-2	42
3	6H-Purin-6-one, 2-(dimethylamino...	179	C7H9N5O	001445-15-4	36
4	[2-(4-Methoxy-phenyl)-[1,3]dioxo...	238	C12H14O5	1000193-22-2	36
5	4-Butylbenzoic acid, pentadecyl ...	388	C26H44O2	1000292-32-8	32





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Acq On : 10 May 2017 00:24
Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

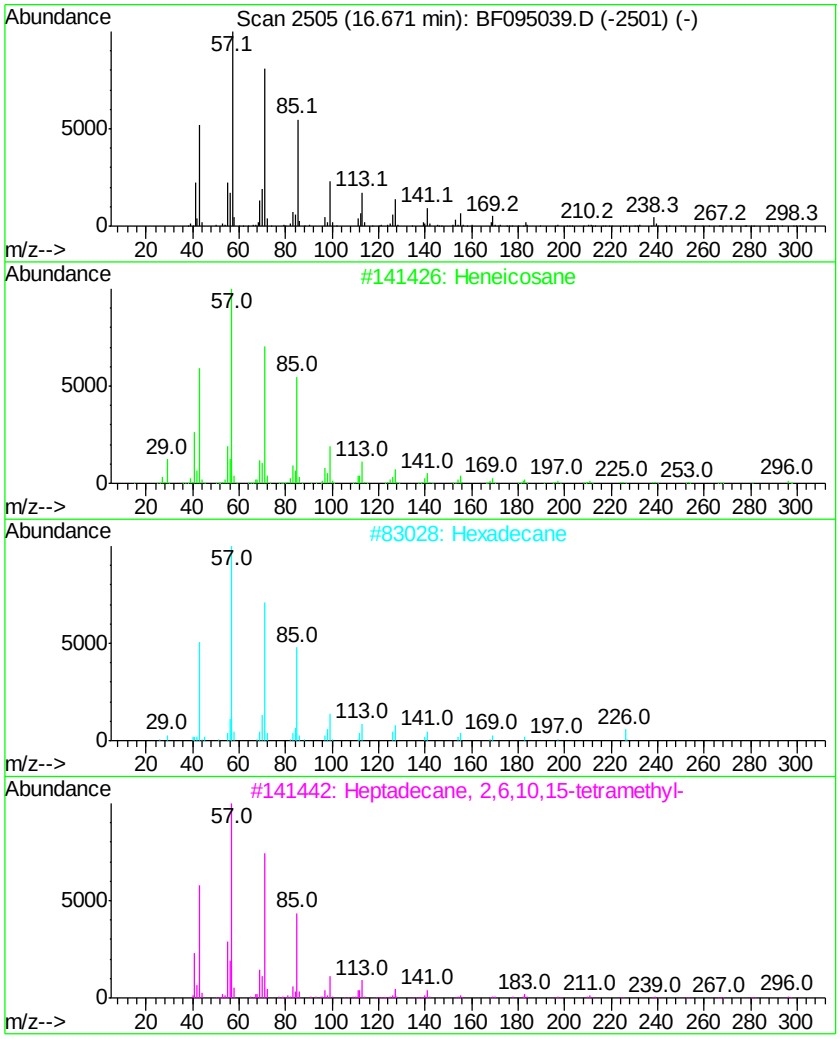
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

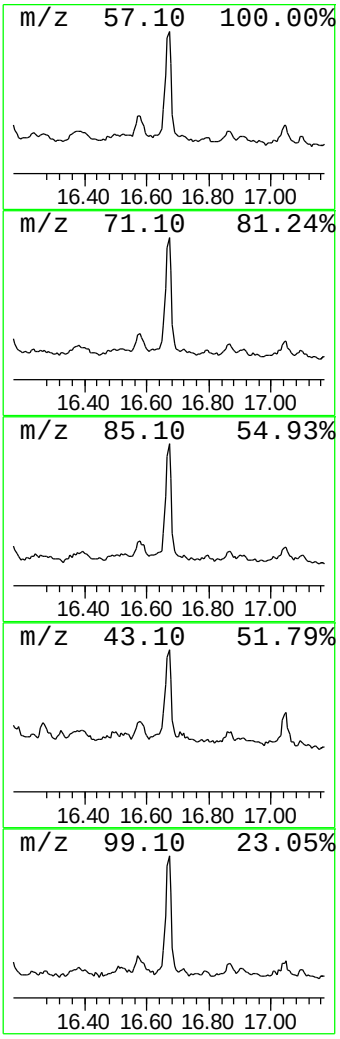
****

Peak Number 11 Heneicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	18.65 ng	1096370	Phenanthrene-d10	14.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Hexadecane	226	C16H34	000544-76-3	86
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
4	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	74
5	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	64





