LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001231.D
Acq On : 06 Dec 2019 15:55
Operator : JU
Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

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_P\METHODS\8270-BP112719.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	4.940	476	485	497	rVB	282620	436463	9.07%	1.237%
2	5.611	595	599	613	rVB	167152	246865	5.13%	0.700%
3	6.211	694	701	714	rVB	1253840	1579620	32.83%	4.479%
4	7.746	956	962	971	rBV	940974	1049655	21.82%	2.976%
5	7.940	989	995	1000	rBV	2248378	2875092	59.75%	8.152%
6	8.305	1052	1057	1064	rBV	473246	550851	11.45%	1.562%
7	8.546	1092	1098	1103	rBV	1957842	2263399	47.04%	6.417%
8	8.981	1167	1172	1184	rVB	221967	267822	5.57%	0.759%
9	9.187	1199	1207	1211	rBV	1727554	2090572	43.45%	5.927%
10	9.305	1223	1227	1231	rBV	60725	66346	1.38%	0.188%
11	10.334	1397	1402	1407	rBV	591167	665013	13.82%	1.886%
12	10.405	1409	1414	1418	rBV	281011	312301	6.49%	0.885%
13	10.581	1439	1444	1449	rBV	707329	858944	17.85%	2.435%
14	10.769	1469	1476	1480	rBV2	38320	55173	1.15%	0.156%
15	11.163	1538	1543	1548	rBV	48777	61422	1.28%	0.174%
16	11.322	1556	1570	1578	rBV	132625	257434	5.35%	0.730%
17	11.422	1583	1587	1595	rVB3	36438	61384	1.28%	0.174%
18	11.657	1620	1627	1636	rVB	119208	157813	3.28%	0.447%
19	12.116	1697	1705	1710	rBV	2980043	3654690	75.96%	10.362%
20	12.369	1743	1748	1754	rBV2	38835	51448	1.07%	0.146%
21	12.781	1814	1818	1823	rVB	124902	136285	2.83%	0.386%
22	13.198	1883	1889	1893	rBV	690174	841729	17.49%	2.387%
23	13.246	1893	1897	1902	rVB	78957	92863	1.93%	0.263%
24	13.534	1942	1946	1951	rVB	43730	49642	1.03%	0.141%
25	13.875	1999	2004	2009	rBV	135056	159218	3.31%	0.451%
26	14.098	2037	2042	2049	rVB2	42167	63381	1.32%	0.180%
27	14.493	2102	2109	2120	rBV	2287733	3016961	62.70%	8.554%
28	14.651	2131	2136	2141	rBV	151946	195865	4.07%	0.555%
29	14.716	2141	2147	2151	rVB2	55046	89511	1.86%	0.254%
30	14.904	2170	2179	2185	rVB7	59422	121763	2.53%	0.345%
31	15.463	2270	2274	2280	rBV2	42781	67532	1.40%	0.191%
32	15.592	2291	2296	2301	rVB	795429	917295	19.06%	2.601%
33	16.051	2369	2374	2385	rBV	101757	159329	3.31%	0.452%
34	16.487	2443	2448	2465	rBV	502688	716720	14.90%	2.032%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001231.D
Acq On : 06 Dec 2019 15:55
Operator : JU
Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

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_P\METHODS\8270-BP112719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.575	2628	2633	2642	rBV	346117	457907	9.52%	1.298%
36	17.881	2679	2685	2689	rBV	4075117	4811482	100.00%	13.642%
37	18.251	2744	2748	2755	rVB	56212	66226	1.38%	0.188%
38	18.698	2820	2824	2827	rVB	86658	91639	1.90%	0.260%
39	19.122	2891	2896	2909	rBV	229213	320070	6.65%	0.907%
40	19.233	2910	2915	2920	rBV	825252	886810	18.43%	2.514%
41	19.528	2961	2965	2973	rVB	240425	256353	5.33%	0.727%
42	19.916	3027	3031	3036	rBV	339064	368721	7.66%	1.045%
43	20.292	3091	3095	3105	rVV	465033	508379	10.57%	1.441%
44	20.686	3157	3162	3169	rBV	491509	619341	12.87%	1.756%
45	21.004	3210	3216	3224	rVB	585808	831787	17.29%	2.358%
46	21.122	3230	3236	3250	rVB	471954	687422	14.29%	1.949%
47	21.616	3314	3320	3329	rBV	337240	602626	12.52%	1.709%
48	22.186	3411	3417	3425	rBV	182622	346477	7.20%	0.982%
49	22.857	3523	3531	3539	rBV2	52510	128639	2.67%	0.365%
50	23.369	3610	3618	3632	rBV2	27684	95542	1.99%	0.271%

Sum of corrected areas: 35269822

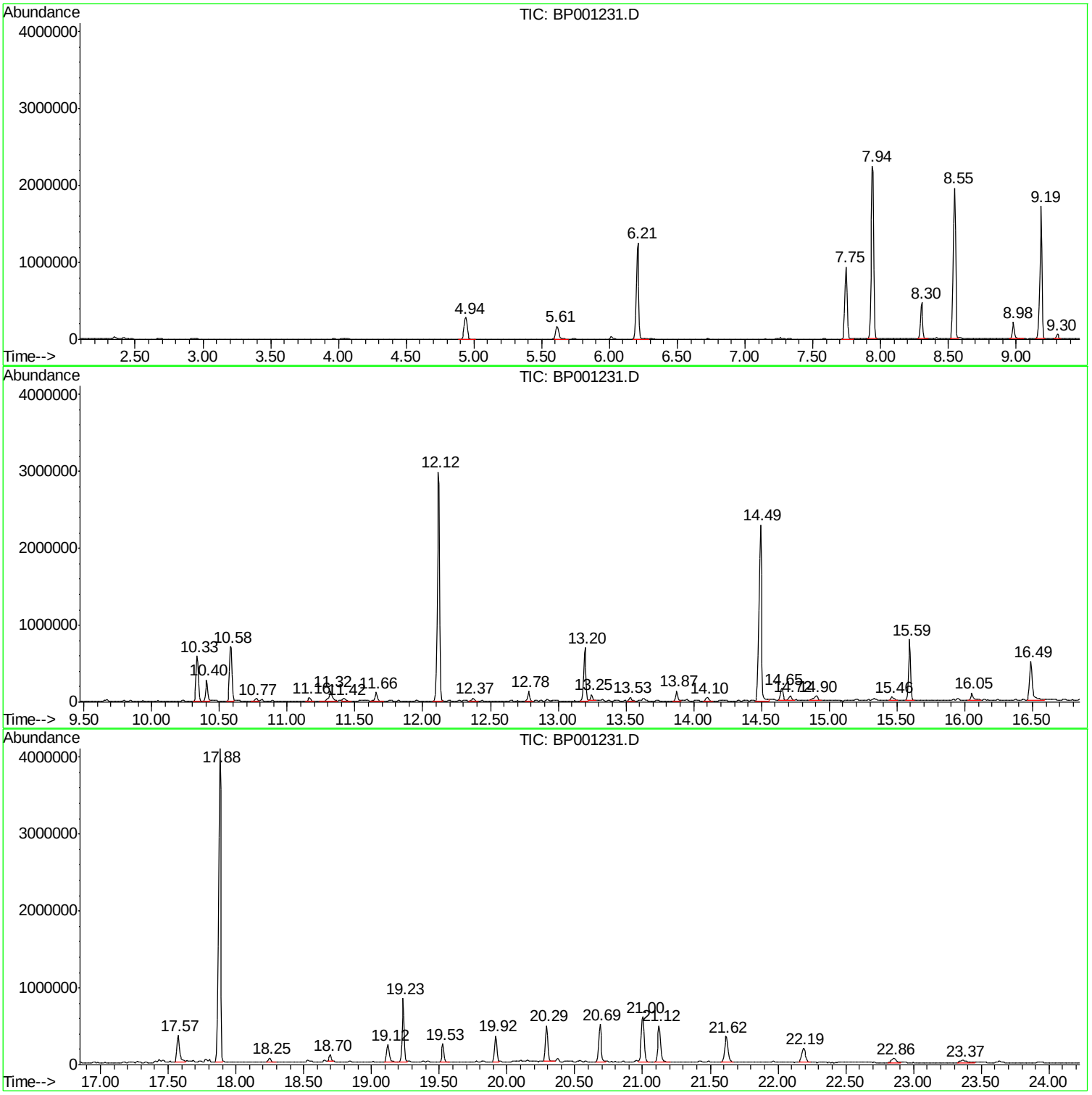
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001231.D
Acq On : 06 Dec 2019 15:55
Operator : JU
Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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 P\DATA\BP120619\
Data File : BP001231.D
Acq On : 06 Dec 2019 15:55
Operator : JU
Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

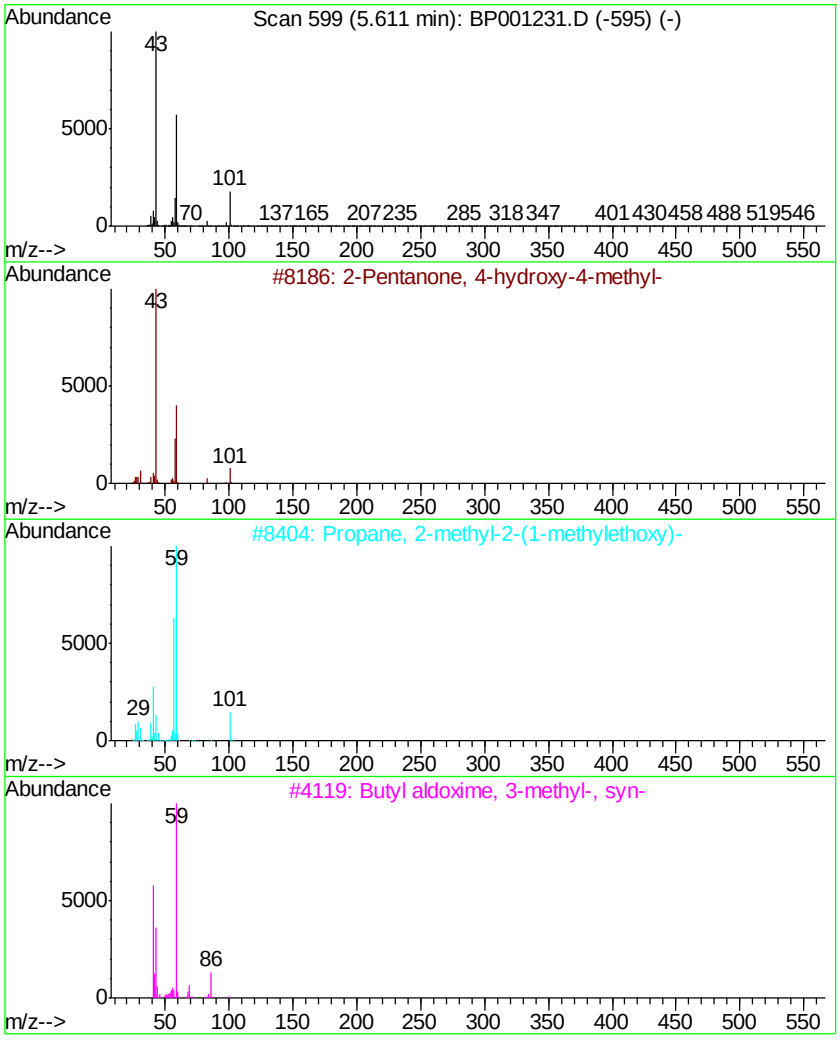
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

