LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124244.D
Acq On : 10 Jun 2021 21:28
Operator : JU/CG
Sample : M2651-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CON-ED-EXCAVATION

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-BF060321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124244.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.205	16	20	24	rVB2	17298	21902	2.03%	0.250%
2	5.063	503	506	513	rVB	42714	51015	4.73%	0.583%
3	5.481	573	577	587	rBV	1104326	971657	90.15%	11.100%
4	6.493	744	749	752	rBV	1069184	963584	89.41%	11.008%
5	6.675	776	780	786	rBV	22763	20797	1.93%	0.238%
6	6.845	806	809	813	rBV	295269	226383	21.00%	2.586%
7	7.410	901	905	908	rBV	715289	647604	60.09%	7.398%
8	7.875	982	984	993	rBV5	14786	15029	1.39%	0.172%
9	8.128	1024	1027	1032	rVB	344364	288538	26.77%	3.296%
10	8.745	1129	1132	1137	rBV	107039	81684	7.58%	0.933%
11	9.204	1206	1210	1213	rBV	1269507	1077768	100.00%	12.312%
12	9.598	1274	1277	1280	rBV	249928	184277	17.10%	2.105%
13	9.886	1322	1326	1329	rBV	451402	348484	32.33%	3.981%
14	10.675	1456	1460	1464	rBV	882246	833513	77.34%	9.522%
15	11.375	1575	1579	1581	rBV	378861	338189	31.38%	3.863%
16	11.898	1665	1668	1675	rBV2	130144	118845	11.03%	1.358%
17	12.204	1717	1720	1723	rBV	39402	30375	2.82%	0.347%
18	12.586	1782	1785	1788	rBV	31657	26981	2.50%	0.308%
19	12.680	1798	1801	1808	rVB4	36336	36142	3.35%	0.413%
20	12.816	1822	1824	1831	rVB	33462	34459	3.20%	0.394%
21	12.957	1844	1848	1851	rBV	1116327	933224	86.59%	10.661%
22	13.180	1882	1886	1889	rBV3	12042	15844	1.47%	0.181%
23	13.433	1926	1929	1934	rVB	64313	58407	5.42%	0.667%
24	13.857	1998	2001	2010	rBV2	92206	145318	13.48%	1.660%
25	13.916	2010	2011	2016	rVV4	13329	13724	1.27%	0.157%
26	13.957	2016	2018	2021	rVB4	24863	22776	2.11%	0.260%
27	14.016	2021	2028	2031	rBV	287541	303218	28.13%	3.464%
28	14.039	2031	2032	2038	rVB2	19745	12737	1.18%	0.146%
29	14.168	2049	2054	2057	rBV5	12654	22264	2.07%	0.254%
30	14.474	2103	2106	2109	rBV4	24406	30624	2.84%	0.350%
31	14.504	2109	2111	2115	rVB5	21421	25950	2.41%	0.296%
32	14.933	2180	2184	2187	rBV4	25352	31166	2.89%	0.356%
33	15.057	2203	2205	2209	rBV5	23469	33684	3.13%	0.385%
34	15.121	2213	2216	2221	rVB	81370	86471	8.02%	0.988%
35	15.168	2221	2224	2229	rBV5	28534	49965	4.64%	0.571%
36	15.363	2253	2257	2259	rBV5	17924	17027	1.58%	0.195%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.427	2265	2268	2273	rVB3	19247	29223	2.71%	0.334%
38	15.492	2273	2279	2288	rBV	229619	308463	28.62%	3.524%
39	15.710	2313	2316	2320	rVB6	22521	30915	2.87%	0.353%
40	15.945	2353	2356	2359	rVB5	27620	30779	2.86%	0.352%
41	16.015	2362	2368	2374	rBV10	23443	63827	5.92%	0.729%
42	16.457	2440	2443	2447	rBV4	9452	14864	1.38%	0.170%
43	16.745	2489	2492	2499	rVB8	15676	27656	2.57%	0.316%
44	16.980	2527	2532	2538	rBV9	24242	60538	5.62%	0.692%
45	17.157	2559	2562	2563	rBV2	13819	15081	1.40%	0.172%
46	17.562	2626	2631	2633	rBV5	16148	26424	2.45%	0.302%
47	18.127	2723	2727	2734	rVB10	11660	26393	2.45%	0.302%

