LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110300.D
Acq On : 30 Oct 2018 14:00
Operator : JU/SJ
Sample : J5724-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DARK-SOIL(NEAR-BERM)

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-BF102318.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	2.340	37	43	52	rVB	417266	575288	15.18%	1.853%
2	5.216	528	532	540	rBV	73583	96903	2.56%	0.312%
3	5.598	592	597	600	rBV	2210356	2076650	54.81%	6.689%
4	6.592	760	766	772	rBV2	2053897	2383603	62.91%	7.677%
5	6.739	786	791	794	rBV	2559016	2267916	59.86%	7.305%
6	6.969	826	830	833	rBV	888078	710759	18.76%	2.289%
7	7.128	852	857	860	rBV	1722799	1626109	42.92%	5.238%
8	7.363	893	897	906	rVB6	24004	51015	1.35%	0.164%
9	7.533	921	926	929	rBV	1432390	1394780	36.81%	4.493%
10	8.251	1044	1048	1053	rBV	1027720	938072	24.76%	3.021%
11	9.210	1206	1211	1216	rVB	50080	42792	1.13%	0.138%
12	9.327	1226	1231	1234	rBV	2375819	2188751	57.77%	7.050%
13	9.427	1242	1248	1251	rBV	3939687	3788805	100.00%	12.204%
14	9.716	1293	1297	1306	rVB	253865	211391	5.58%	0.681%
15	10.016	1343	1348	1351	rBV	1090682	1043818	27.55%	3.362%
16	10.804	1478	1482	1489	rBV	1511102	1377697	36.36%	4.437%
17	11.510	1598	1602	1604	rBV	1011621	995447	26.27%	3.206%
18	11.527	1604	1605	1609	rVB	271645	193992	5.12%	0.625%
19	11.580	1609	1614	1617	rBV	50947	51112	1.35%	0.165%
20	11.910	1667	1670	1674	rBV2	82956	77949	2.06%	0.251%
21	12.010	1684	1687	1690	rBV3	130625	131144	3.46%	0.422%
22	12.033	1690	1691	1696	rVB3	52707	51991	1.37%	0.167%
23	12.121	1703	1706	1708	rBV2	68078	73737	1.95%	0.238%
24	12.733	1806	1810	1813	rBV	487786	403411	10.65%	1.299%
25	12.957	1845	1848	1853	rVB	390123	361204	9.53%	1.163%
26	13.092	1866	1871	1874	rBV	1669090	1500698	39.61%	4.834%
27	13.174	1880	1885	1888	rBV5	23655	40810	1.08%	0.131%
28	13.351	1912	1915	1917	rBV	45193	39856	1.05%	0.128%
29	13.968	2016	2020	2024	rBV2	153889	187516	4.95%	0.604%
30	14.009	2024	2027	2033	rVB2	97142	106765	2.82%	0.344%
31	14.157	2046	2052	2055	rBV2	857268	893740	23.59%	2.879%
32	14.180	2055	2056	2062	rVB	180140	115659	3.05%	0.373%
33	14.286	2071	2074	2078	rBV	161531	154913	4.09%	0.499%
34	14.592	2122	2126	2133	rBV	386147	397658	10.50%	1.281%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110300.D
Acq On : 30 Oct 2018 14:00
Operator : JU/SJ
Sample : J5724-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DARK-SOIL(NEAR-BERM)

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.915	2175	2181	2189	rBV	563463	602554	15.90%	1.941%
36	15.004	2194	2196	2201	rVB2	38995	41109	1.09%	0.132%
37	15.068	2204	2207	2214	rVB3	57914	68806	1.82%	0.222%
38	15.233	2230	2235	2237	rBV	130613	194243	5.13%	0.626%
39	15.274	2237	2242	2245	rVV	587137	808213	21.33%	2.603%
40	15.304	2245	2247	2252	rVB2	93543	120450	3.18%	0.388%
41	15.556	2286	2290	2296	rBV	74118	101564	2.68%	0.327%
42	15.621	2297	2301	2305	rBV	100313	132676	3.50%	0.427%
43	15.680	2305	2311	2317	rBV2	644842	1263376	33.34%	4.069%
44	16.139	2382	2389	2396	rVB	366314	590153	15.58%	1.901%
45	16.674	2473	2480	2488	rBV2	165822	299151	7.90%	0.964%
46	17.262	2574	2580	2583	rBV2	43114	89728	2.37%	0.289%
47	17.303	2584	2587	2596	rVB	61340	123018	3.25%	0.396%
48	17.739	2657	2661	2671	rVB3	26464	59755	1.58%	0.192%

Sum of corrected areas: 31046747

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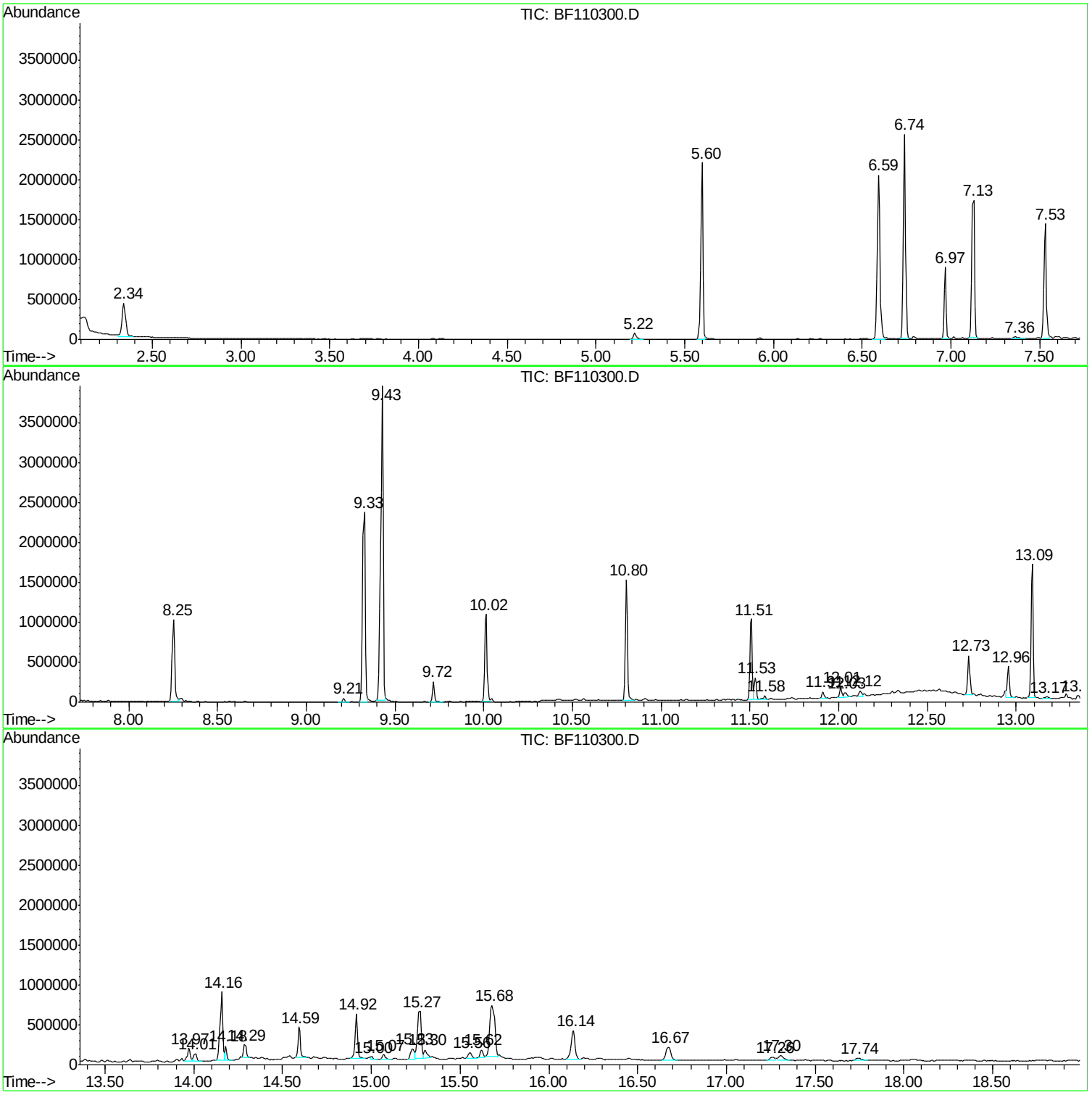
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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