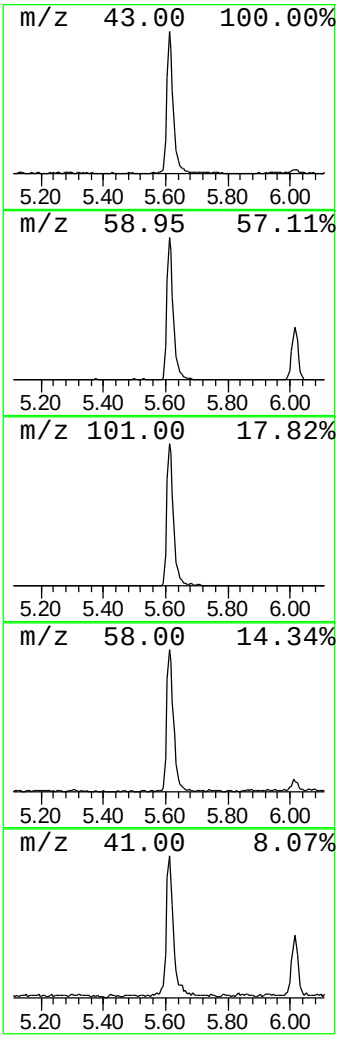
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	8.96 ng	246865	1,4-Dichlorobenzene-d4	8.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001231.D
Acq On : 06 Dec 2019 15:55
Operator : JU
Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

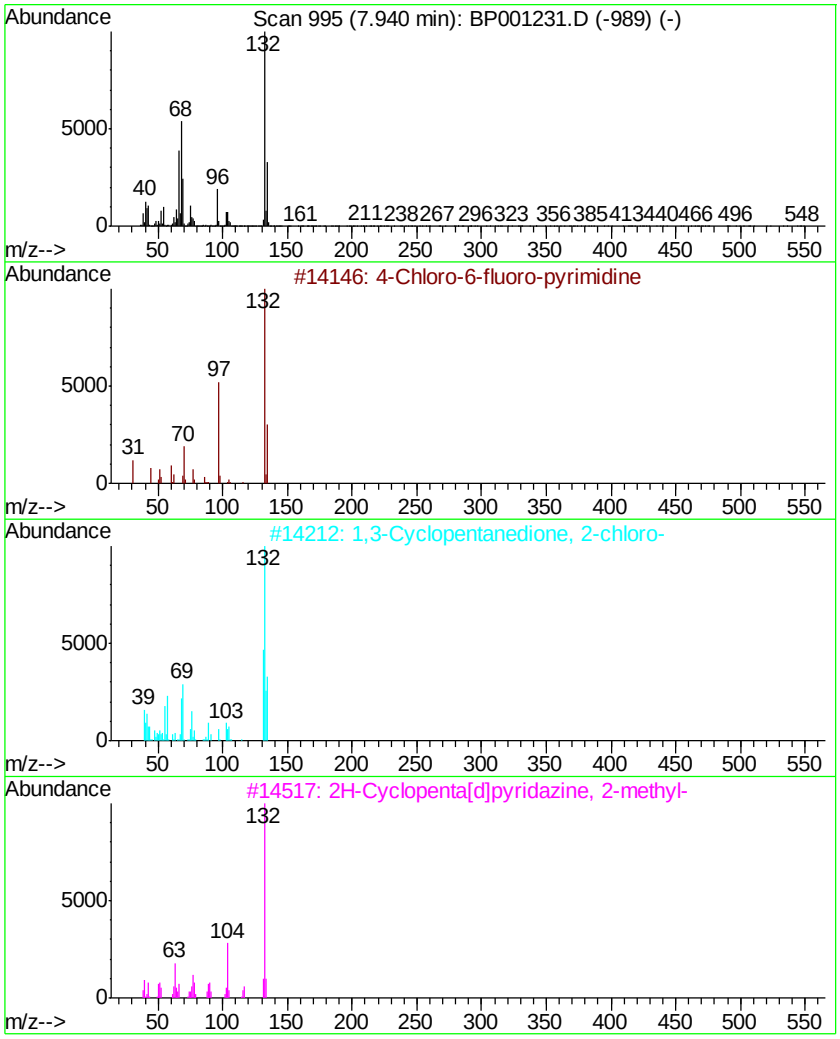
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

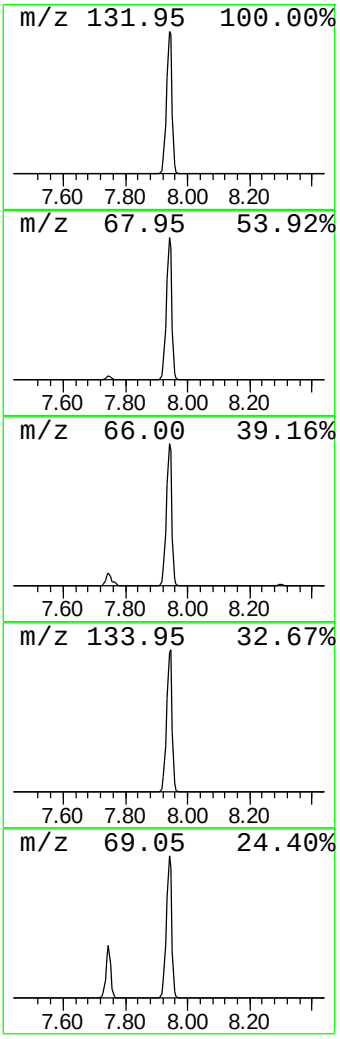
****

Peak Number 3 unknown7.94 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	104.39 ng	2875090	1,4-Dichlorobenzene-d4	8.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	12
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001231.D
Acq On : 06 Dec 2019 15:55
Operator : JU
Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

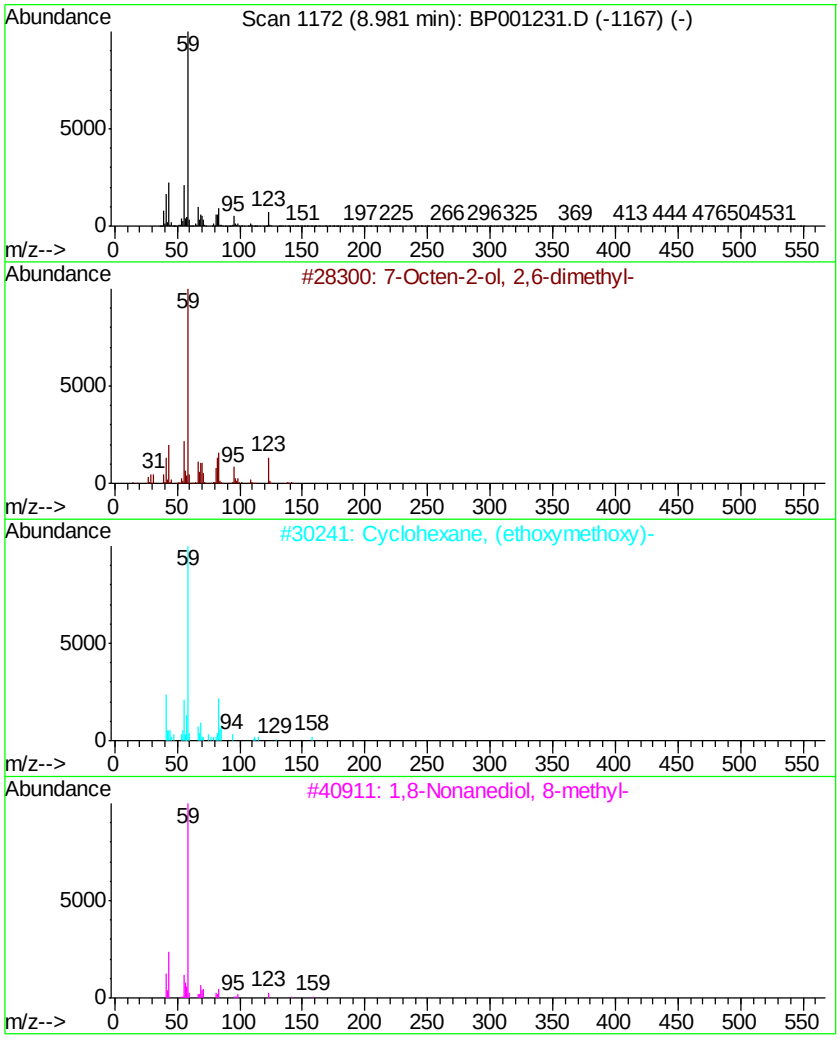
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

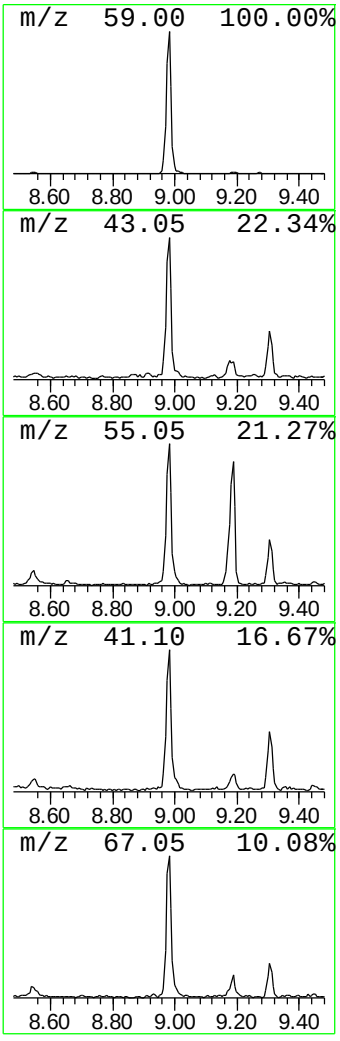
****

Peak Number 5 7-Octen-2-ol, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	9.72 ng	267822	1,4-Dichlorobenzene-d4	8.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	83
2	Cyclohexane, (ethoxymethoxy)-	158	C9H18O2	054699-29-5	64
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	59
4	3-Hexene, 1-(1-methoxyethoxy)-, ...	158	C9H18O2	054340-96-4	50
5	1,7-Octanediol, 3,7-dimethyl-	174	C10H22O2	000107-74-4	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001231.D
Acq On : 06 Dec 2019 15:55
Operator : JU
Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