Sum of corrected areas: 8753788

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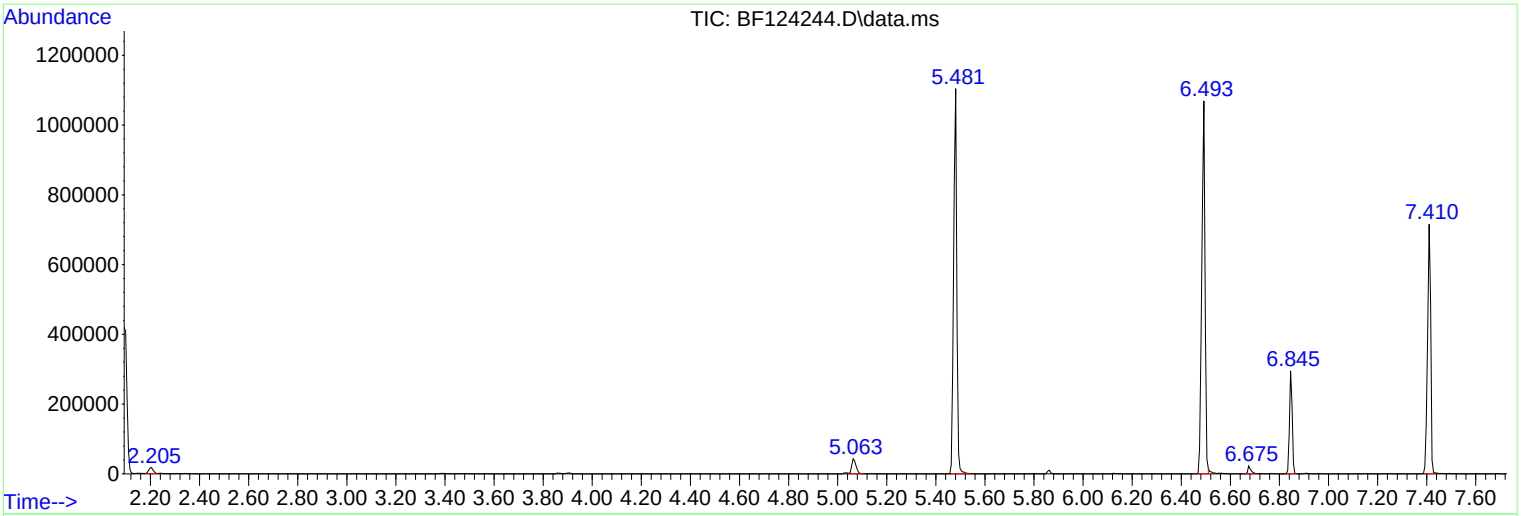
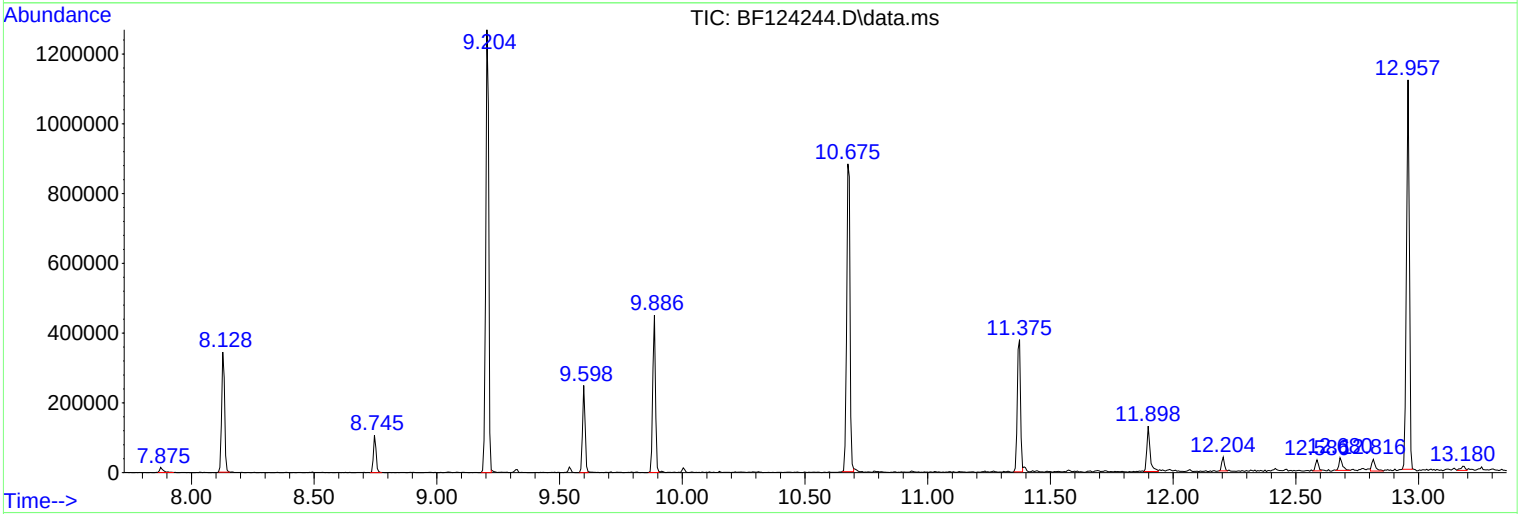
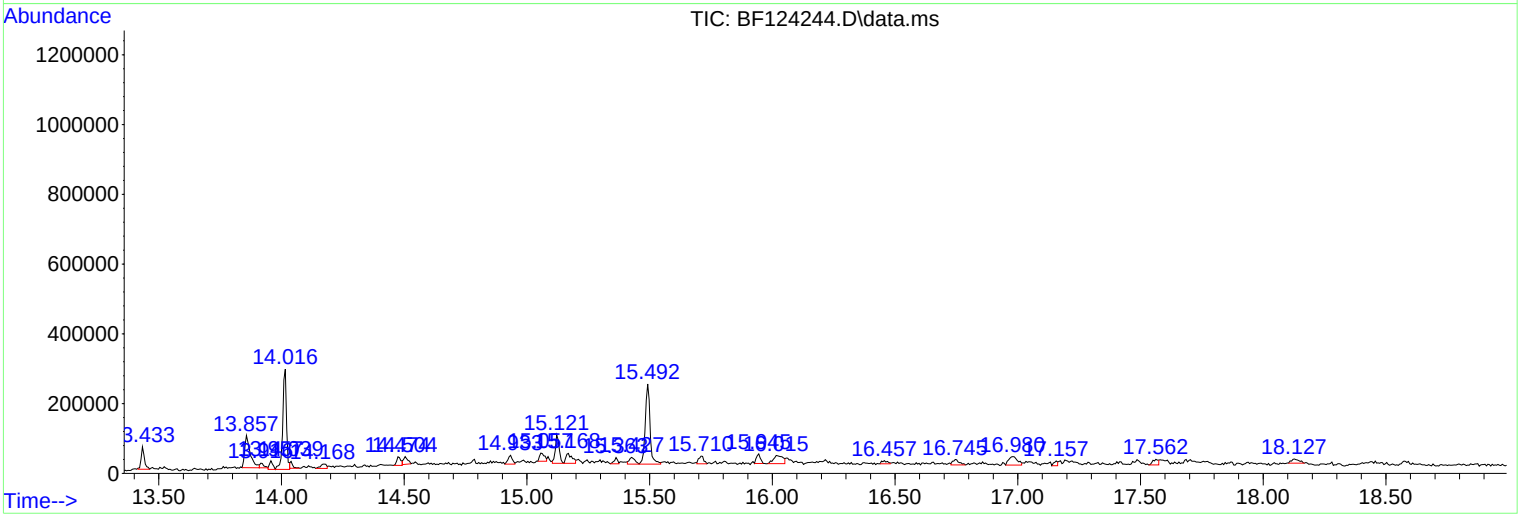
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