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Acq On : 10 May 2017 00:24
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Sample : I3033-02
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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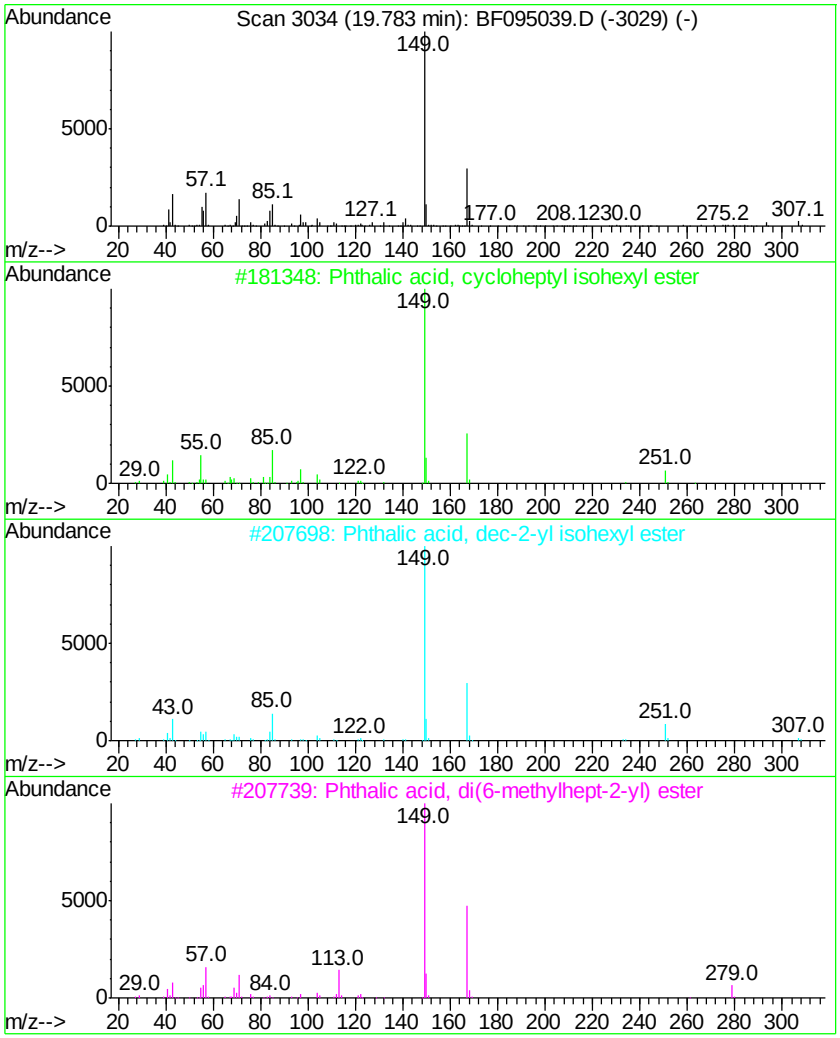
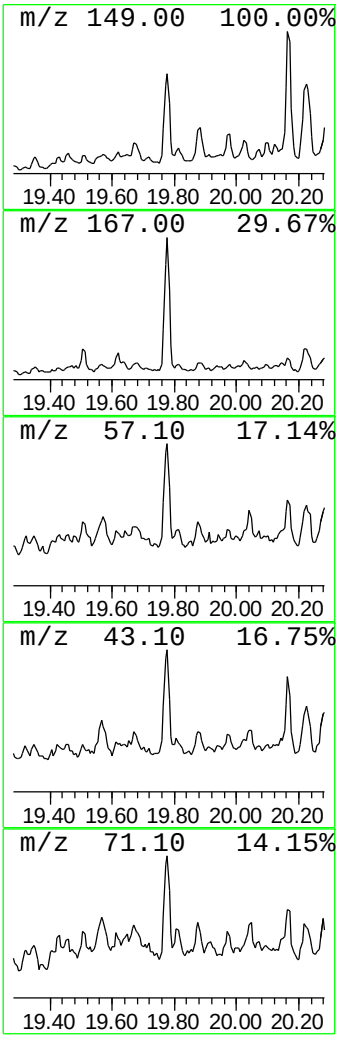
Peak Number 12 Phthalic acid, cycloheptyl ... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.78	17.93 ng	564431	Perylene-d12	20.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, cycloheptyl isohe...	346	C21H30O4	1000322-83-1	80
2	Phthalic acid, dec-2-yl isohexyl...	390	C24H38O4	1000356-94-1	78
3	Phthalic acid, di(6-methylhept-2...	390	C24H38O4	1000377-97-3	72
4	Phthalic acid, hept-4-yl isohexy...	348	C21H32O4	1000356-78-6	72
5	Phthalic acid, di(2-propylpentyl...	390	C24H38O4	1000377-93-5	72





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Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

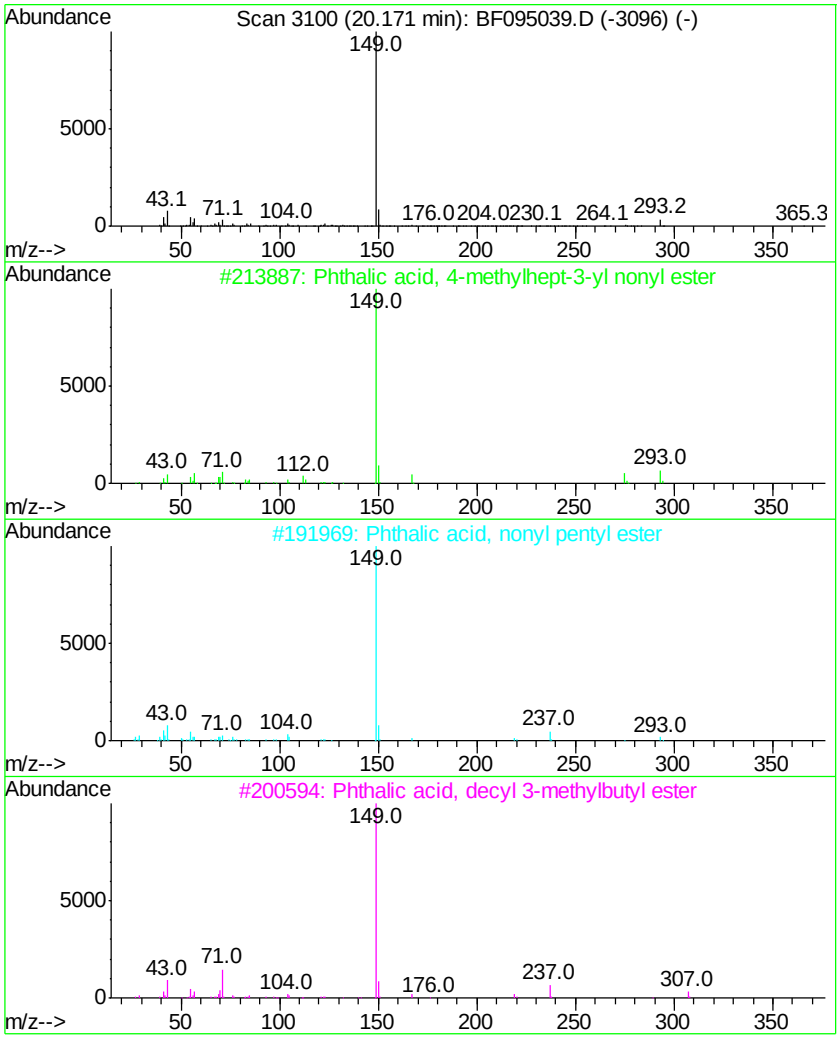
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