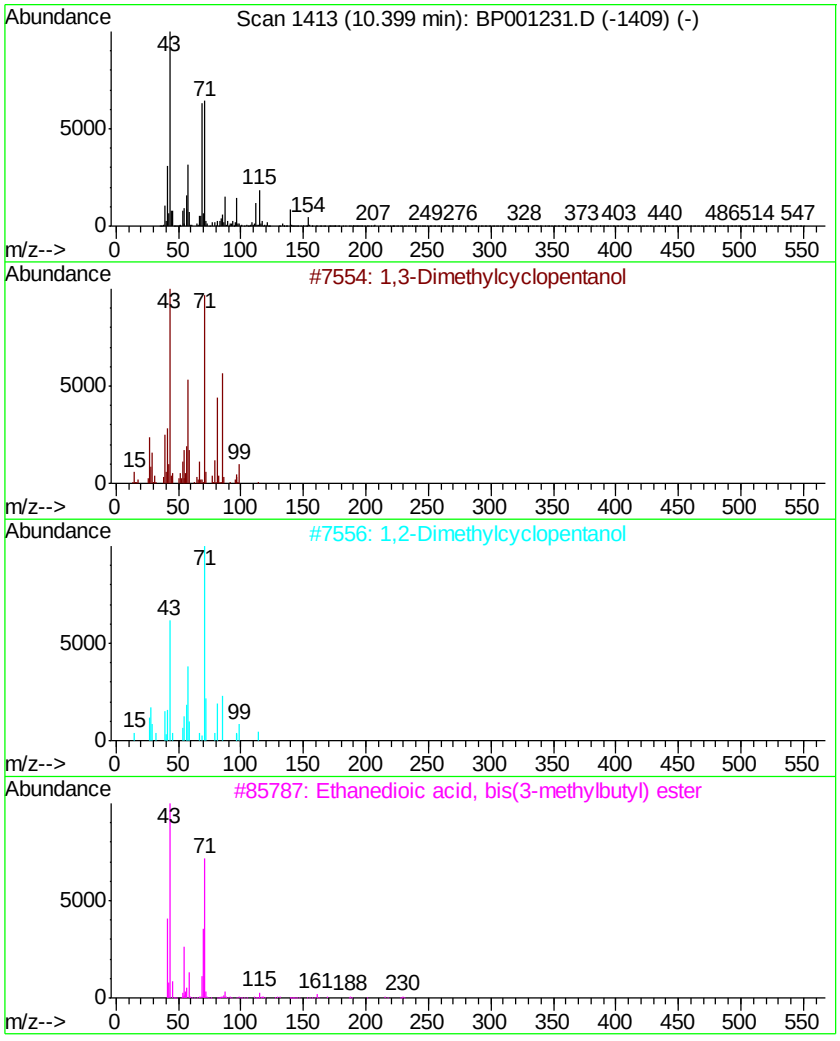
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

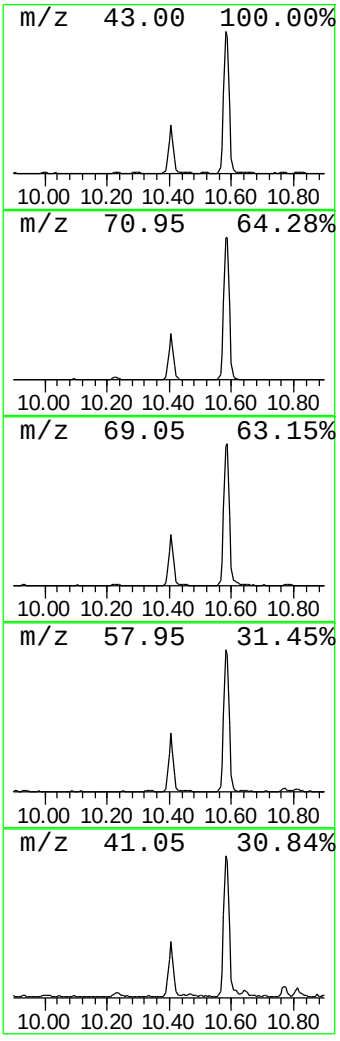
****

Peak Number 6 unknown10.40 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	9.39 ng	312301	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	43
2	1,2-Dimethylcyclopentanol	114	C7H14O	019550-45-9	32
3	Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	27
4	Decane, 4-methyl-	156	C11H24	002847-72-5	16
5	4-Isopropoxy-2-butanone	130	C7H14O2	032541-58-5	16





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001231.D
Acq On : 06 Dec 2019 15:55
Operator : JU
Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

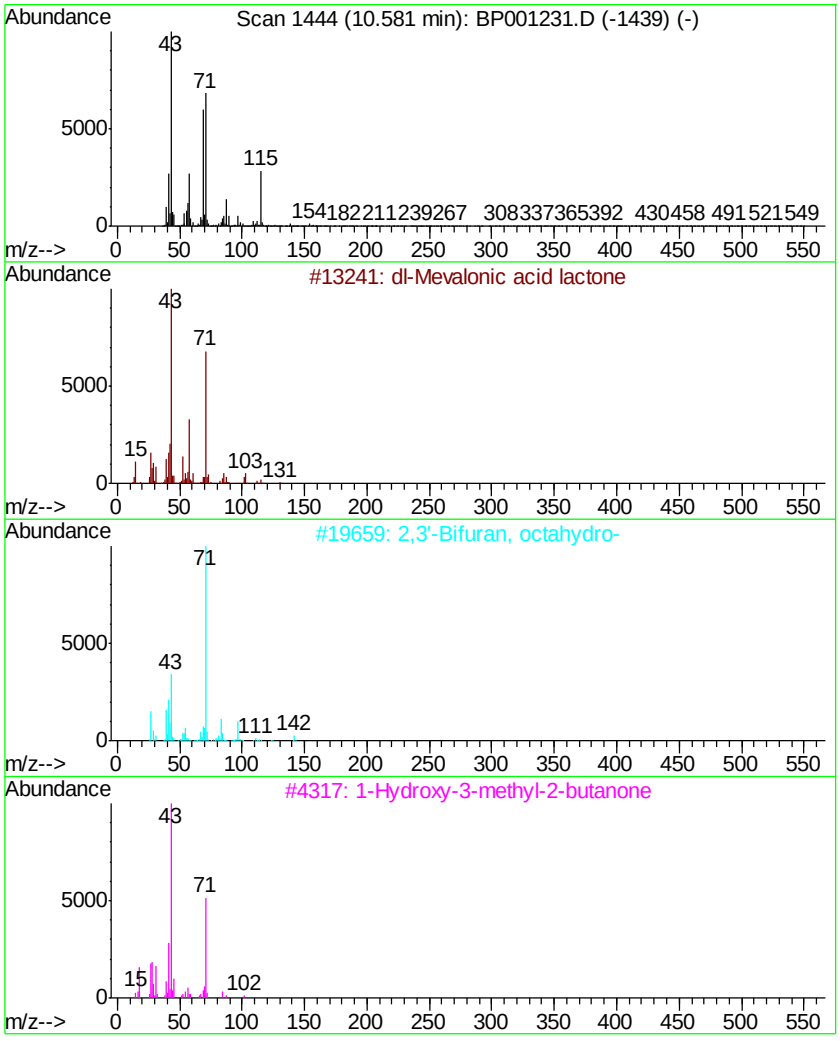
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

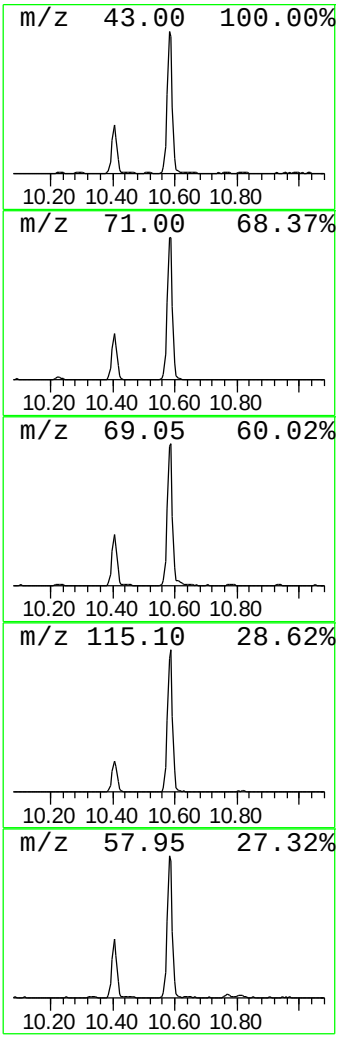
****

Peak Number 7 unknown10.58 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	25.83 ng	858944	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-Mevalonic acid lactone	130	C6H10O3	000674-26-0	43
2	2,3'-Bifuran, octahydro-	142	C8H14O2	073373-15-6	35
3	1-Hydroxy-3-methyl-2-butanone	102	C5H10O2	036960-22-2	35
4	Cyclopropanemethanol, .alpha.-bu...	128	C8H16O	004379-16-2	35
5	Butanoic acid, 2-pentenyl ester,...	156	C9H16O2	042125-13-3	32





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Operator : JU
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Misc :
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Instrument : BNA_P
ClientSampleId : GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

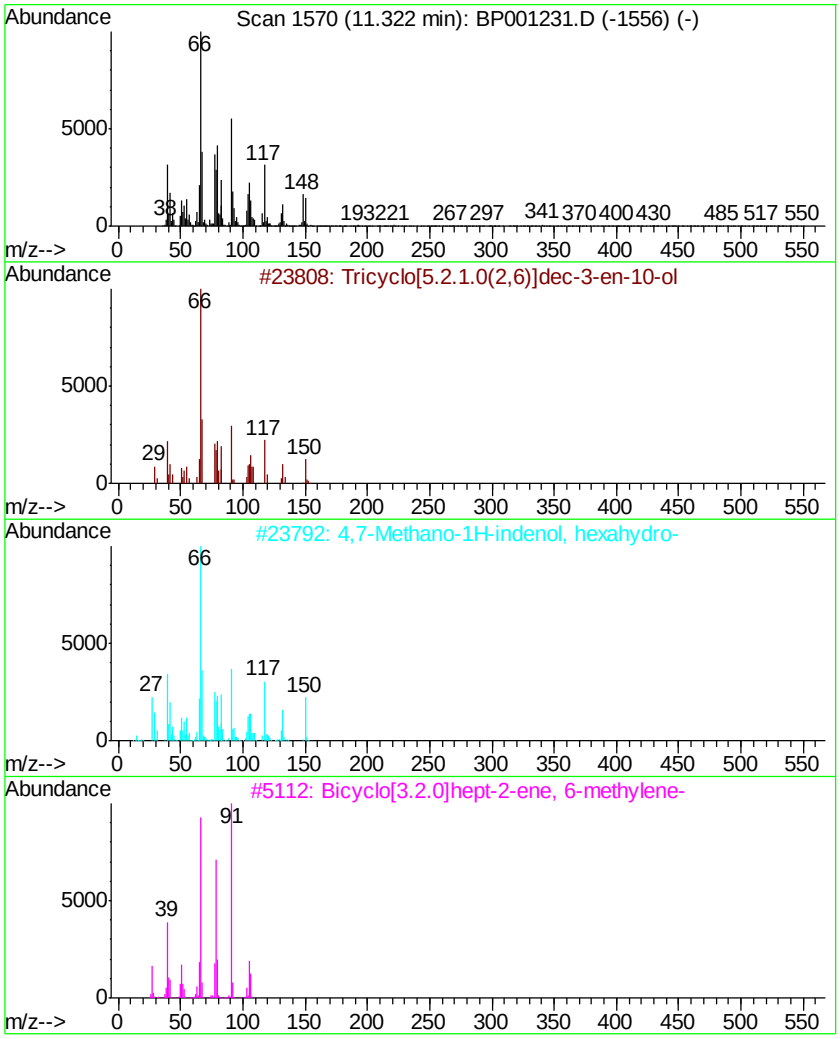
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