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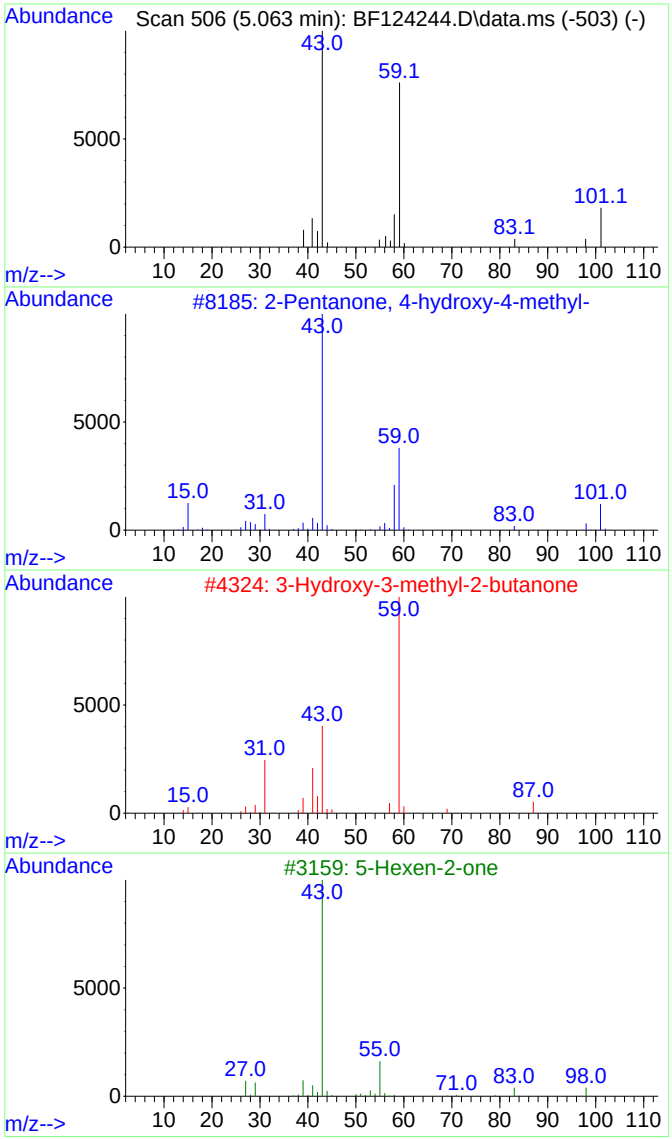
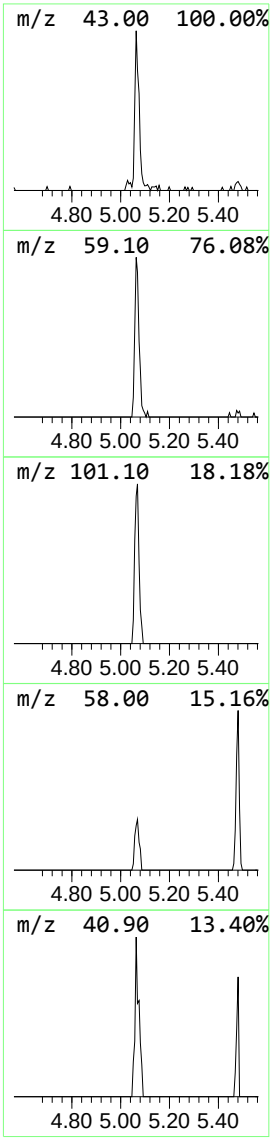
****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.063	4.51 ng	51015	1,4-Dichlorobenzene-d4	6.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	28
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Silane, trimethyl-	74	C3H10Si	000993-07-7	9
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9