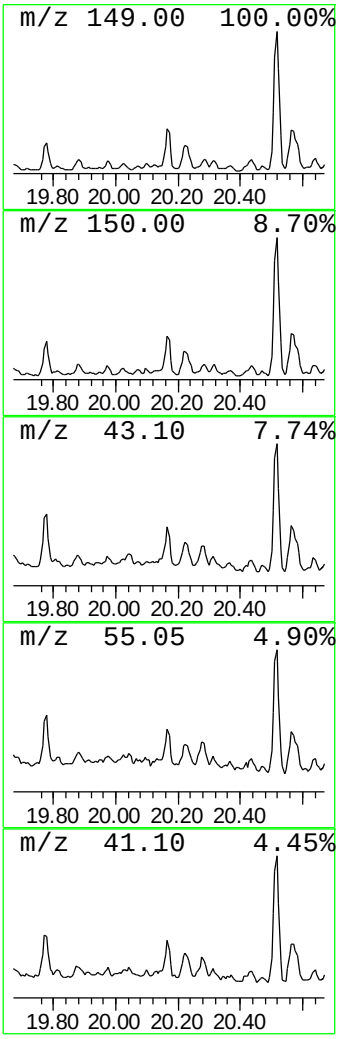
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phthalic acid, 4-methylhept... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	14.72 ng	463297	Perylene-d12	20.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 4-methylhept-3-yl...	404	C25H40O4	1000377-94-4	78
2	Phthalic acid, nonyl pentyl ester	362	C22H34O4	1000308-93-1	72
3	Phthalic acid, decyl 3-methylbut...	376	C23H36O4	1000356-81-1	72
4	Phthalic acid, butyl 6-methylhep...	334	C20H30O4	1000377-95-8	72
5	Phthalic acid, 6-methylhept-2-yl...	348	C21H32O4	1000377-95-9	72





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Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

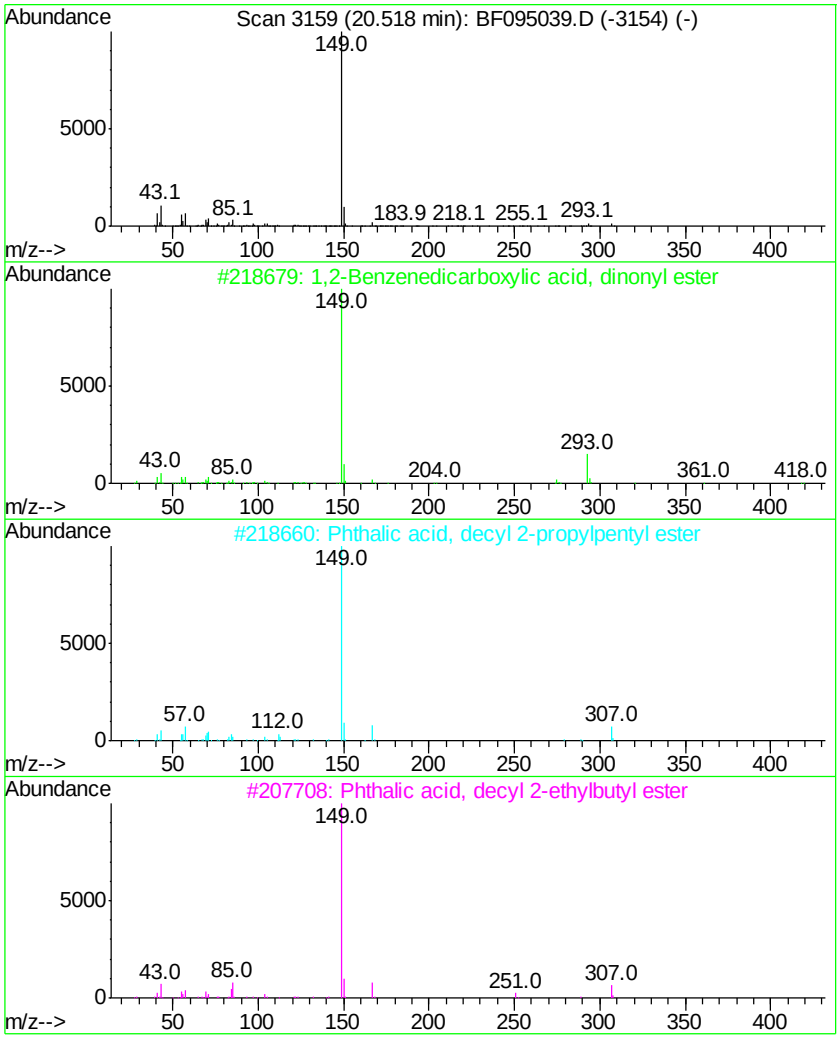
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