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Operator : JU/SJ
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

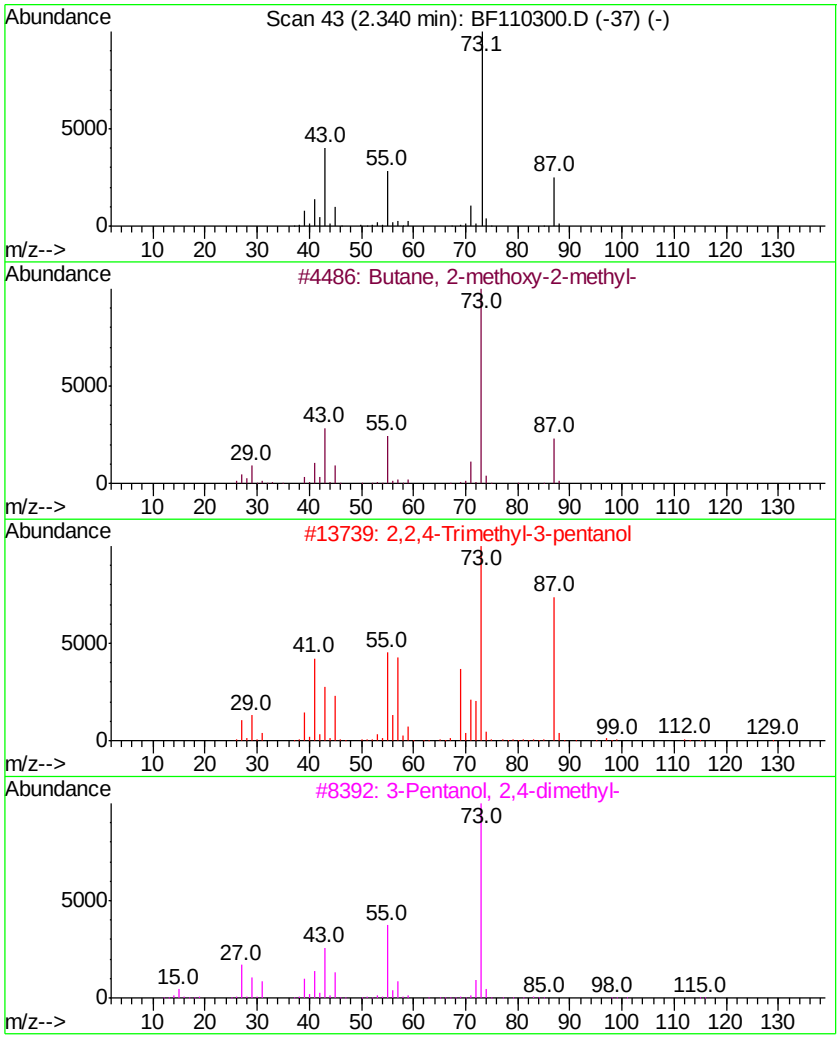
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

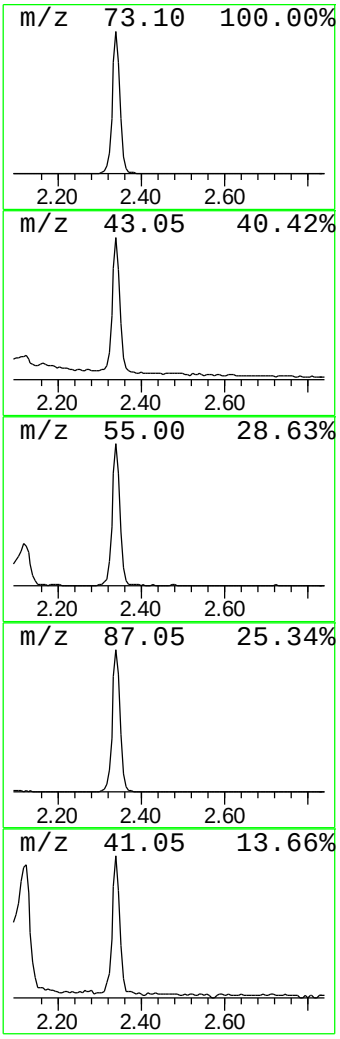
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.34	16.19 ng	575288	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