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TIC Library : C:\DATABASE\NIST11.L
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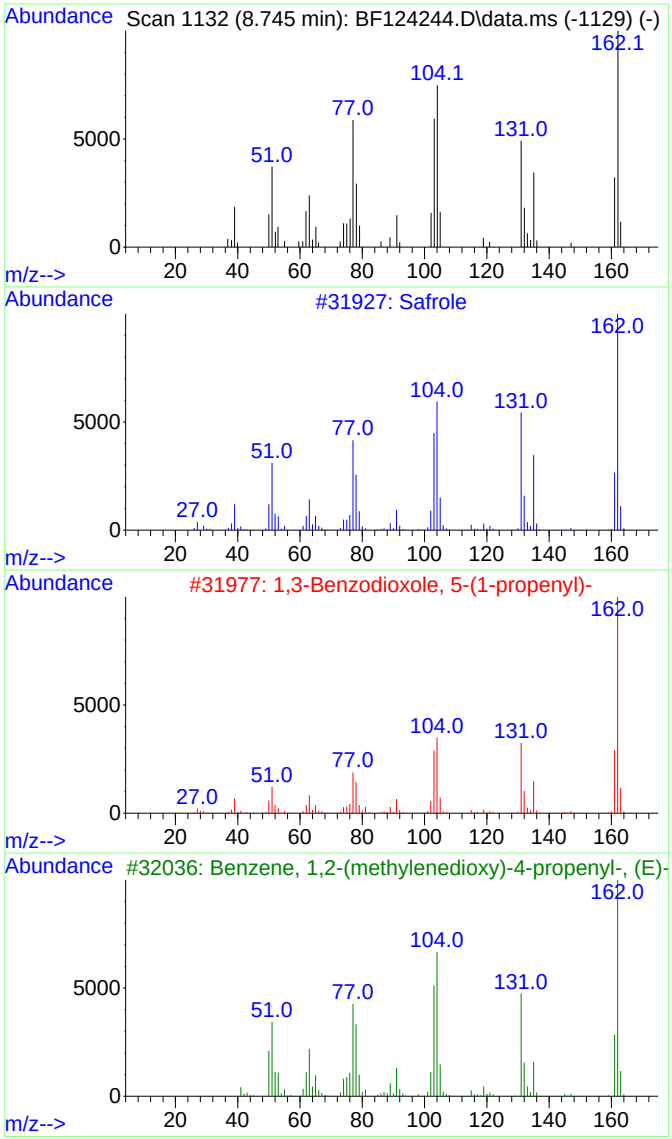
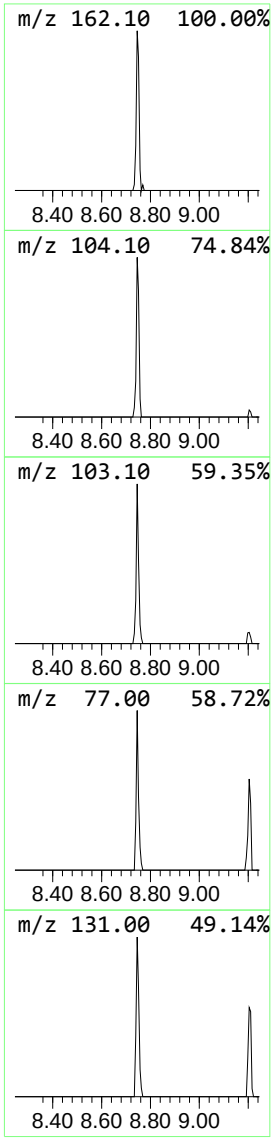
****

Peak Number 2 Safrole Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.745	5.66 ng	81684	Naphthalene-d8	8.128

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Safrole	162	C10H10O2	000094-59-7	98
2	1,3-Benzodioxole, 5-(1-propenyl)-	162	C10H10O2	000120-58-1	97
3	Benzene, 1,2-(methylenedioxy)-4-...	162	C10H10O2	004043-71-4	96
4	1,3-Benzodioxole, 5-(1-propenyl)...	162	C10H10O2	017627-76-8	96
5	Sydnone, 3-phenyl-	162	C8H6N2O2	000120-06-9	53





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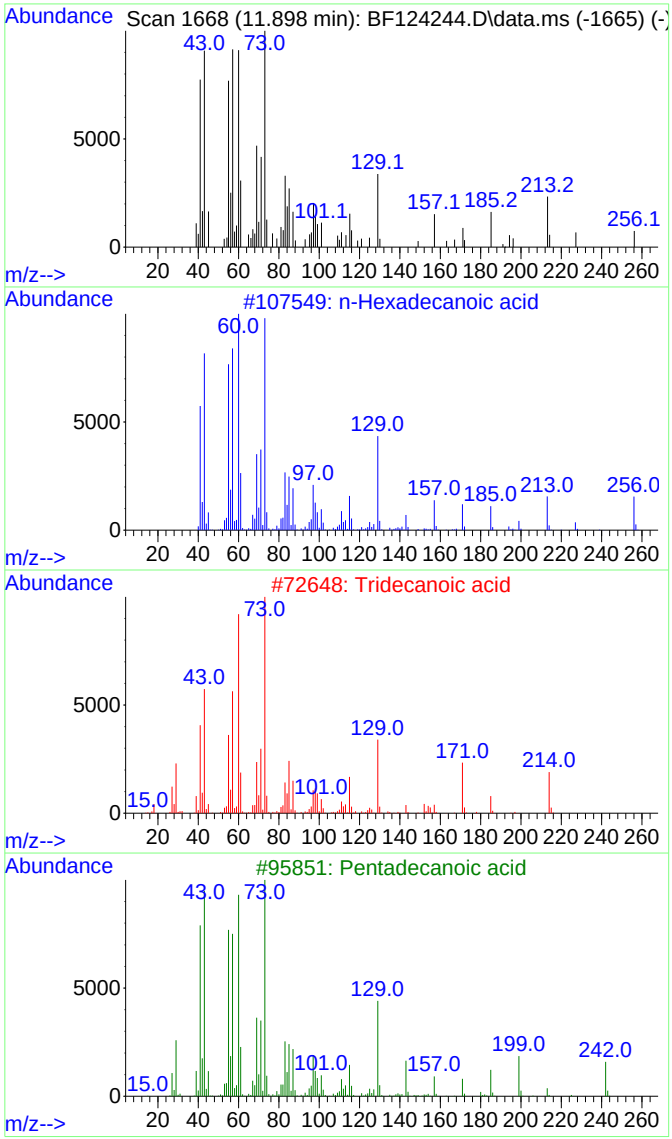
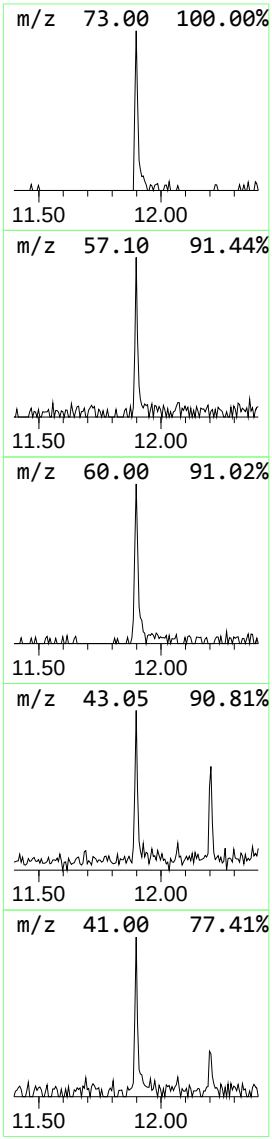
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	7.03 ng	118845	Phenanthrene-d10	11.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
2	Tridecanoic acid	214	C13H26O2	000638-53-9	81
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	80
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Dodecanoic acid	200	C12H24O2	000143-07-7	58