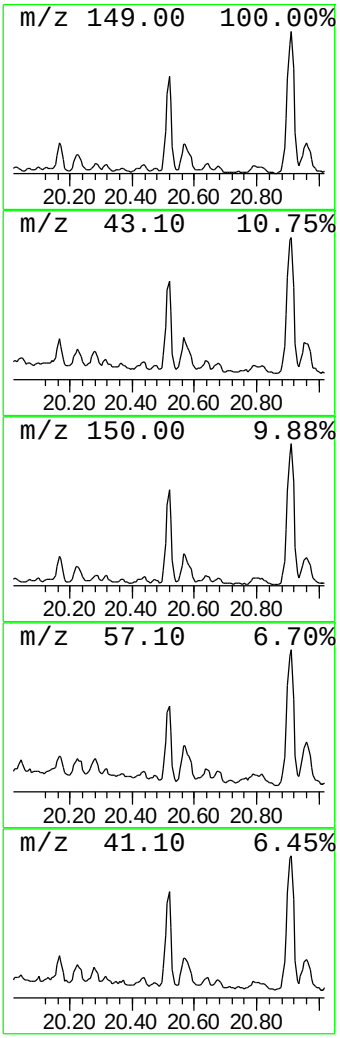
****

Peak Number 14 1,2-Benzenedicarboxylic aci... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	53.72 ng	1690520	Perylene-d12	20.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	83
2	Phthalic acid, decyl 2-propylpen...	418	C26H42O4	1000377-92-6	78
3	Phthalic acid, decyl 2-ethylbutyl...	390	C24H38O4	1000356-89-5	78
4	Phthalic acid, decyl hept-3-yl e...	404	C25H40O4	1000356-99-4	78
5	Phthalic acid, 6-ethyl-3-octyl p...	376	C23H36O4	1000315-17-5	72





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Acq On : 10 May 2017 00:24
Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

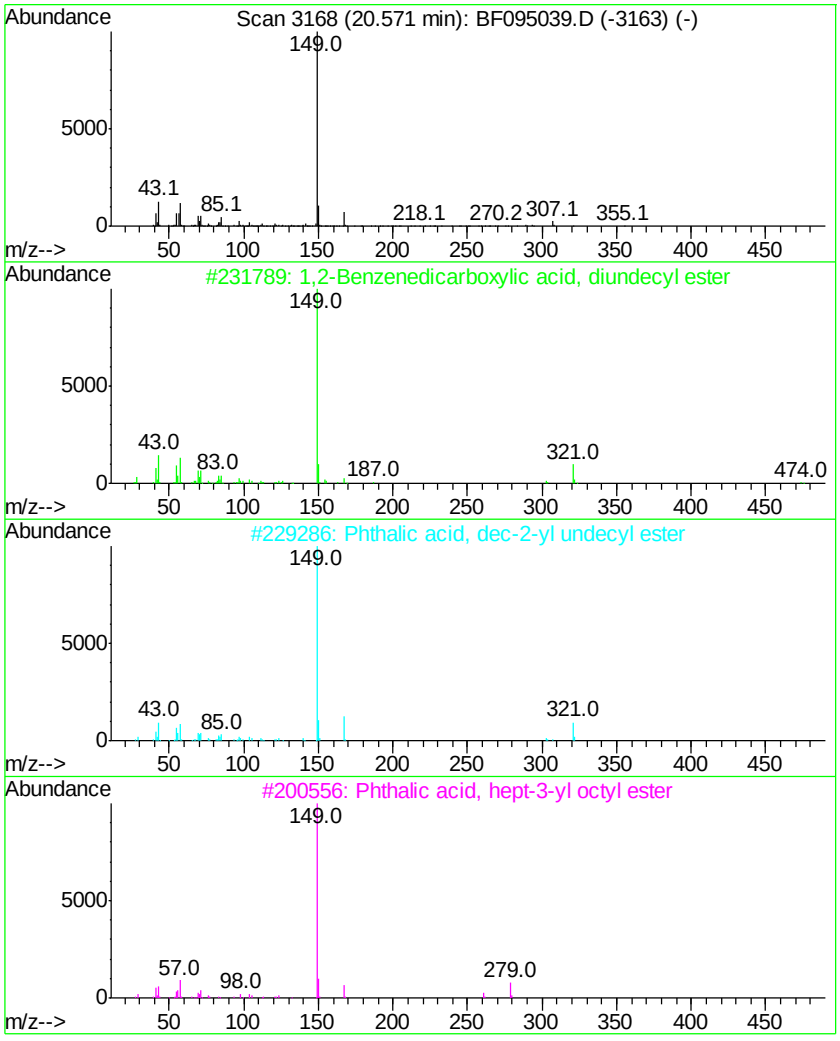
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