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Operator : JU/SJ
Sample : J5724-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DARK-SOIL(NEAR-BERM)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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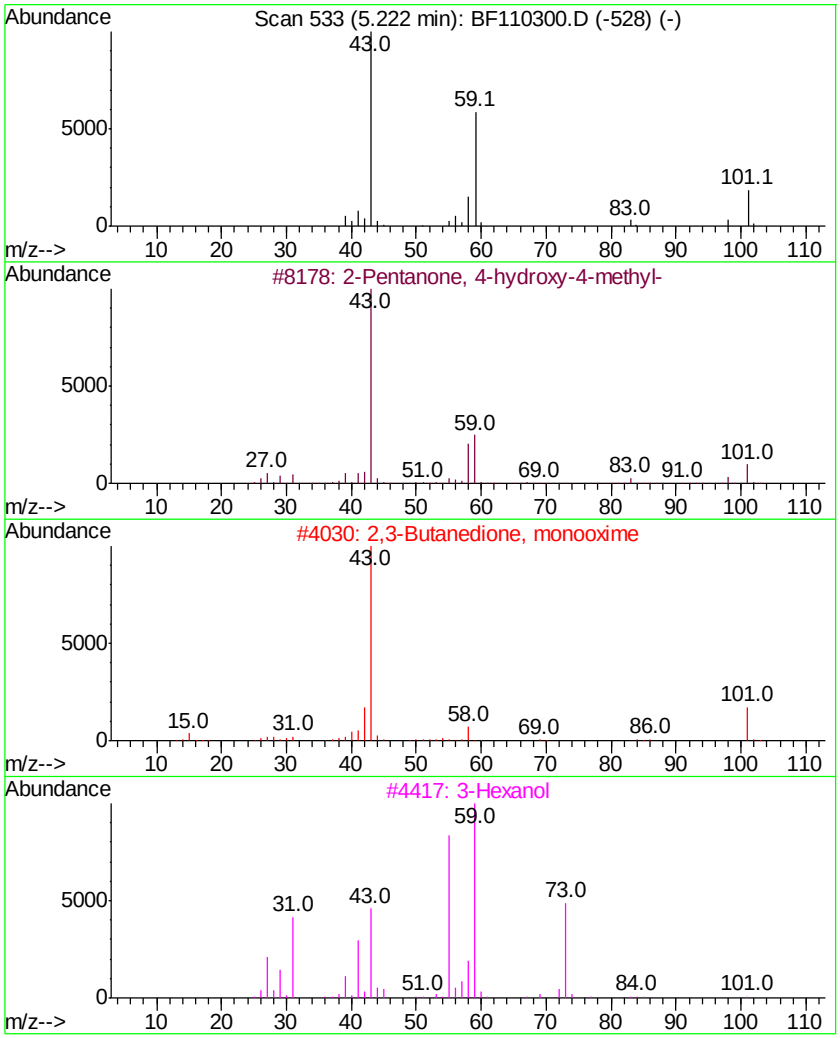
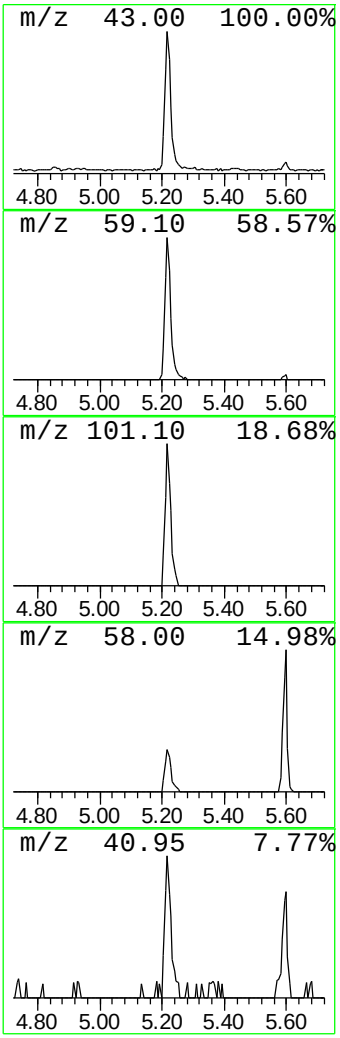
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	2.73 ng	96903	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
3	3-Hexanol	102	C6H14O	000623-37-0	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5	3-Heptanol	116	C7H16O	000589-82-2	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110300.D
Acq On : 30 Oct 2018 14:00
Operator : JU/SJ
Sample : J5724-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DARK-SOIL(NEAR-BERM)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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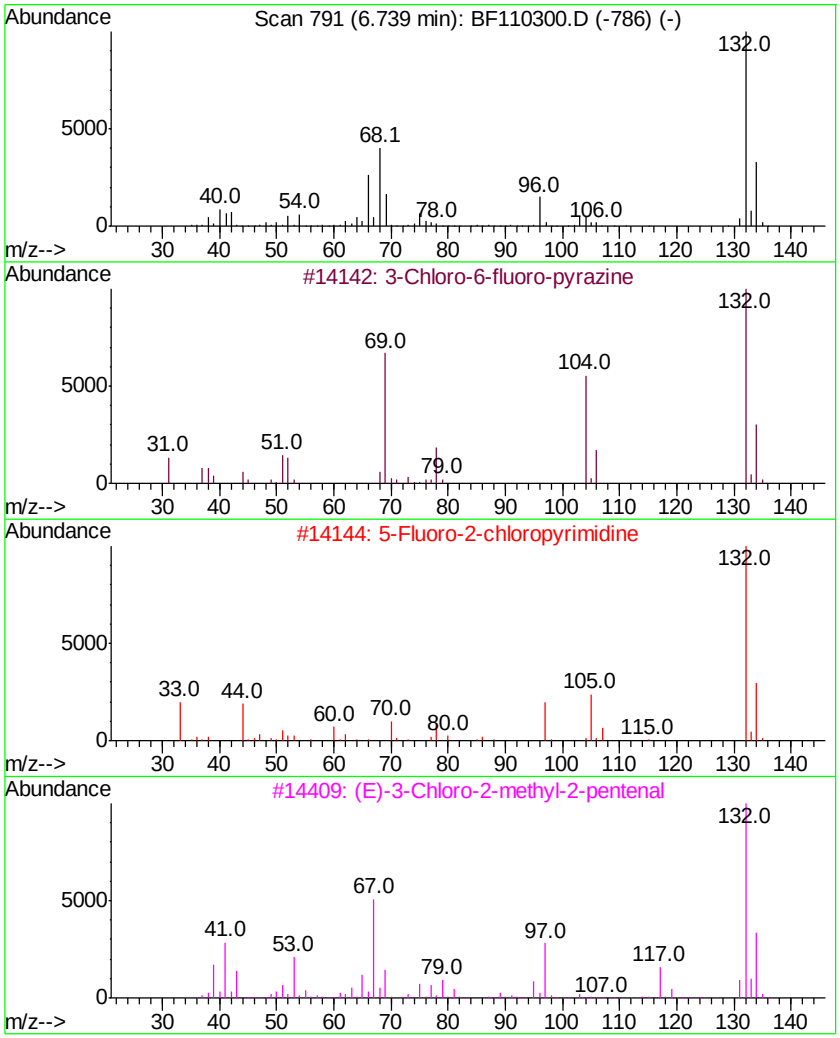
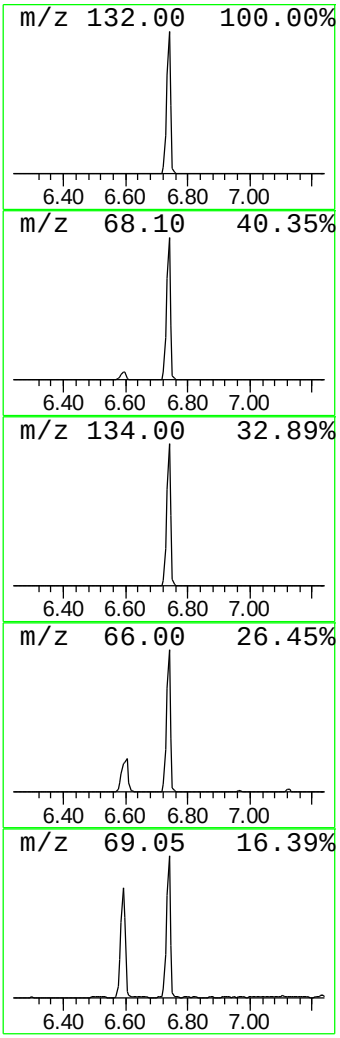
Peak Number 3 unknown6.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	63.82 ng	2267920	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DARK-SOIL(NEAR-BERM)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
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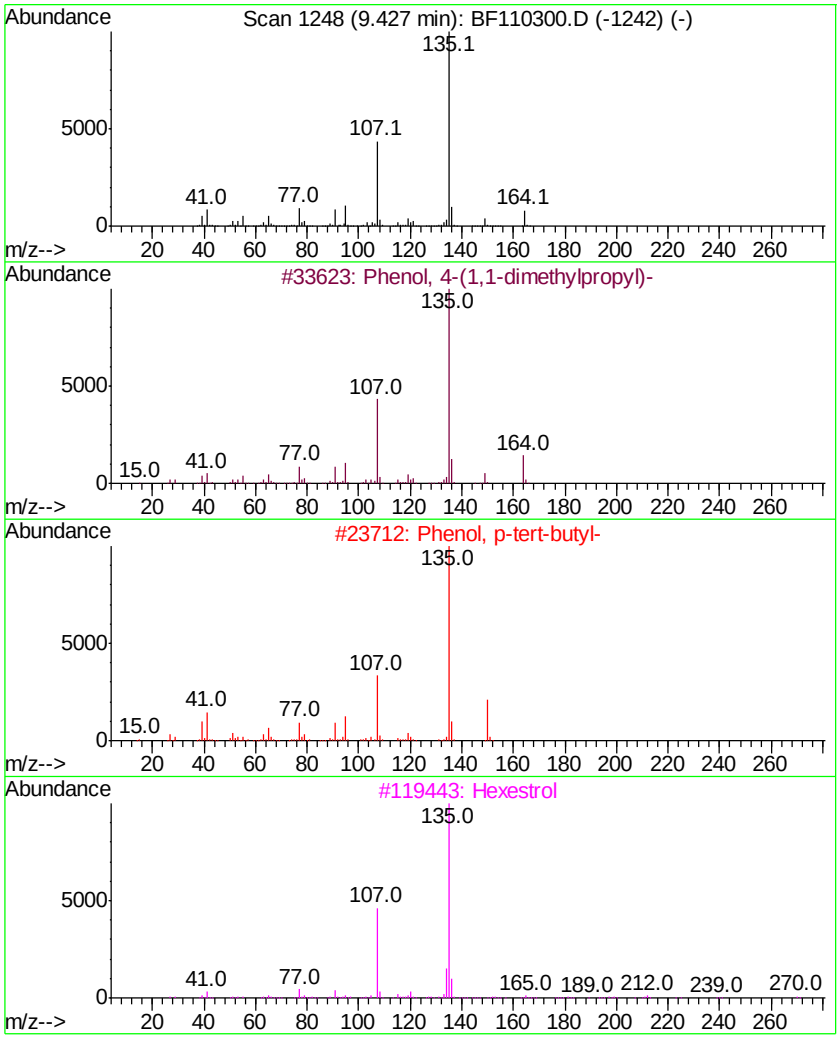
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