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ClientSampleId :
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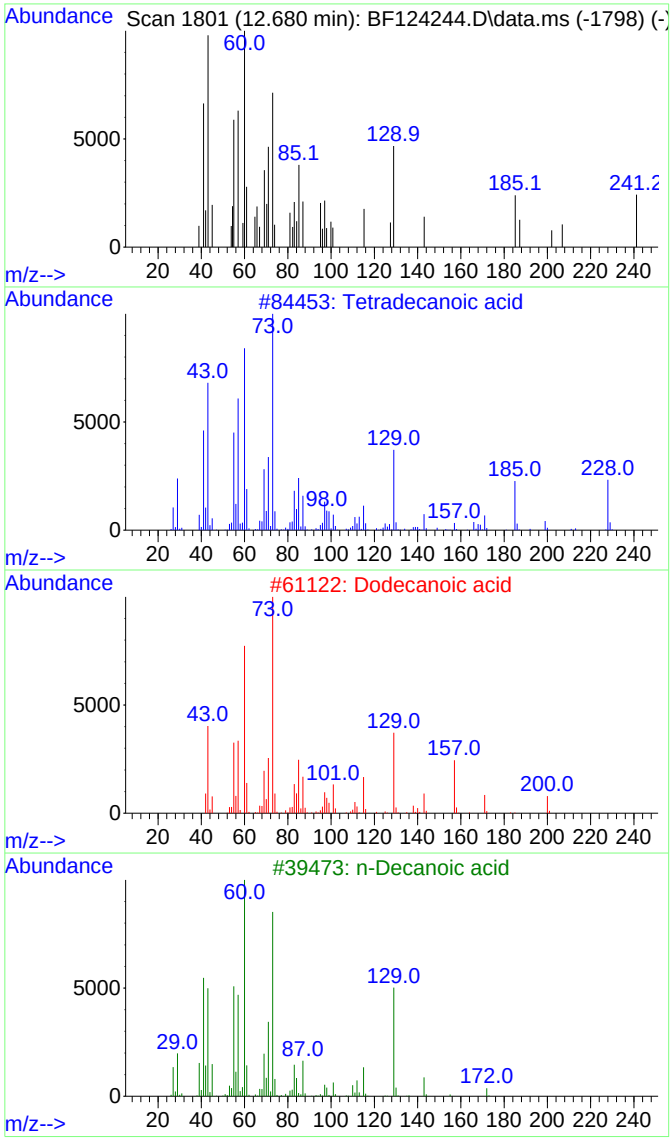
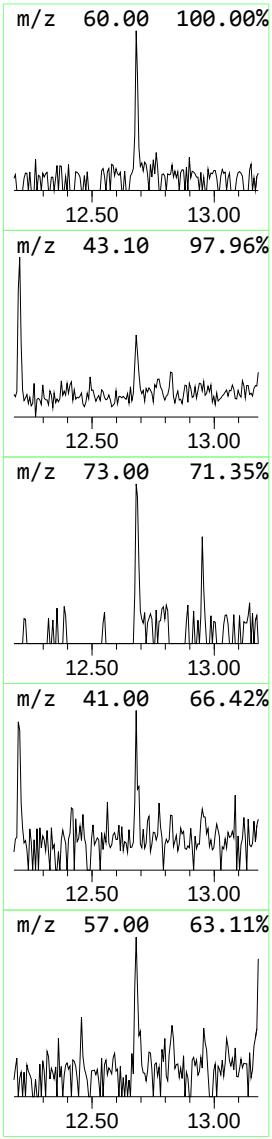
****

Peak Number 4 Tetradecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.680	2.14 ng	36142	Phenanthrene-d10	11.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
2	Dodecanoic acid	200	C12H24O2	000143-07-7	53
3	n-Decanoic acid	172	C10H20O2	000334-48-5	43
4	.alpha.-D-Glucopyranoside, O-.al...	504	C18H32O16	000597-12-6	22
5	Oxalic acid, cyclobutyl tetradec...	340	C20H36O4	1000309-70-9	14