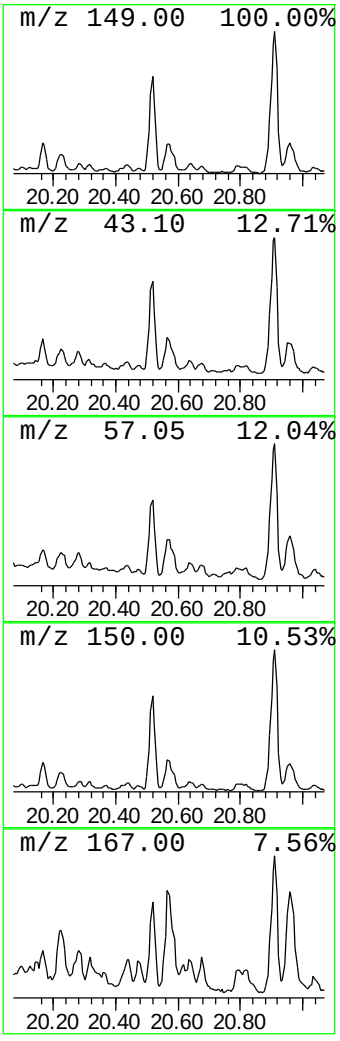
****

Peak Number 15 1,2-Benzenedicarboxylic aci... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	28.15 ng	885925	Perylene-d12	20.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	474	C30H50O4	003648-20-2	80
2	Phthalic acid, dec-2-yl undecyl ...	460	C29H48O4	1000356-94-6	80
3	Phthalic acid, hept-3-yl octyl e...	376	C23H36O4	1000356-99-2	80
4	Phthalic acid, heptyl hept-3-yl ...	362	C22H34O4	1000356-99-1	80
5	Phthalic acid, decyl dec-2-yl ester	446	C28H46O4	1000356-94-5	80





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Acq On : 10 May 2017 00:24
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Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

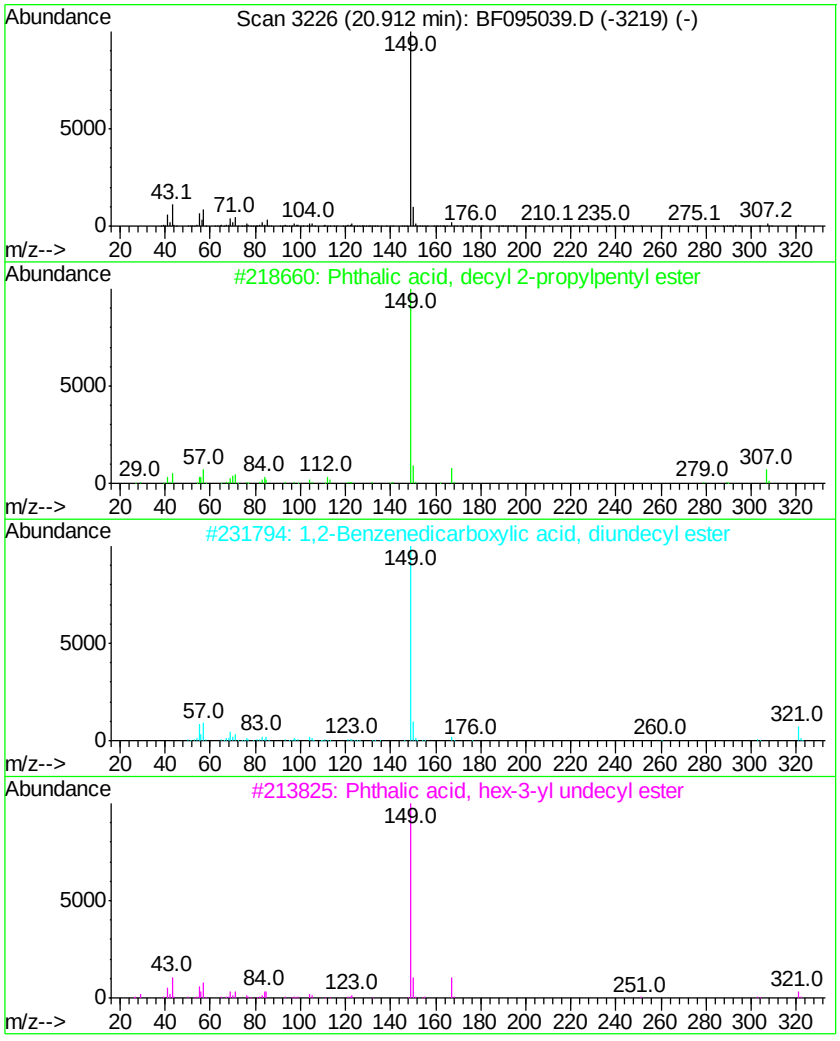
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

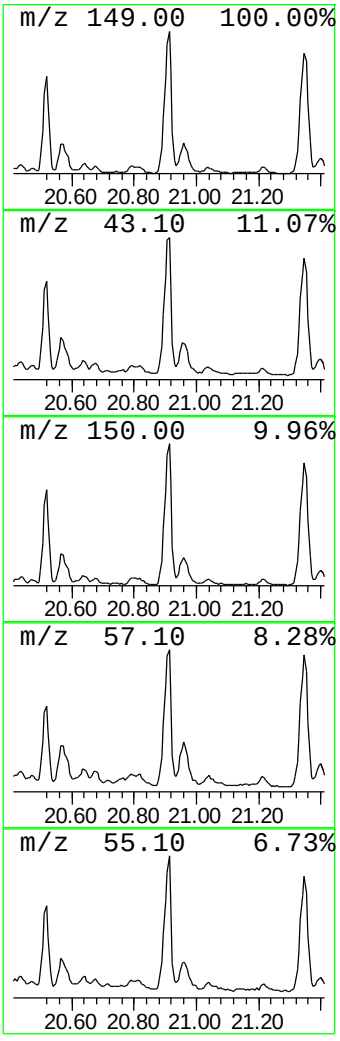
****

Peak Number 16 Phthalic acid, decyl 2-prop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	103.63 ng	3261190	Perylene-d12	20.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, decyl 2-propylpen...	418	C26H42O4	1000377-92-6	86
2	1,2-Benzenedicarboxylic acid, di...	474	C30H50O4	003648-20-2	80
3	Phthalic acid, hex-3-yl undecyl ...	404	C25H40O4	1000356-96-2	80
4	Phthalic acid, butyl 6-methylhep...	334	C20H30O4	1000377-95-8	78
5	Phthalic acid, decyl 2-ethylbuty...	390	C24H38O4	1000356-89-5	78