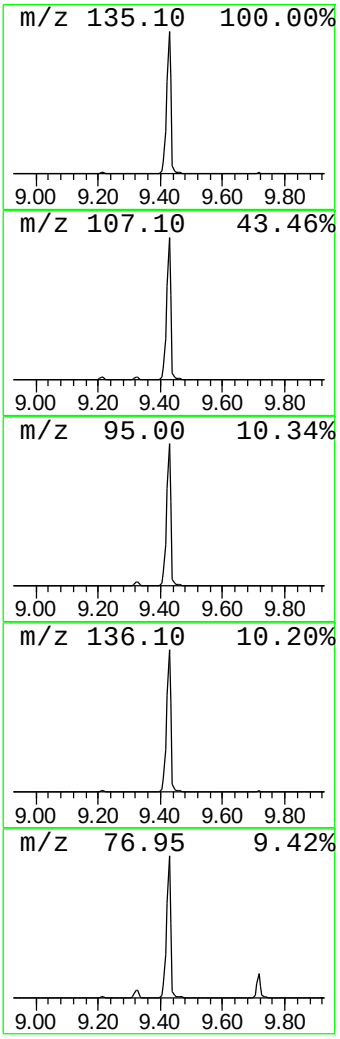
****

Peak Number 5 Phenol, 4-(1,1-dimethylprop... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	72.60 ng	3788810	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	95
2	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	80
3	Hexestrol	270	C18H22O2	000084-16-2	72
4	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	64
5	Hexestrol	270	C18H22O2	005635-50-7	64





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Operator : JU/SJ
Sample : J5724-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DARK-SOIL(NEAR-BERM)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

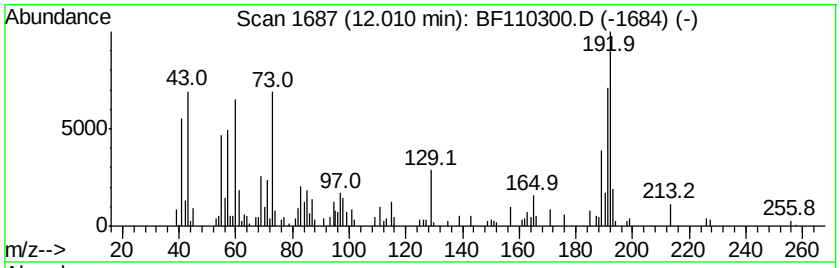
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