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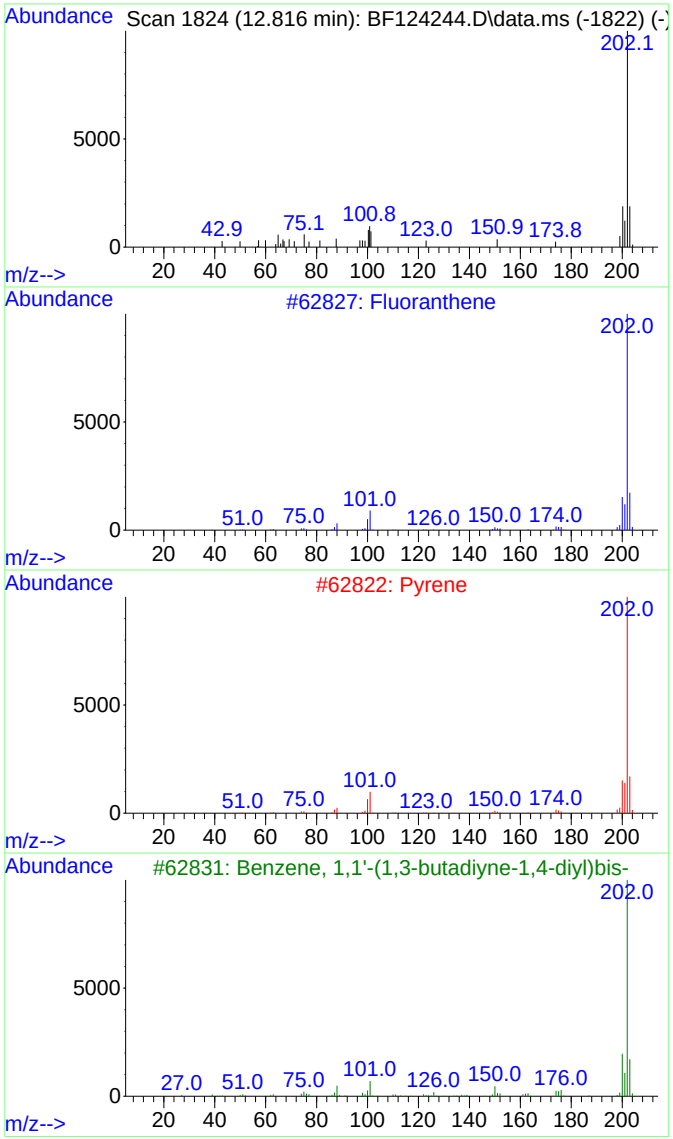
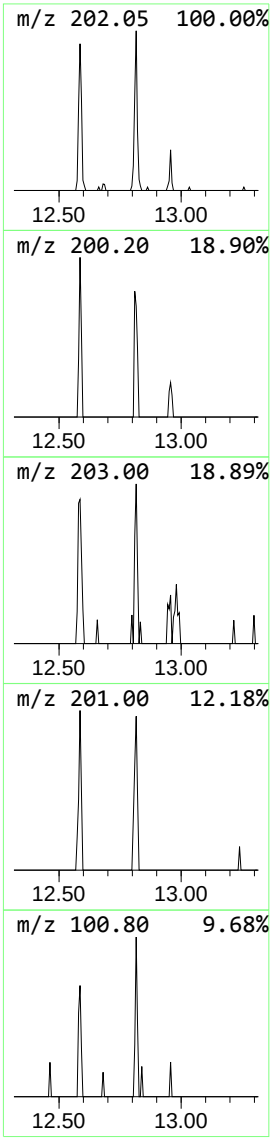
****
Peak Number 5 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.816	2.27 ng	34459	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	80
2	Pyrene	202	C16H10	000129-00-0	80
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	72
4	l-Leucine, N-methyl-N-(2-methoxy...	457	C26H51NO5	1000328-54-9	33
5	4-Isothiazolecarbonitrile, 3,5-b...	202	C6H6N2S3	004886-13-9	9





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TIC Library : C:\DATABASE\NIST11.L
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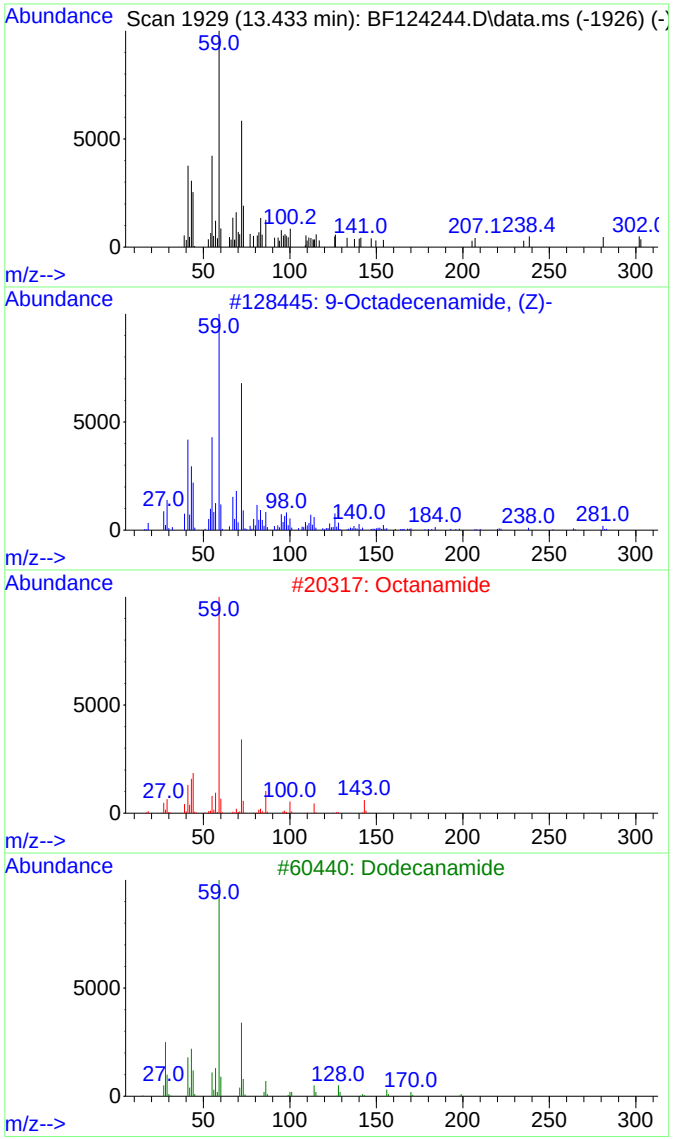
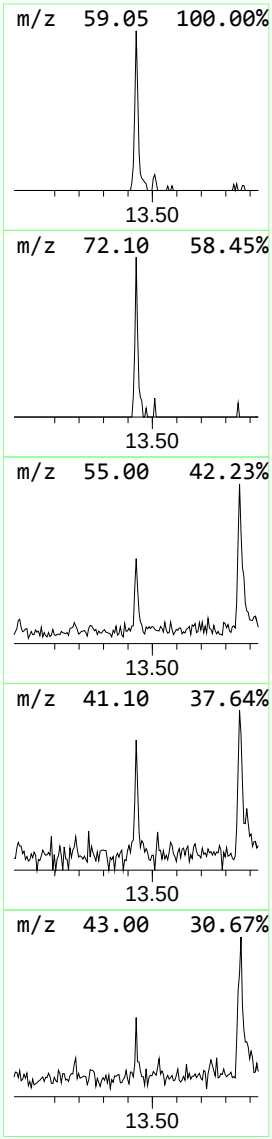
Peak Number 6 9-Octadecenamide, (Z)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.433	3.85 ng	58407	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	81
2	Octanamide	143	C8H17NO	000629-01-6	50
3	Dodecanamide	199	C12H25NO	001120-16-7	45
4	Cyclopentanemethanol, .alpha.,.a...	128	C8H16O	001462-06-2	27
5	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	27