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Acq On : 10 May 2017 00:24
Operator : SJ/MA
Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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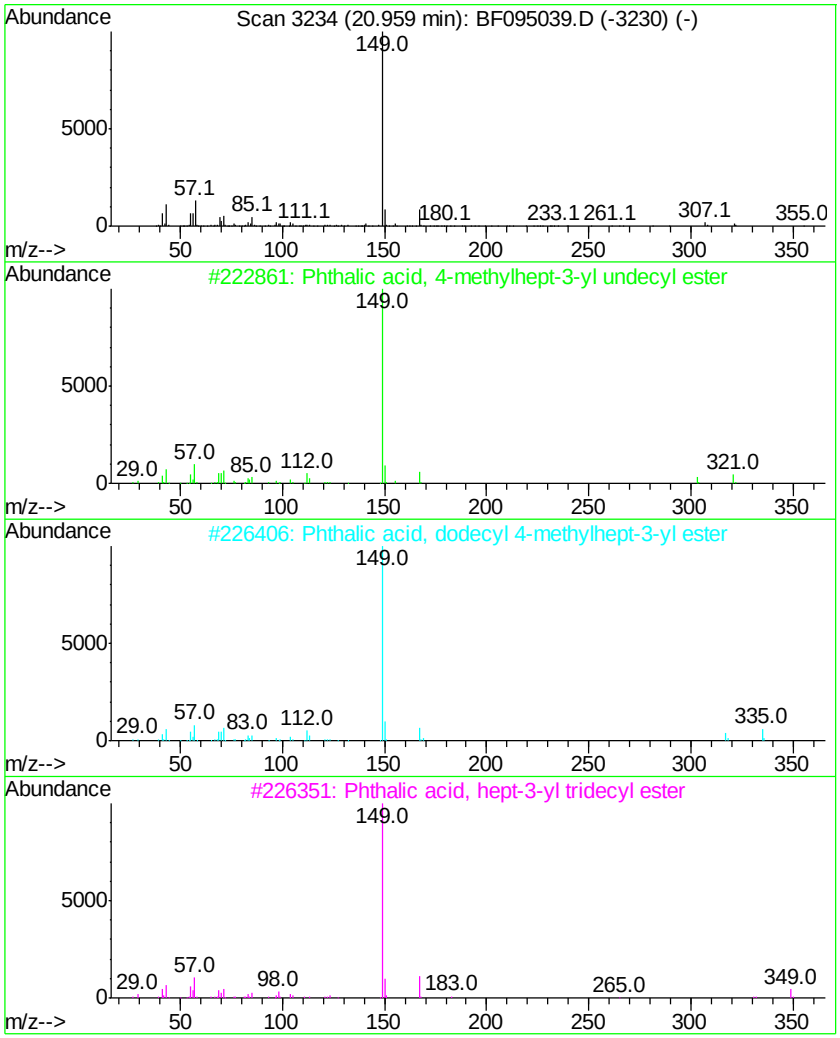
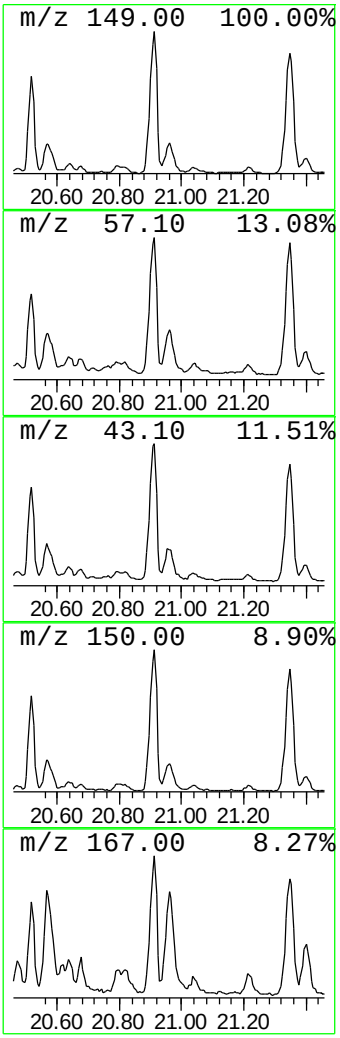
Peak Number 17 Phthalic acid, 4-methylhept... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	31.38 ng	987677	Perylene-d12	20.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 4-methylhept-3-yl...	432	C27H44O4	1000377-94-6	86
2	Phthalic acid, dodecyl 4-methylh...	446	C28H46O4	1000377-94-7	86
3	Phthalic acid, hept-3-yl tridecy...	446	C28H46O4	1000356-99-7	80
4	Phthalic acid, dec-2-yl undecyl ...	460	C29H48O4	1000356-94-6	80
5	Didodecyl phthalate	502	C32H54O4	002432-90-8	80