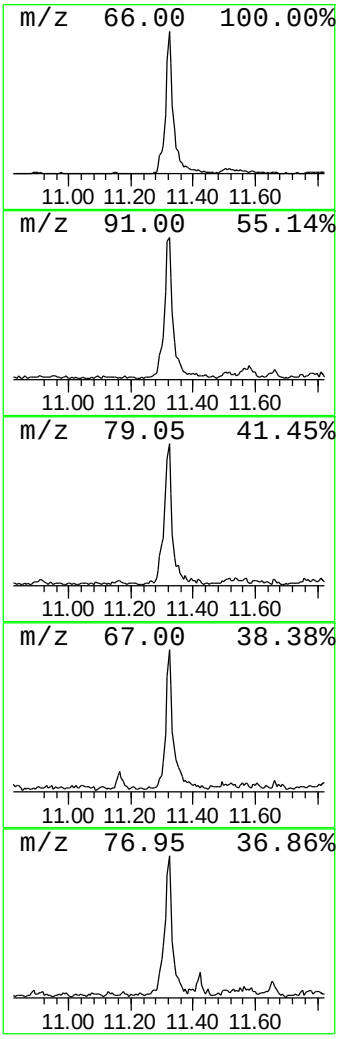
****

Peak Number 8 Tricyclo[5.2.1.0(2,6)]dec-3... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	7.74 ng	257434	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[5.2.1.0(2,6)]dec-3-en-1...	150	C10H14O	039852-87-4	90
2	4,7-Methano-1H-indenol, hexahydro-	150	C10H14O	037275-49-3	90
3	Bicyclo[3.2.0]hept-2-ene, 6-meth...	106	C8H10	038695-51-1	59
4	Cyclobuta[1,2:3,4]dicyclopentene...	132	C10H12	105226-58-2	59
5	Dicyclopentadiene	132	C10H12	000077-73-6	53





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Data File : BP001231.D
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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
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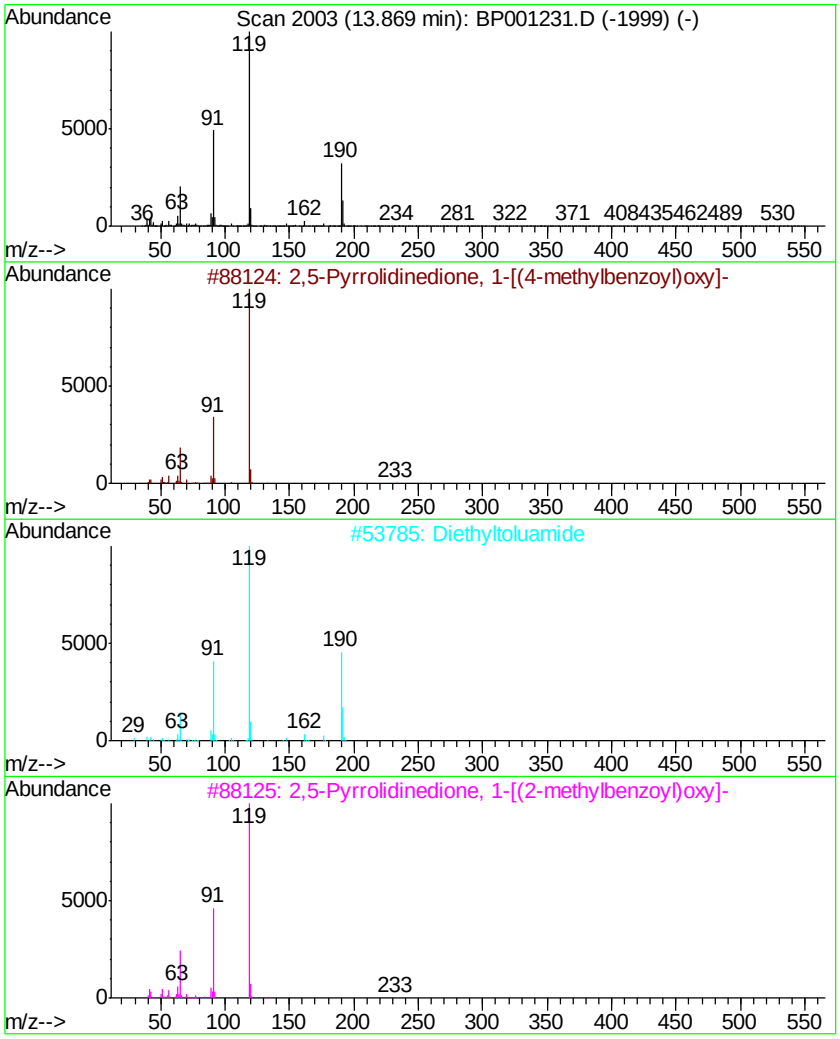
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

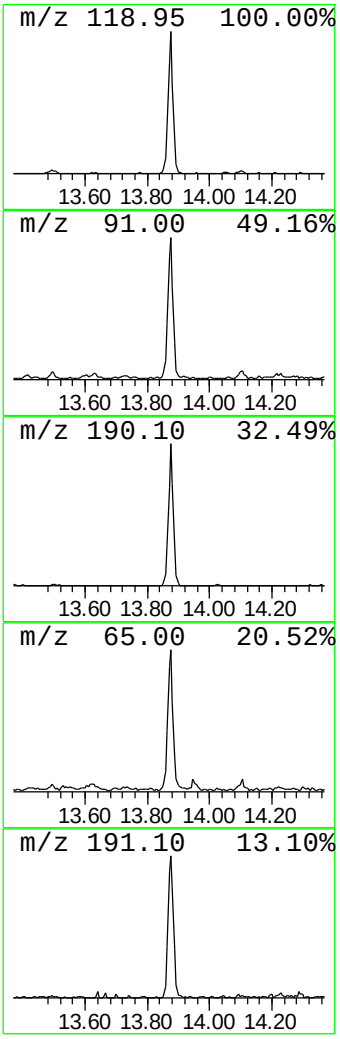
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 2,5-Pyrrolidinedione, 1-[(4... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	3.78 ng	159218	Acenaphthene-d10	13.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Pyrrolidinedione, 1-[(4-meth...	233	C12H11NO4	083039-57-0	93
2	Diethyltoluamide	191	C12H17NO	000134-62-3	91
3	2,5-Pyrrolidinedione, 1-[(2-meth...	233	C12H11NO4	110920-14-4	76
4	Benzamide, N-(1,1-dimethylethyl)...	191	C12H17NO	042498-32-8	72
5	Bicyclo[6.3.0]undeca-1,6-dien-3-...	190	C13H18O	1000164-02-3	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001231.D
Acq On : 06 Dec 2019 15:55
Operator : JU
Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

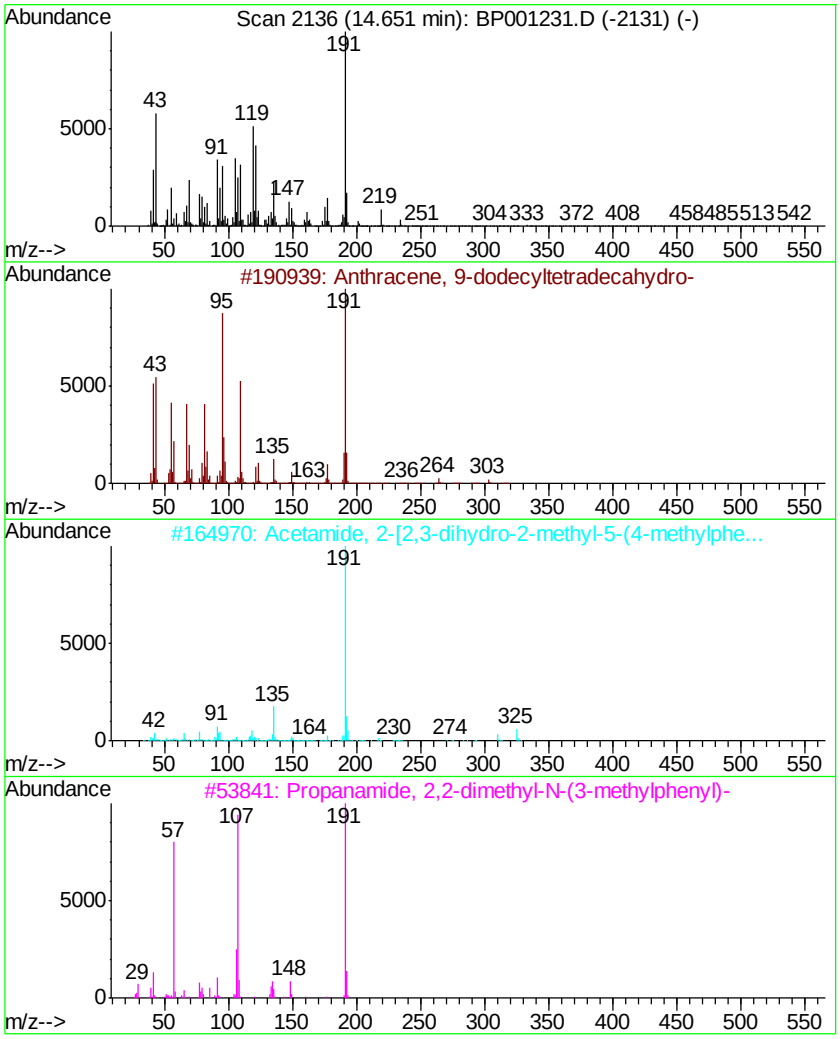
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