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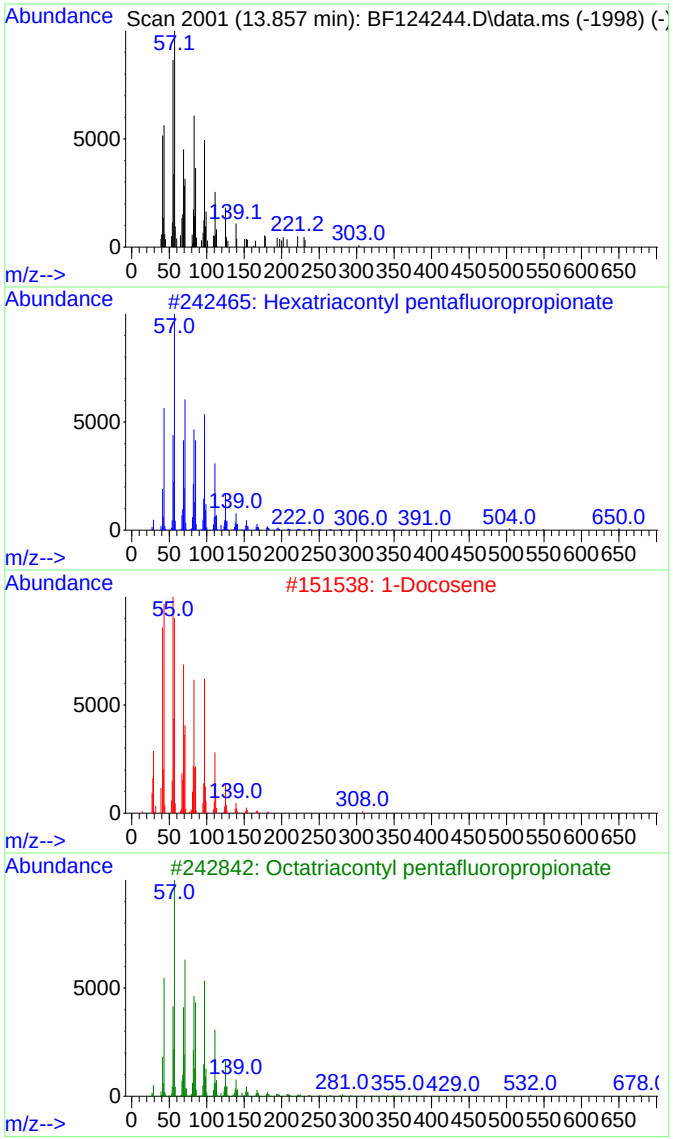
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

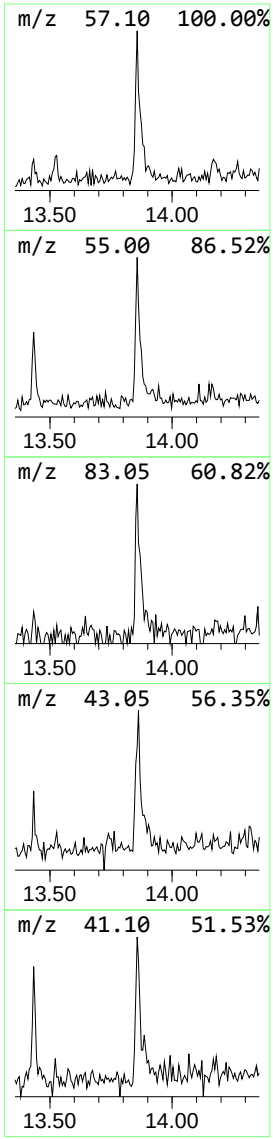
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Hexatriacontyl pentafluorop... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.857	9.59 ng	145318	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	86
2	1-Docosene	308	C22H44	001599-67-3	76
3	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	74
4	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	72
5	Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	64