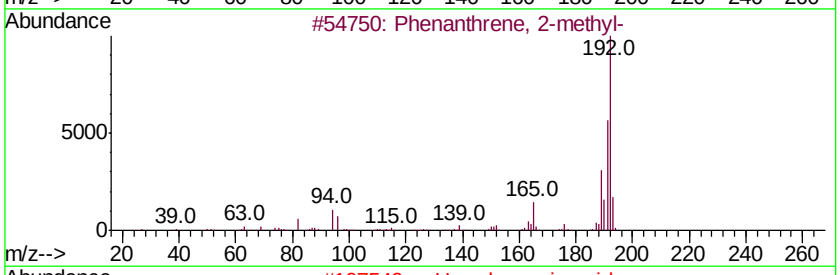
****

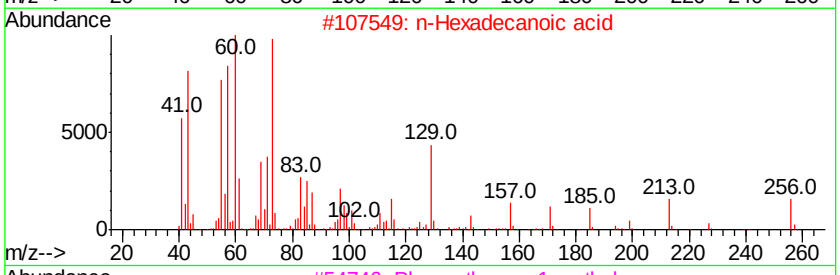
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 12

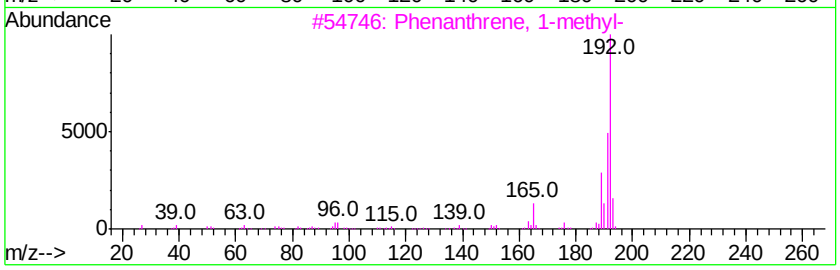
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.63 ng	131144	Phenanthrene-d10	11.51

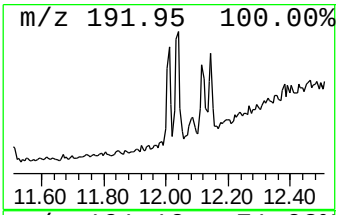
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78

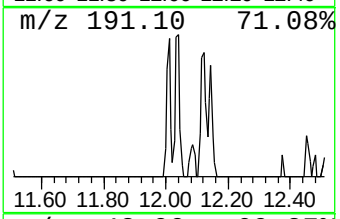


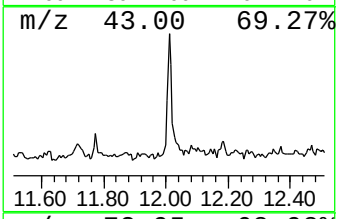


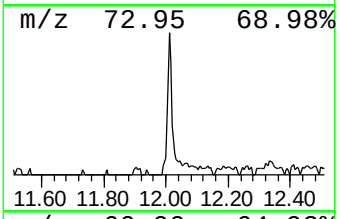


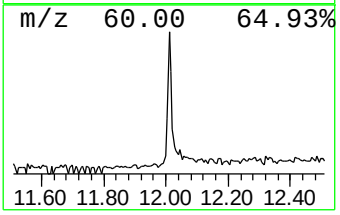












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Instrument : BNA_F
ClientSampleId : DARK-SOIL(NEAR-BERM)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

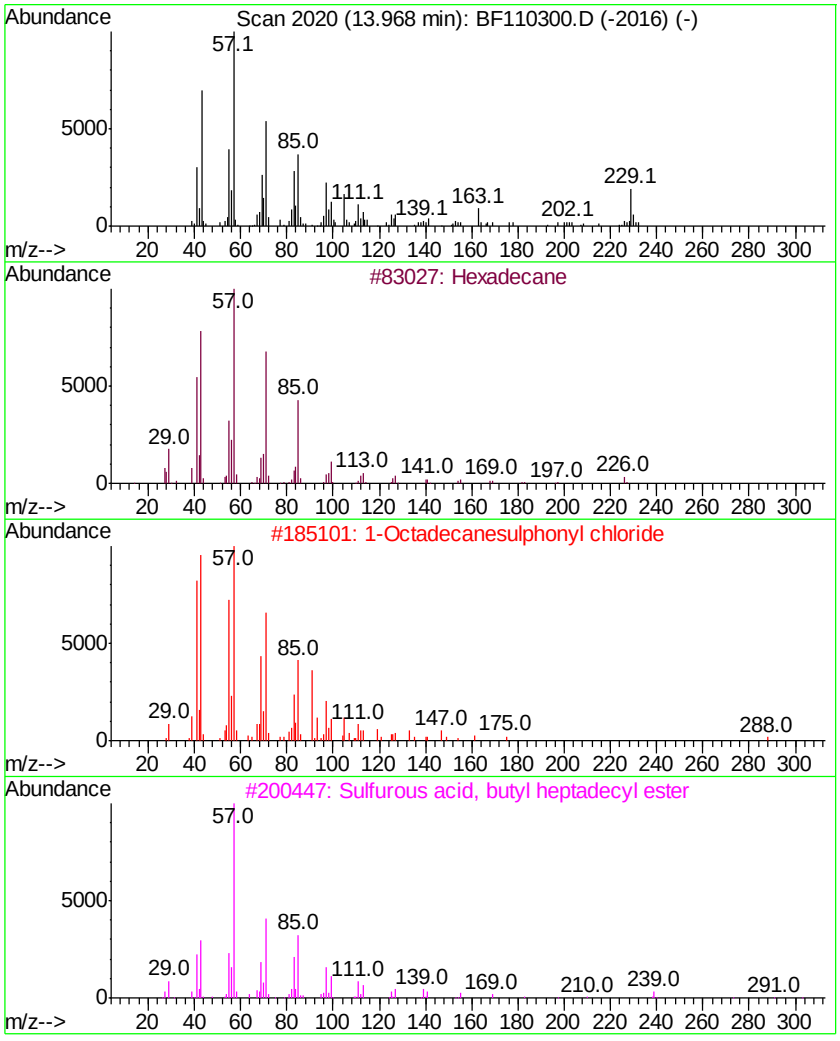
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