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Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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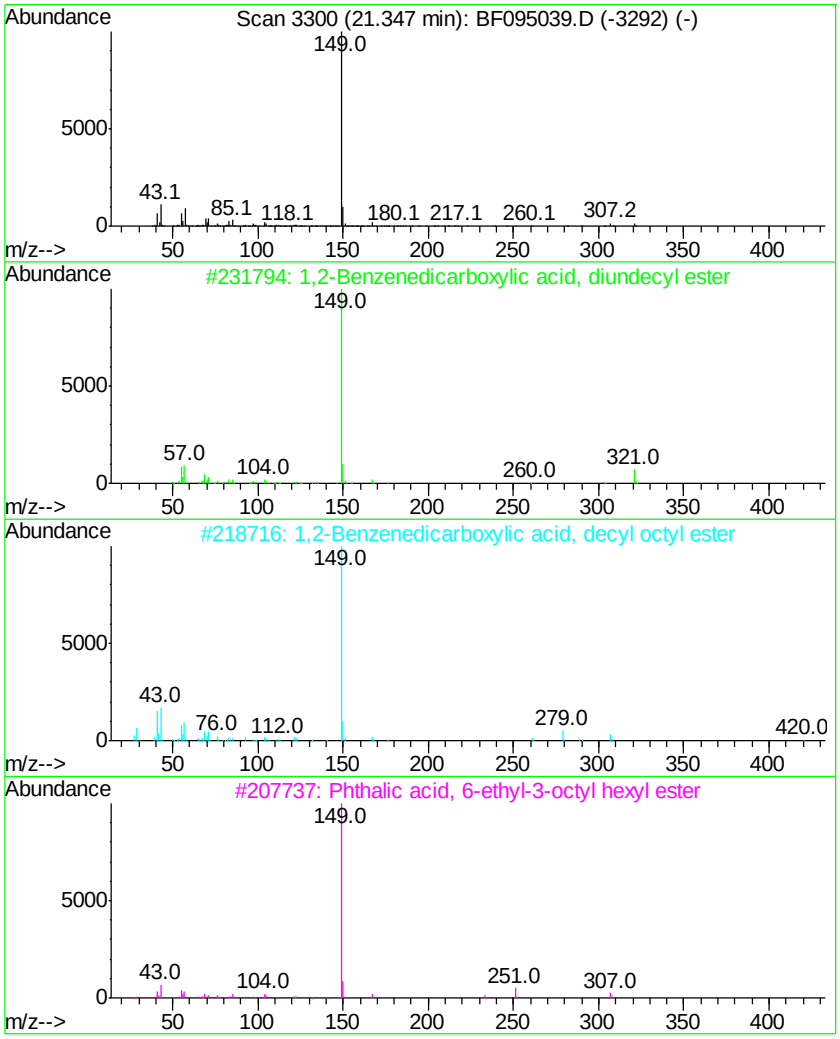
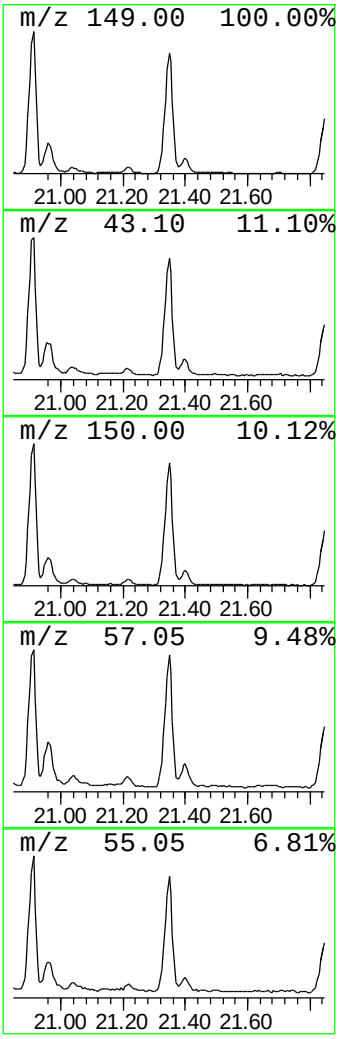
Peak Number 18 1,2-Benzenedicarboxylic aci... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.35	103.13 ng	3245530	Perylene-d12	20.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	474	C30H50O4	003648-20-2	86
2	1,2-Benzenedicarboxylic acid, de...	418	C26H42O4	000119-07-3	78
3	Phthalic acid, 6-ethyl-3-octyl h...	390	C24H38O4	1000315-17-6	78
4	Phthalic acid, decyl 2-ethylbutyl...	390	C24H38O4	1000356-89-5	78
5	Phthalic acid, hept-4-yl nonyl e...	390	C24H38O4	1000356-79-0	72