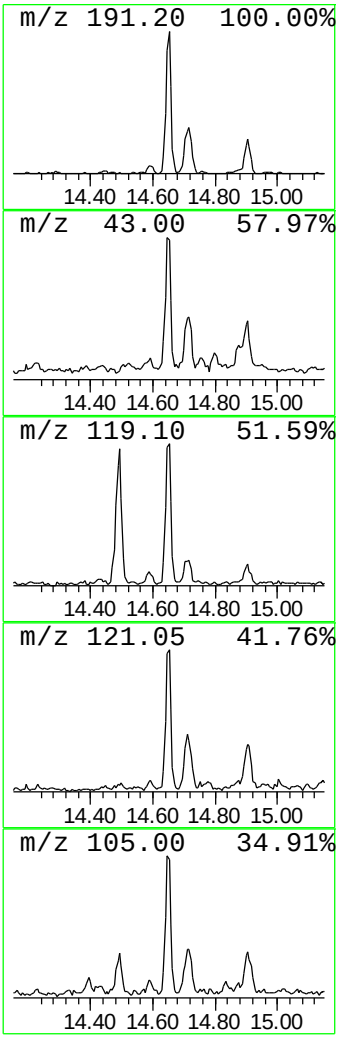
****

Peak Number 10 unknown14.65 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	4.27 ng	195865	Phenanthrene-d10	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	47
2	Acetamide, 2-[2,3-dihydro-2-meth...	325	C18H19N3OS	1000276-37-8	35
3	Propanamide, 2,2-dimethyl-N-(3-m...	191	C12H17NO	032597-29-8	35
4	Methyl 2-methyl-2-methoxy-3-hydr...	250	C13H14O5	1000215-38-8	27
5	Pyrido[3,4-d]pyrimidine-2,4(1H,3...	191	C9H9N3O2	022389-83-9	27





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Acq On : 06 Dec 2019 15:55
Operator : JU
Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.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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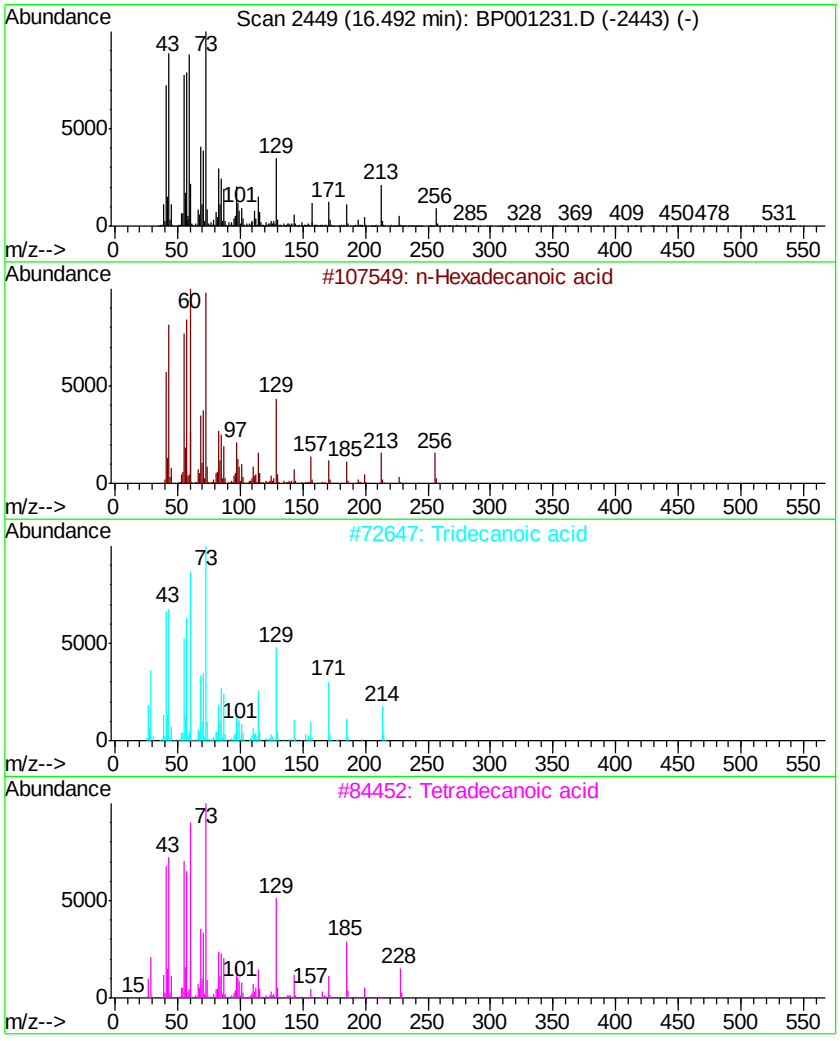
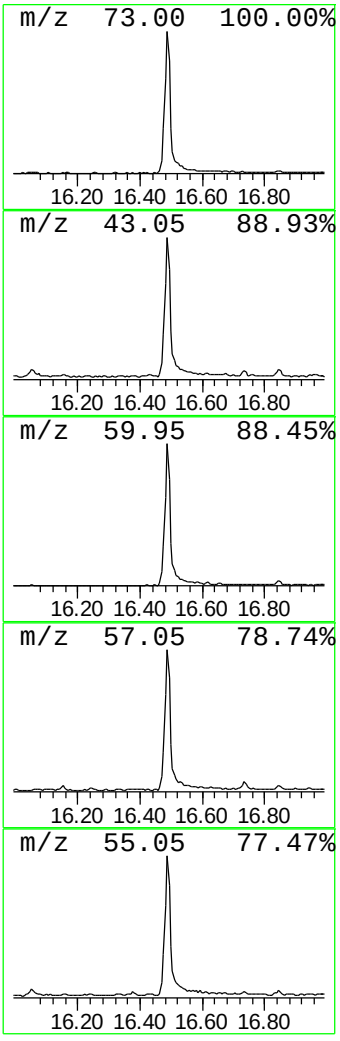
Peak Number 11 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	15.63 ng	716720	Phenanthrene-d10	15.59

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	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	Dodecanoic acid	200	C12H24O2	000143-07-7	59





Library Search Compound Report

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Operator : JU
Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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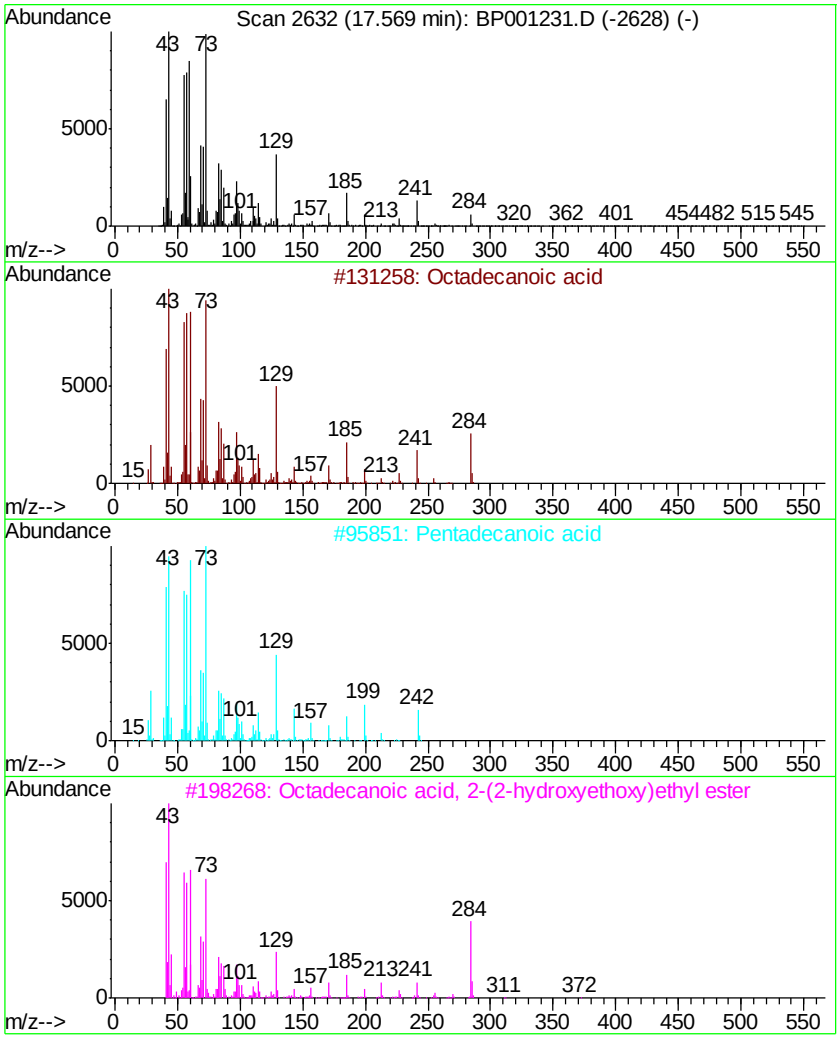
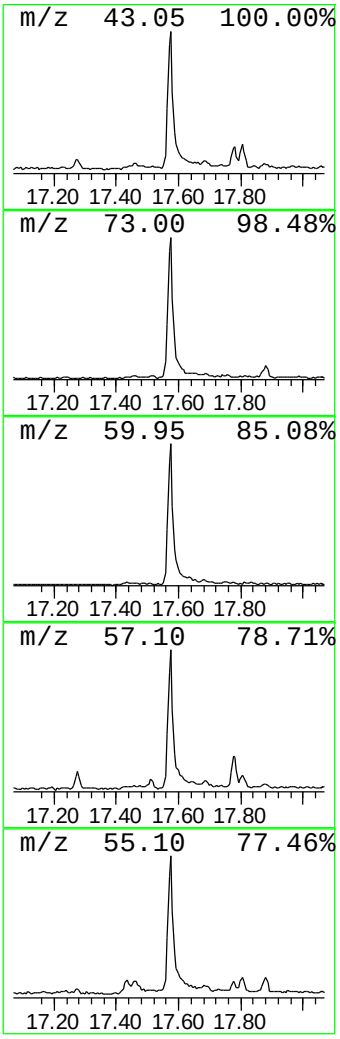
Peak Number 12 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	10.33 ng	457907	Chrysene-d12	19.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	91
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	80





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ClientSampleId : GROUNDWATER