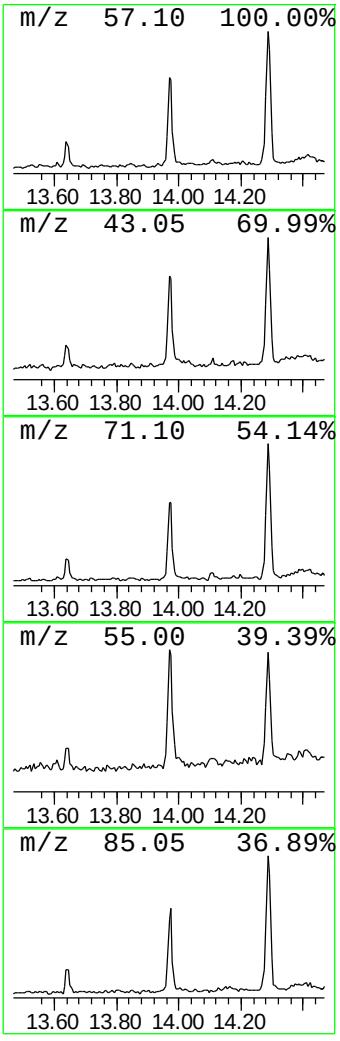
****

Peak Number 7 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	4.20 ng	187516	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	62
3	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	62
4	Tritetracontane	605	C43H88	007098-21-7	58
5	Tetratetracontane	619	C44H90	007098-22-8	52





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Data File : BF110300.D
Acq On : 30 Oct 2018 14:00
Operator : JU/SJ
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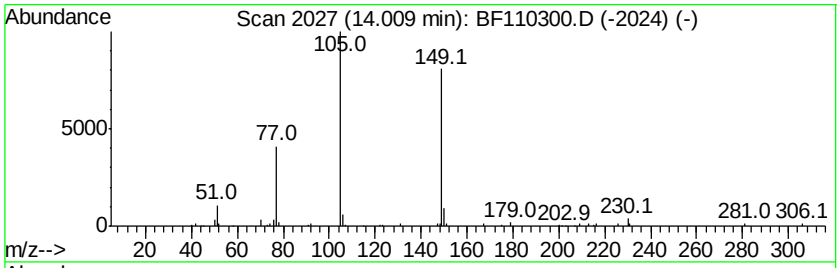
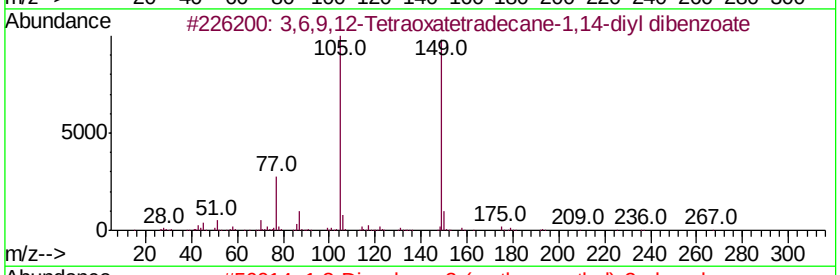
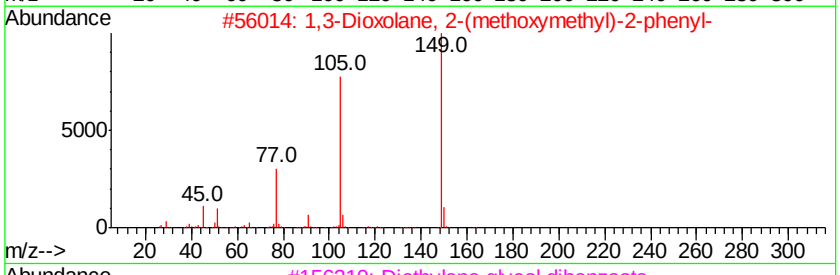
Peak Number 8 3,6,9,12-Tetraoxatetradecan... Concentration Rank 13

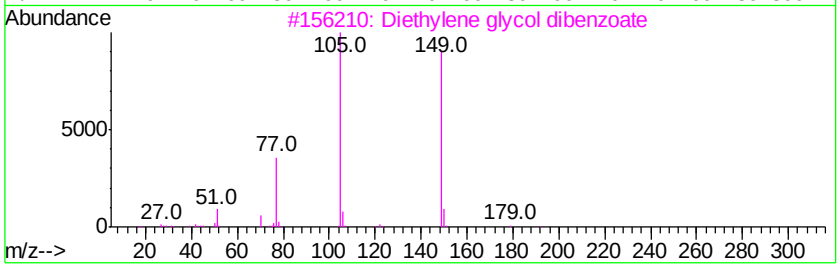
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.39 ng	106765	Chrysene-d12	14.16

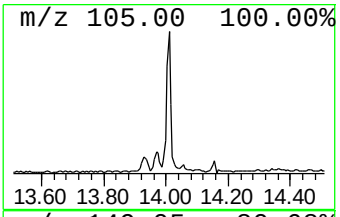
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,9,12-Tetraoxatetradecane-1,1...	446	C24H30O8	1000366-97-0	64
2	1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	64
3	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	64
4	2-(2-Carboxyvinyl)pyridine, trans	149	C8H7NO2	007340-22-9	53
5	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	47