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Sample : I3033-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER-COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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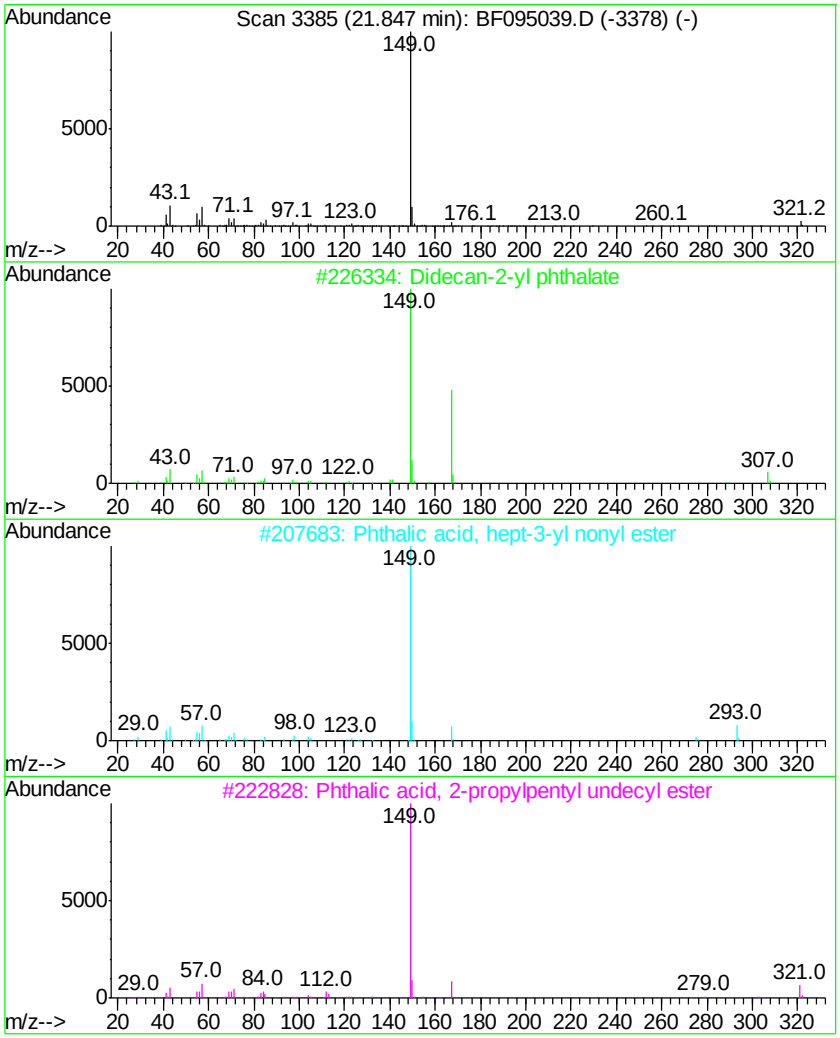
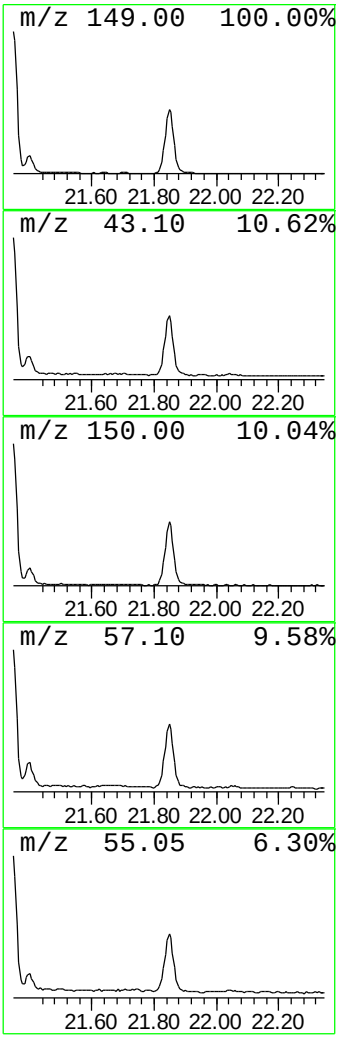
Peak Number 20 Didecan-2-yl phthalate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.85	55.49 ng	1746360	Perylene-d12	20.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Didecan-2-yl phthalate	446	C28H46O4	028029-89-2	86
2	Phthalic acid, hept-3-yl nonyl e...	390	C24H38O4	1000356-99-3	86
3	Phthalic acid, 2-propylpentyl un...	432	C27H44O4	1000377-92-7	83
4	Phthalic acid, 2-ethylbutyl unde...	404	C25H40O4	1000356-89-6	83
5	Phthalic acid, butyl 2-propylpen...	334	C20H30O4	1000377-92-0	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050917\
Data File : BF095039.D
Acq On : 10 May 2017 00:24
Operator : SJ/MA
Sample : I3033-02
Misc :
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Instrument : BNA_F
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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
Butanoic acid, 3-...	6.10	21.5	ng	589591	1	7.71	549559	20.0
Ethanol, 2-butoxy-	6.27	35.6	ng	977952	1	7.71	549559	20.0
unknown7.40	7.40	74.5	ng	2047060	1	7.71	549559	20.0
1-Hexanol, 2-ethyl-	7.91	39.4	ng	1083020	1	7.71	549559	20.0
7-Octen-2-ol, 2,6...	8.44	53.6	ng	1473830	1	7.71	549559	20.0
Butoxyacetic acid	9.10	206.1	ng	14204900	2	9.74	1378610	20.0
Dichloroacetic ac...	11.89	281.2	ng	13603800	3	12.57	967552	20.0
Tetradonium Bromide	14.31	22.9	ng	1344020	4	14.98	1175960	20.0
unknown15.97	15.97	16.6	ng	975069	4	14.98	1175960	20.0
Heneicosane	16.67	18.6	ng	1096370	4	14.98	1175960	20.0
Phthalic acid, cy...	19.78	17.9	ng	564431	6	20.30	629421	20.0
Phthalic acid, 4-...	20.17	14.7	ng	463297	6	20.30	629421	20.0
1,2-Benzenedicarb...	20.52	53.7	ng	1690520	6	20.30	629421	20.0
1,2-Benzenedicarb...	20.57	28.1	ng	885925	6	20.30	629421	20.0
Phthalic acid, de...	20.91	103.6	ng	3261190	6	20.30	629421	20.0
Phthalic acid, 4-...	20.96	31.4	ng	987677	6	20.30	629421	20.0
1,2-Benzenedicarb...	21.35	103.1	ng	3245530	6	20.30	629421	20.0
Didecan-2-yl phth...	21.85	55.5	ng	1746360	6	20.30	629421	20.0