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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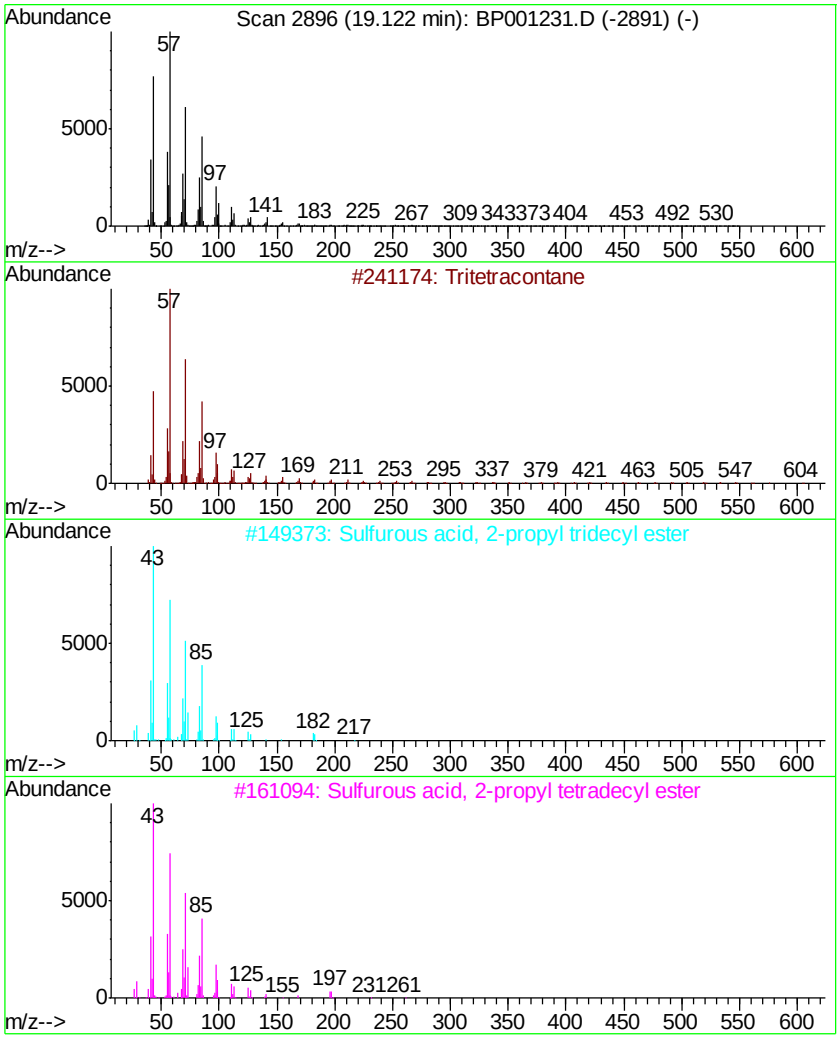
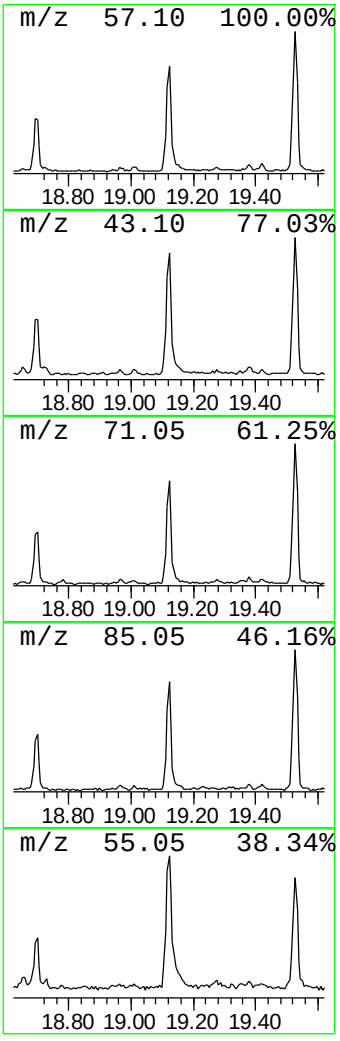
Peak Number 13 Tritetracontane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	7.22 ng	320070	Chrysene-d12	19.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	91
2	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	91
3	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	91
4	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	90
5	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	90





Library Search Compound Report

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ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId : GROUNDWATER

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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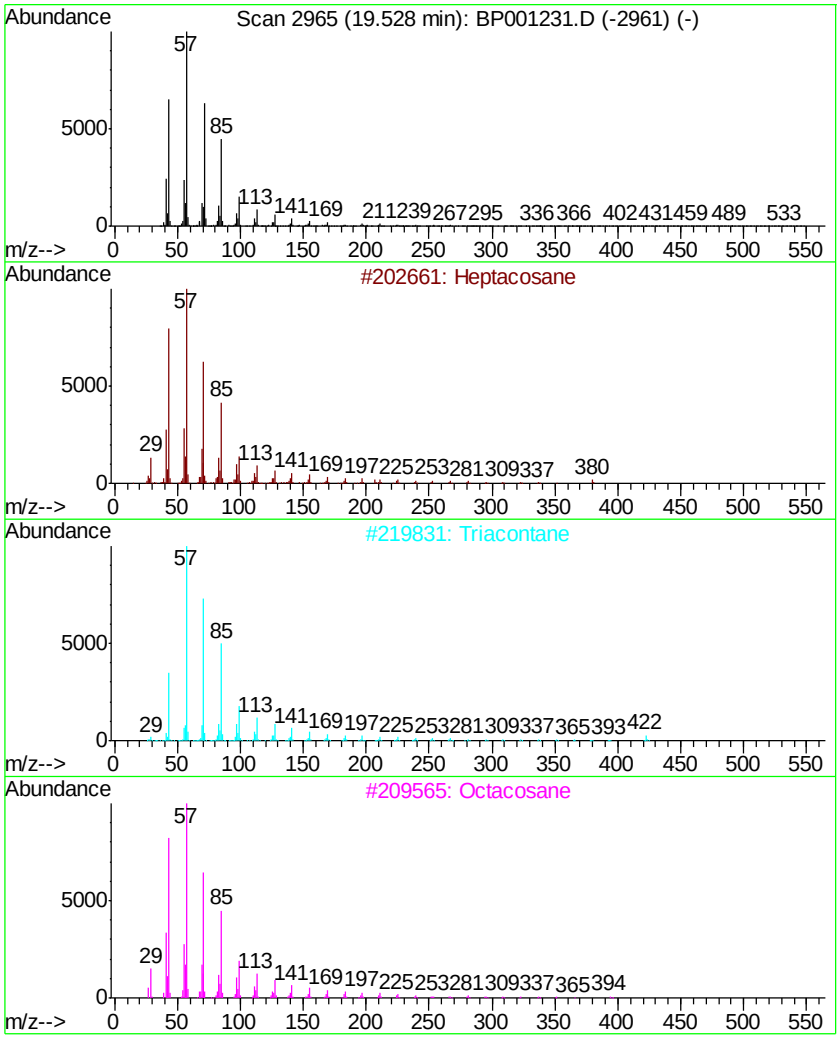
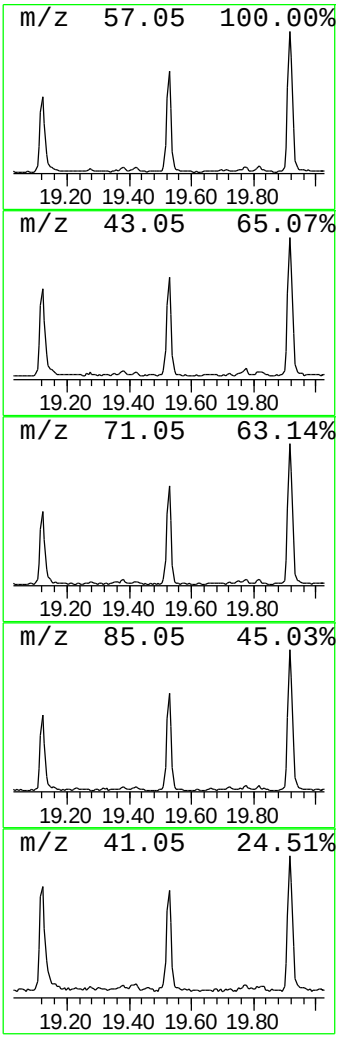
Peak Number 14 Heptacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	5.78 ng	256353	Chrysene-d12	19.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	92
2	Triacontane	422	C30H62	000638-68-6	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Heptadecane	240	C17H36	000629-78-7	91
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90





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Instrument : BNA_P
ClientSampleId : GROUNDWATER

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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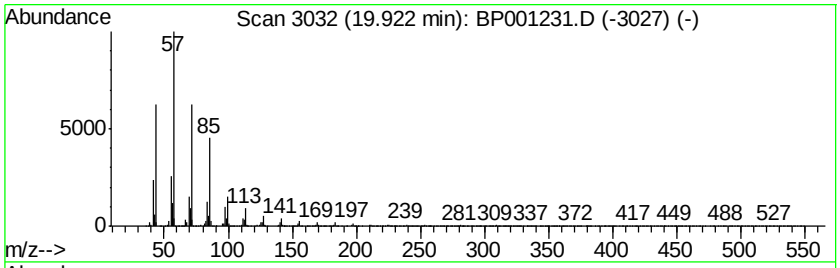
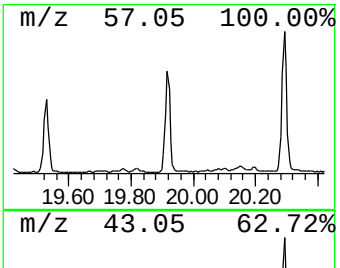
Peak Number 15 Triacontane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	8.32 ng	368721	Chrysene-d12	19.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	97
2	Octacosane	394	C28H58	000630-02-4	97
3	Hexacosane	366	C26H54	000630-01-3	96
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	96
5	Pentacosane	352	C25H52	000629-99-2	95





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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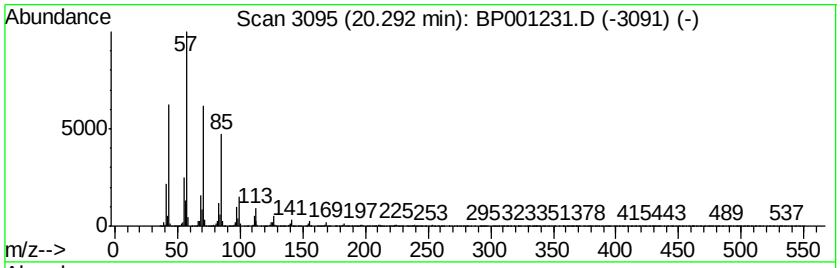
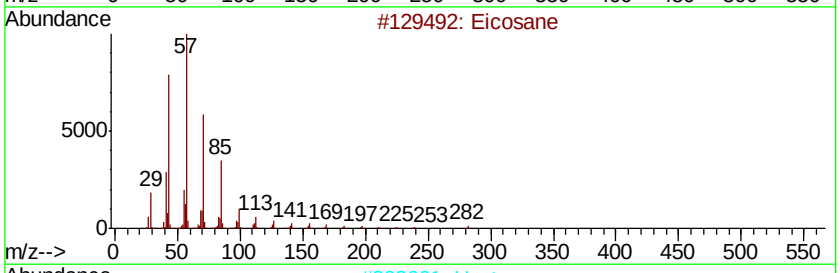
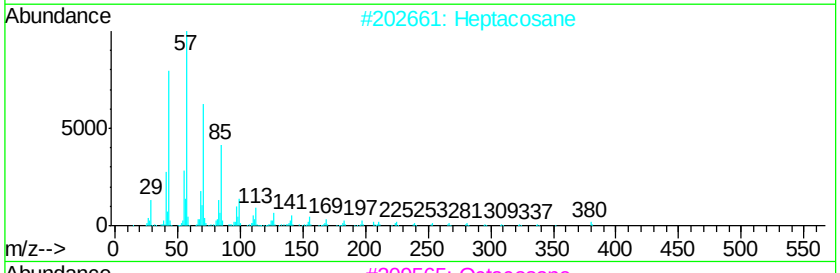
Peak Number 16 Eicosane Concentration Rank 9