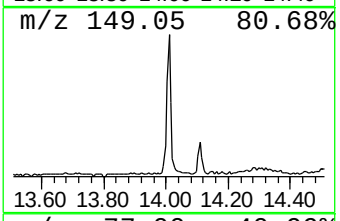


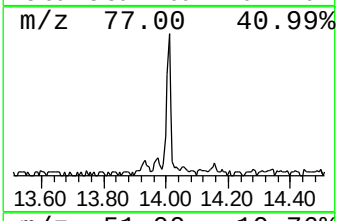


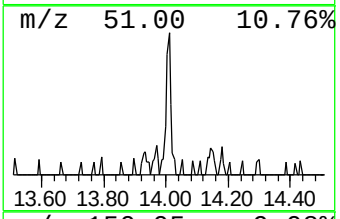


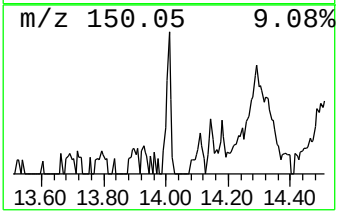












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110300.D
Acq On : 30 Oct 2018 14:00
Operator : JU/SJ
Sample : J5724-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DARK-SOIL(NEAR-BERM)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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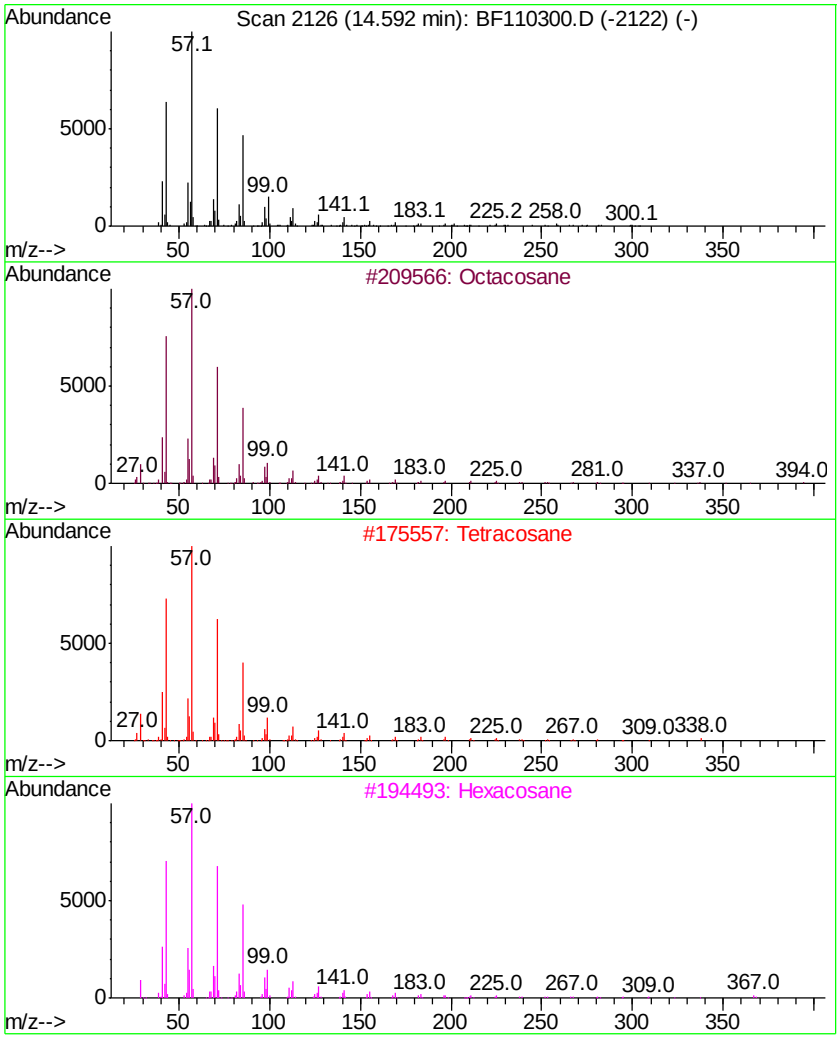
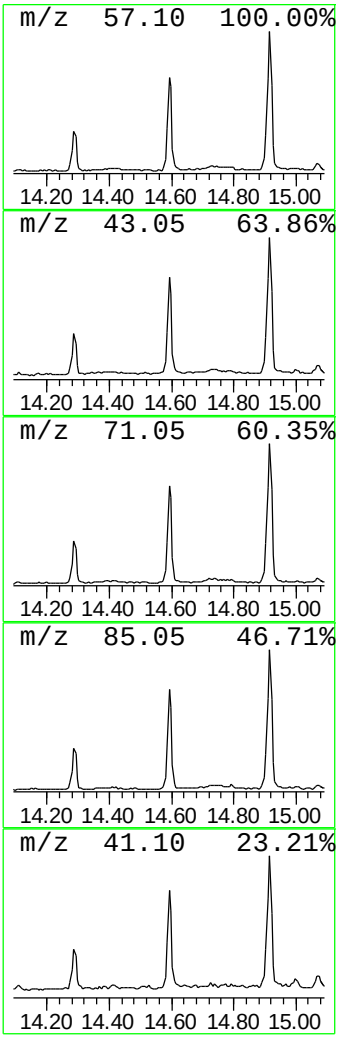
Peak Number 10 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	8.90 ng	397658	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Octadecane	254	C18H38	000593-45-3	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110300.D
Acq On : 30 Oct 2018 14:00
Operator : JU/SJ
Sample : J5724-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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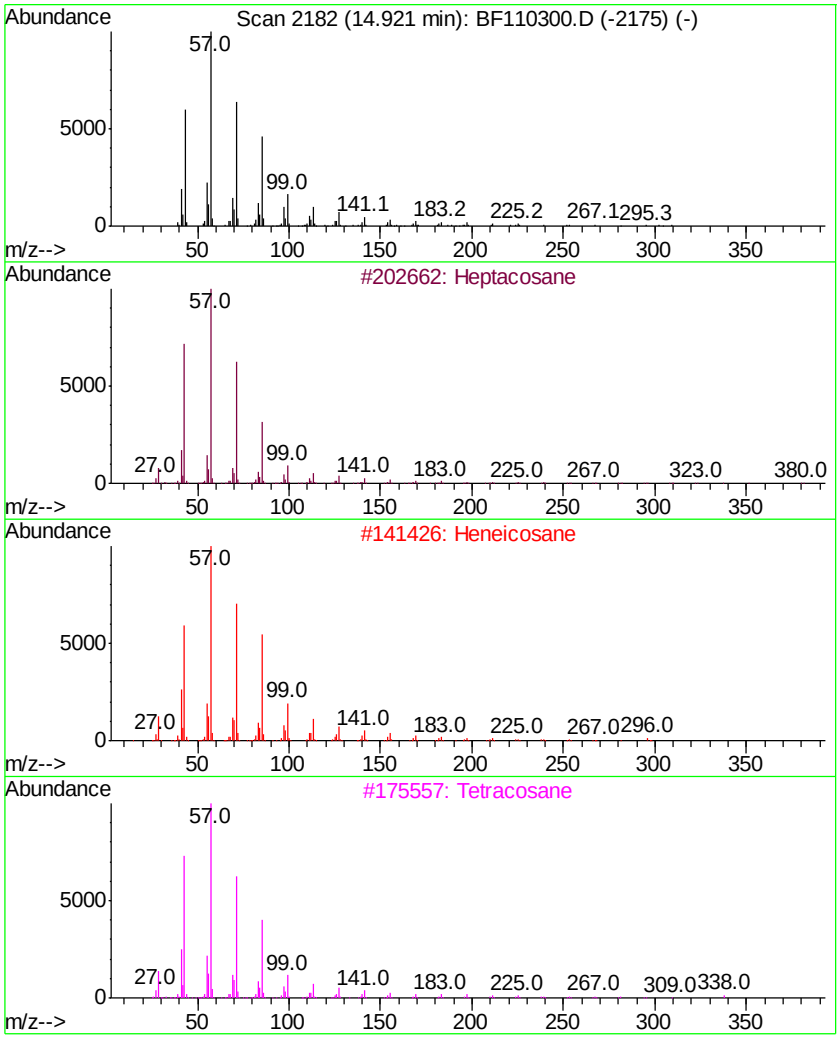
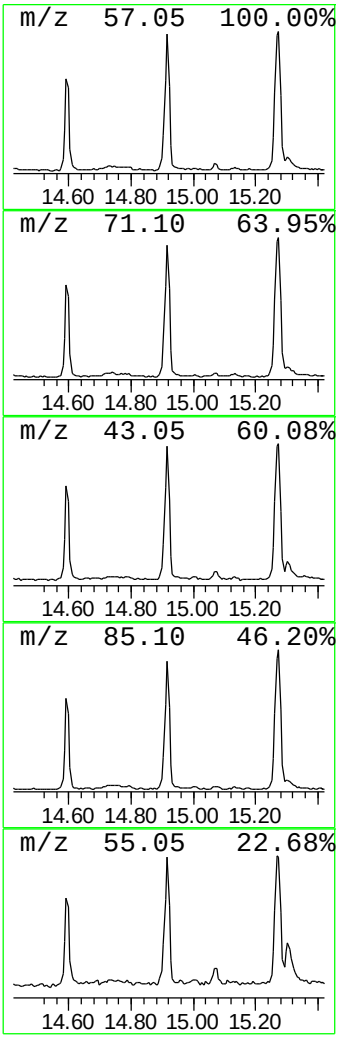
Peak Number 11 Heptacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	13.48 ng	602554	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Docosane	310	C22H46	000629-97-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110300.D
Acq On : 30 Oct 2018 14:00
Operator : JU/SJ
Sample : J5724-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DARK-SOIL(NEAR-BERM)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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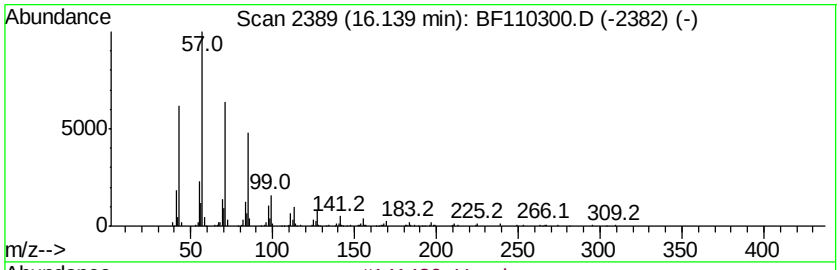
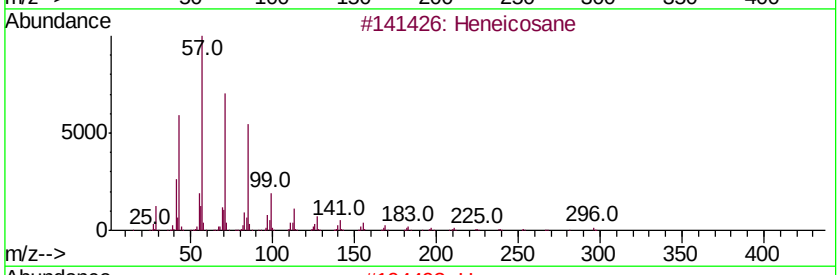
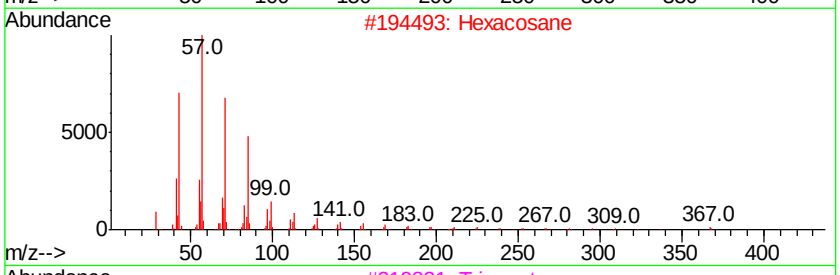
Peak Number 12 Heneicosane Concentration Rank 6

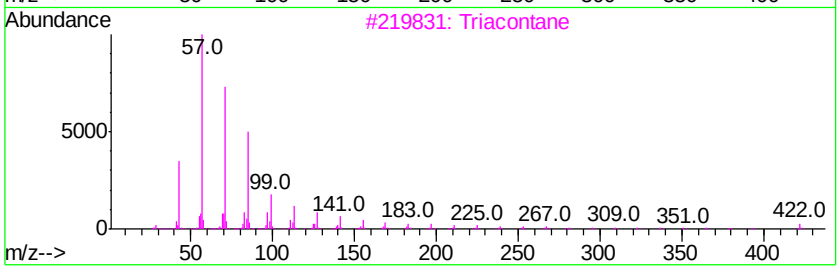
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	9.34 ng	590153	Perylene-d12	15.69

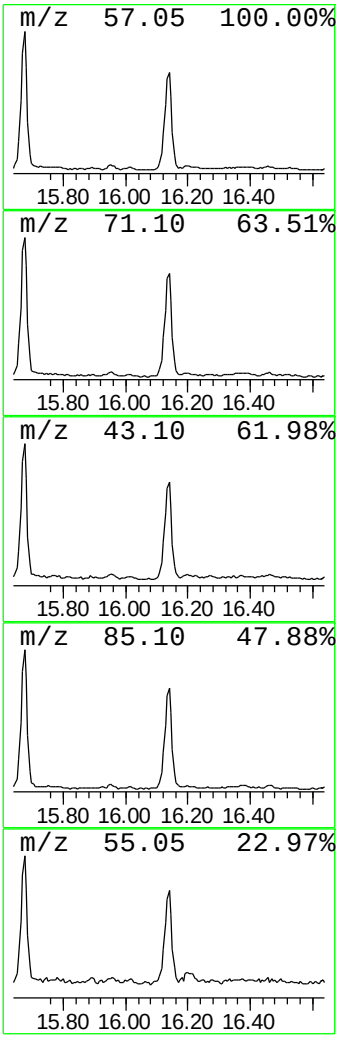
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91











Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103018\
Data File : BF110300.D
Acq On : 30 Oct 2018 14:00
Operator : JU/SJ
Sample : J5724-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DARK-SOIL(NEAR-BERM)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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
Butane, 2-methoxy...	2.34	16.2	ng	575288	1	6.97	710759	20.0
2-Pentanone, 4-hy...	5.22	2.7	ng	96903	1	6.97	710759	20.0
unknown6.74	6.74	63.8	ng	2267920	1	6.97	710759	20.0
Phenol, 4-(1,1-di...	9.43	72.6	ng	3788810	3	10.02	1043820	20.0
Phenanthrene, 2-m...	12.01	2.6	ng	131144	4	11.51	995447	20.0
Hexadecane	13.97	4.2	ng	187516	5	14.16	893740	20.0
3,6,9,12-Tetraoxa...	14.01	2.4	ng	106765	5	14.16	893740	20.0
Octacosane	14.59	8.9	ng	397658	5	14.16	893740	20.0
Heptacosane	14.92	13.5	ng	602554	5	14.16	893740	20.0
Heneicosane	16.14	9.3	ng	590153	6	15.69	1263380	20.0