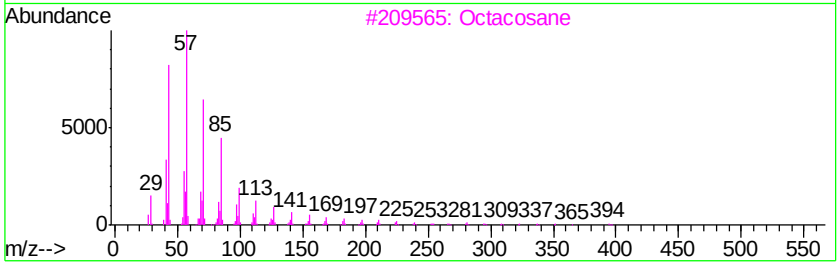
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	12.22 ng	508379	Perylene-d12	21.00

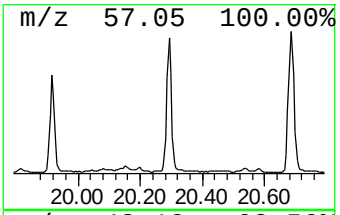
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heptacosane	380	C27H56	000593-49-7	94
3	Octacosane	394	C28H58	000630-02-4	94
4	Hexatriacontane	507	C36H74	000630-06-8	94
5	Tetracosane	338	C24H50	000646-31-1	94

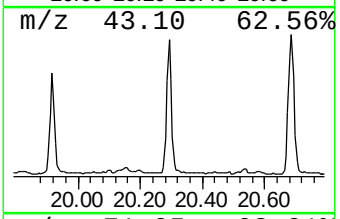


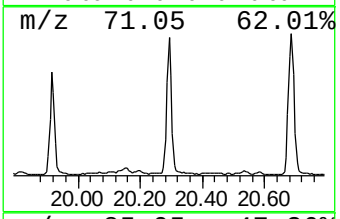


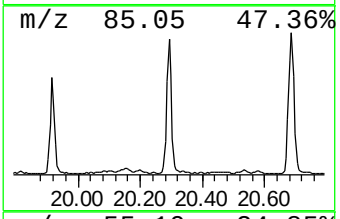


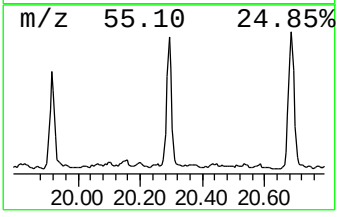












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Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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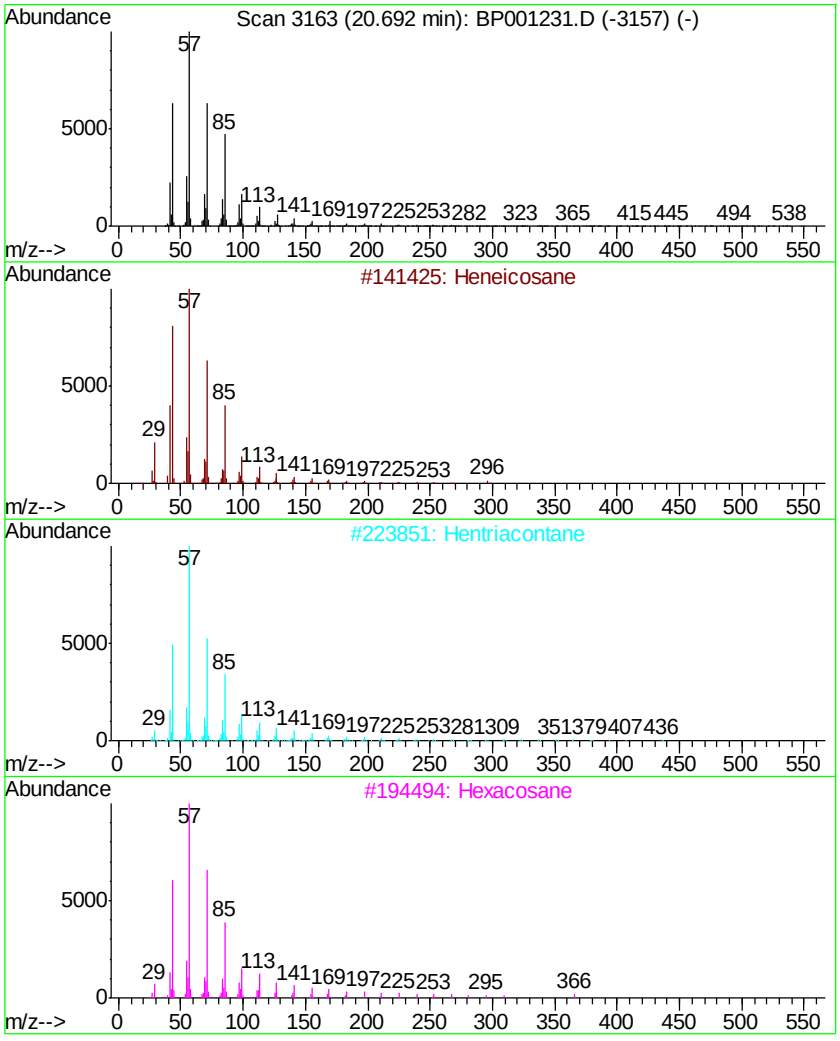
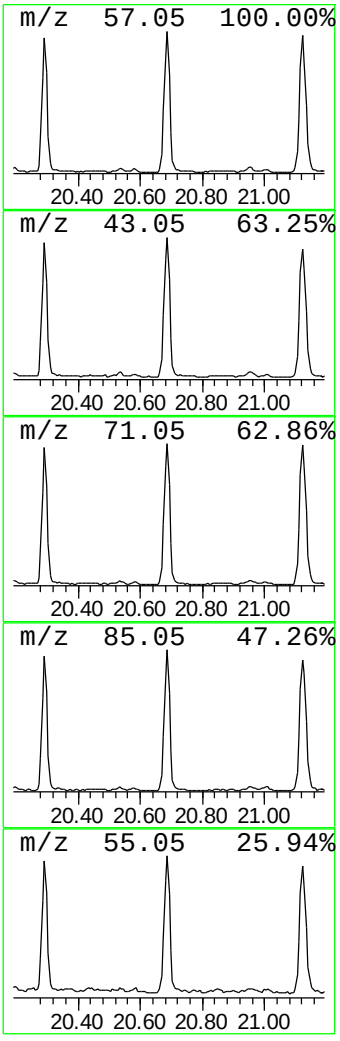
Peak Number 17 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	14.89 ng	619341	Perylene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Hentriacontane	437	C31H64	000630-04-6	97
3	Hexacosane	366	C26H54	000630-01-3	97
4	Nonacosane	408	C29H60	000630-03-5	94
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	93





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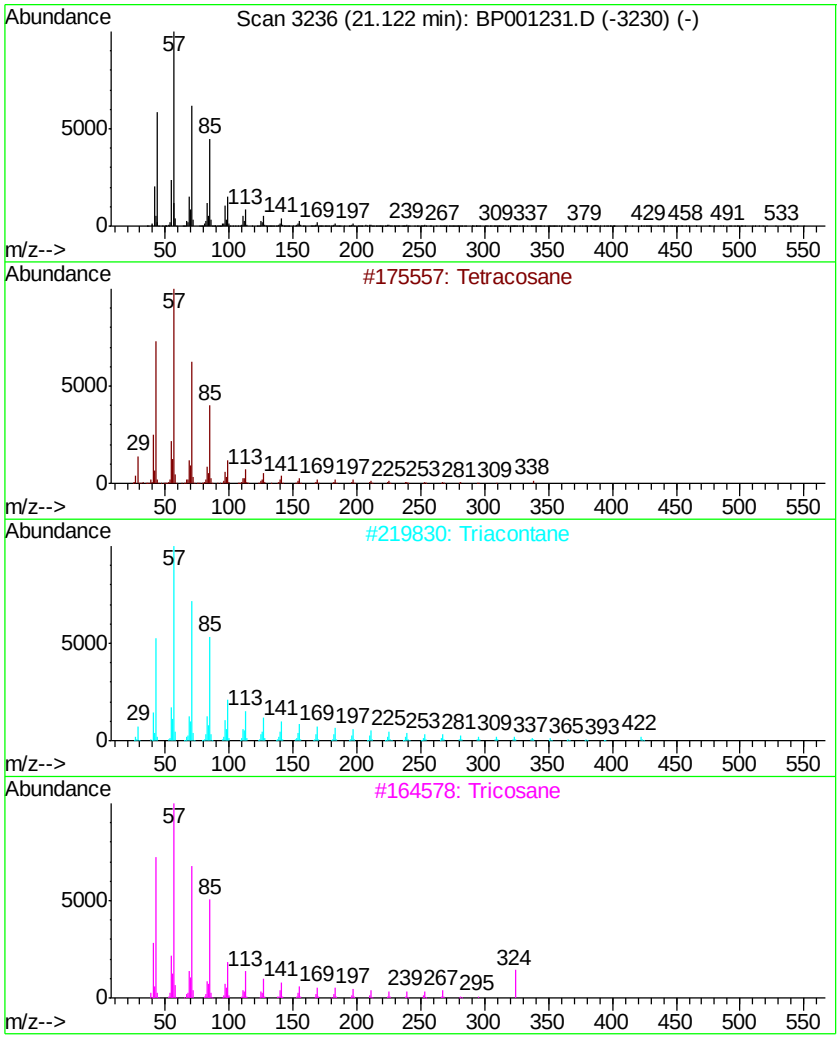
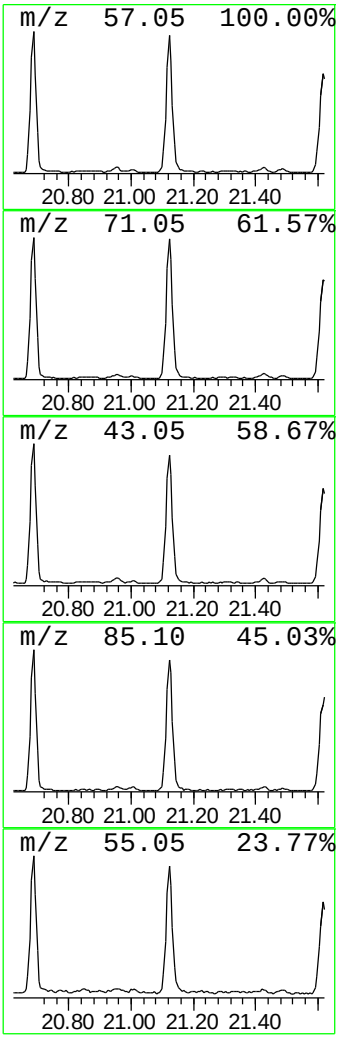
Peak Number 18 Tetracosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	16.53 ng	687422	Perylene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	95
2	Triacontane	422	C30H62	000638-68-6	94
3	Tricosane	324	C23H48	000638-67-5	93
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
5	Hexacosane	366	C26H54	000630-01-3	91





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : GROUNDWATER

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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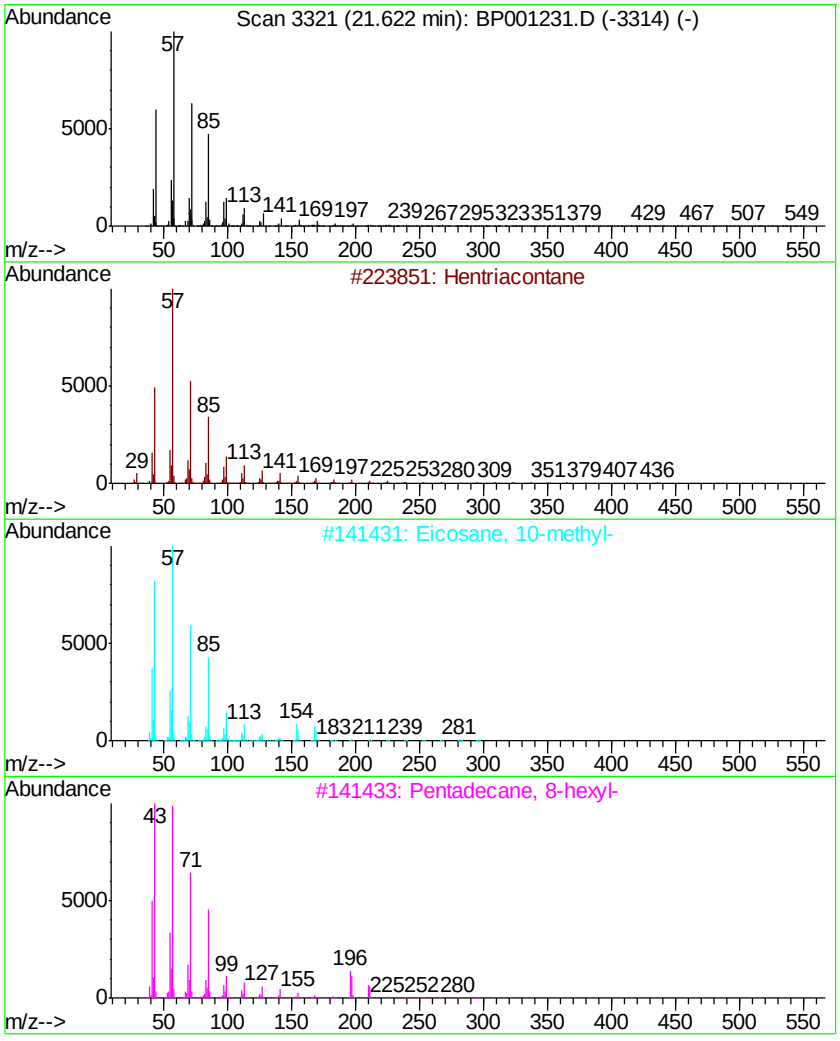
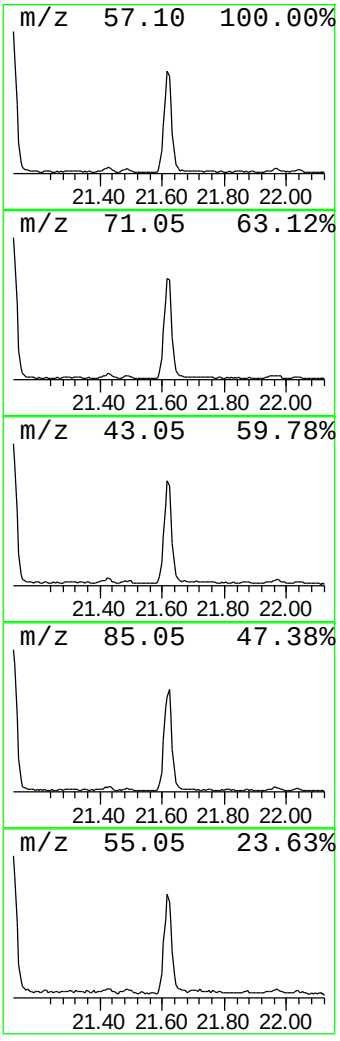
Peak Number 19 Hentriacontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.62	14.49 ng	602626	Perylene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	97
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
4	Octacosane	394	C28H58	000630-02-4	91
5	Heneicosane	296	C21H44	000629-94-7	91





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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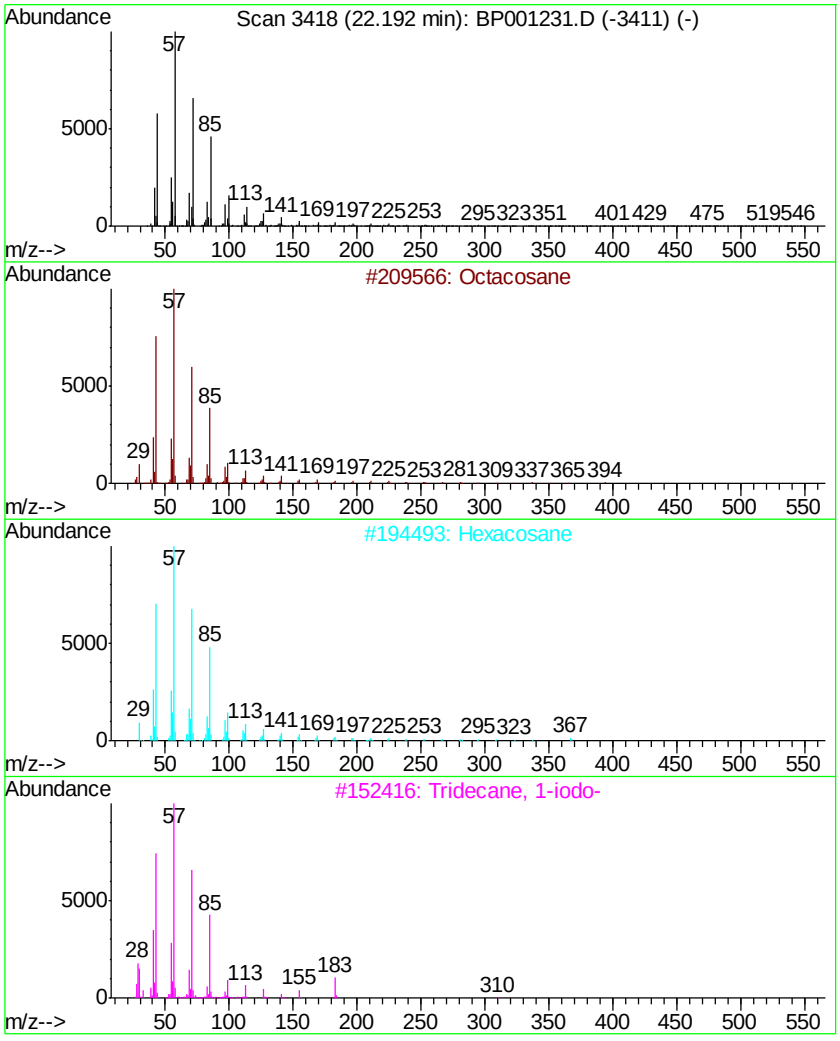
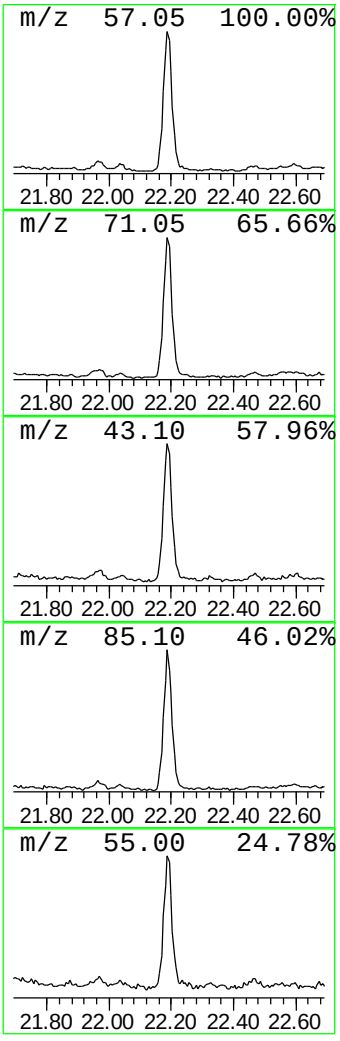
Peak Number 20 Octacosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.19	8.33 ng	346477	Perylene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	87
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	86





Tentatively Identified Compound (LSC) summary

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Acq On : 06 Dec 2019 15:55
Operator : JU
Sample : K6025-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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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
2-Pentanone, 4-hy...	5.61	9.0	ng	246865	1	8.30	550851	20.0
unknown7.94	7.94	104.4	ng	2875090	1	8.30	550851	20.0
7-Octen-2-ol, 2,6...	8.98	9.7	ng	267822	1	8.30	550851	20.0
unknown10.40	10.40	9.4	ng	312301	2	10.33	665013	20.0
unknown10.58	10.58	25.8	ng	858944	2	10.33	665013	20.0
Tricyclo[5.2.1.0(...	11.32	7.7	ng	257434	2	10.33	665013	20.0
2,5-Pyrrolidinedi...	13.87	3.8	ng	159218	3	13.20	841729	20.0
unknown14.65	14.65	4.3	ng	195865	4	15.59	917295	20.0
n-Hexadecanoic acid	16.49	15.6	ng	716720	4	15.59	917295	20.0
Octadecanoic acid	17.57	10.3	ng	457907	5	19.23	886810	20.0
Tritetracontane	19.12	7.2	ng	320070	5	19.23	886810	20.0
Heptacosane	19.53	5.8	ng	256353	5	19.23	886810	20.0
Triacontane	19.92	8.3	ng	368721	5	19.23	886810	20.0
Eicosane	20.29	12.2	ng	508379	6	21.00	831787	20.0
Heneicosane	20.69	14.9	ng	619341	6	21.00	831787	20.0
Tetracosane	21.12	16.5	ng	687422	6	21.00	831787	20.0
Hentriacontane	21.62	14.5	ng	602626	6	21.00	831787	20.0
Octacosane	22.19	8.3	ng	346477	6	21.00	831787	20.0