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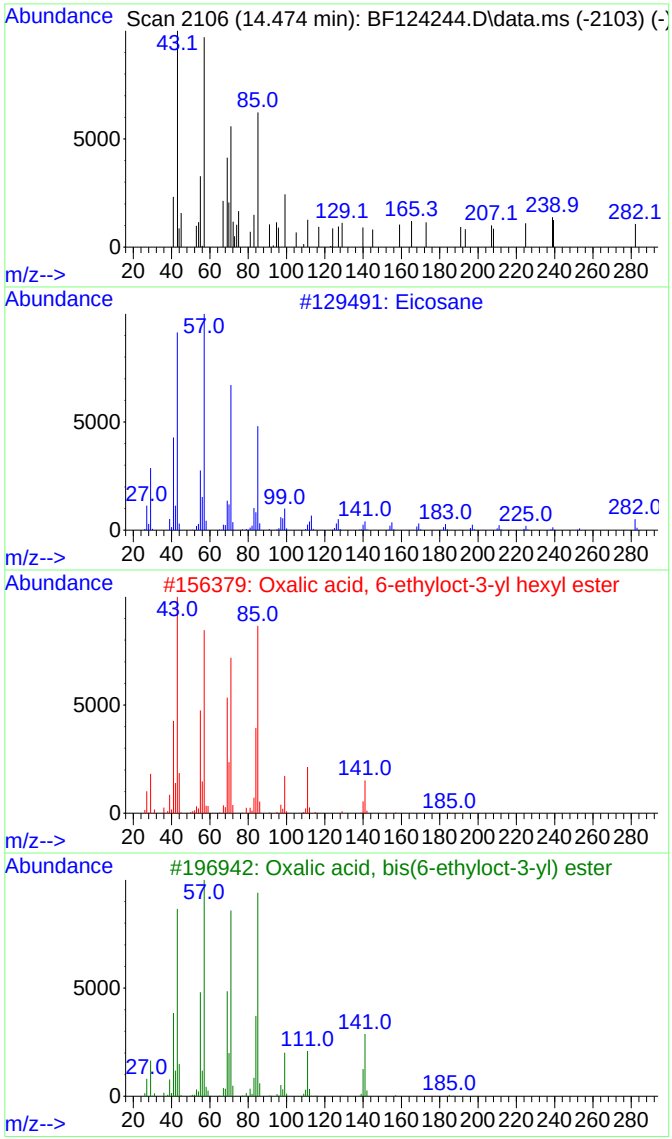
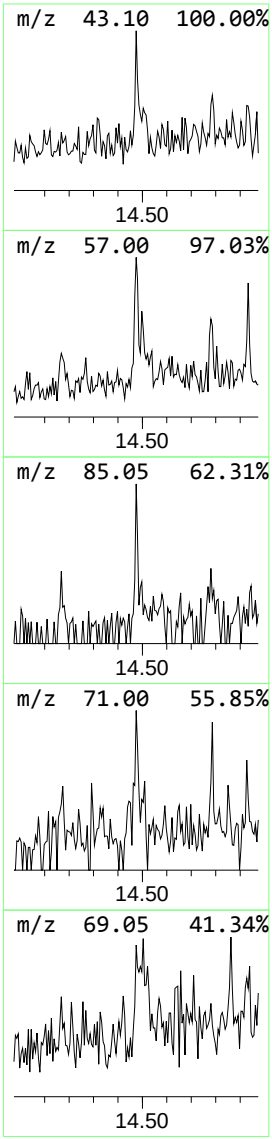
Peak Number 8 unknown14.474 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.474	2.02 ng	30624	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	43
2	Oxalic acid, 6-ethyloct-3-yl hex...	314	C18H34O4	1000309-34-4	38
3	Oxalic acid, bis(6-ethyloct-3-yl...	370	C22H42O4	1000309-34-6	38
4	Di-n-decylsulfone	346	C20H42O2S	111530-37-1	37
5	Oxalic acid, 6-ethyloct-3-yl pro...	272	C15H28O4	1000309-34-0	35





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Acq On : 10 Jun 2021 21:28
Operator : JU/CG
Sample : M2651-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CON-ED-EXCAVATION

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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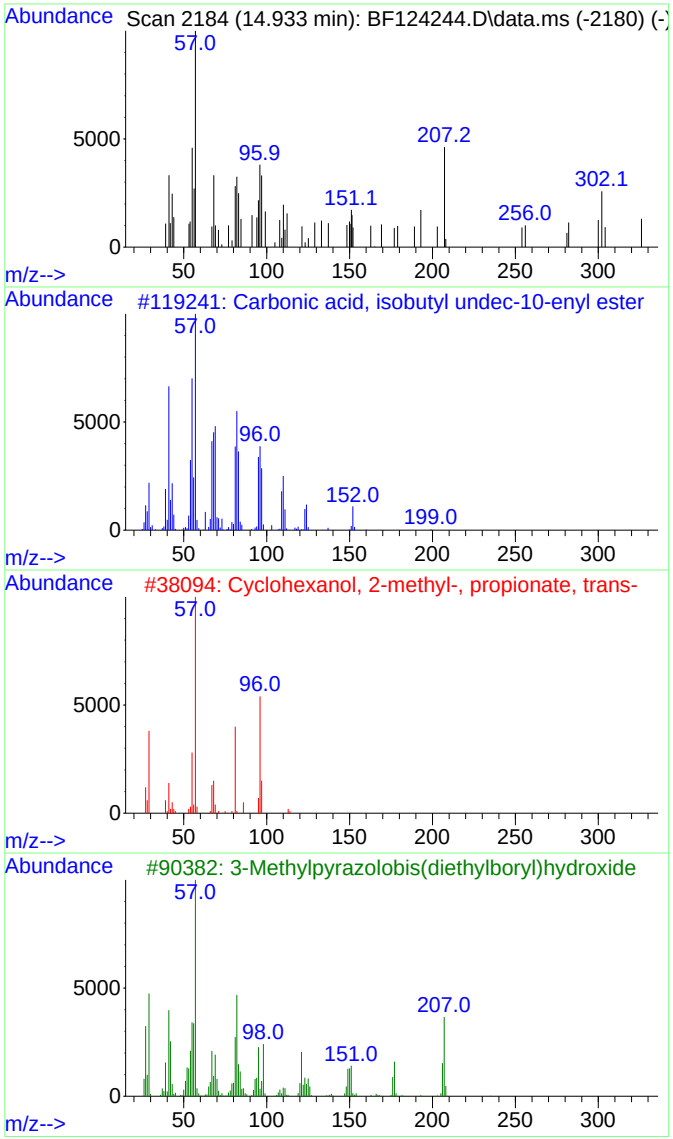
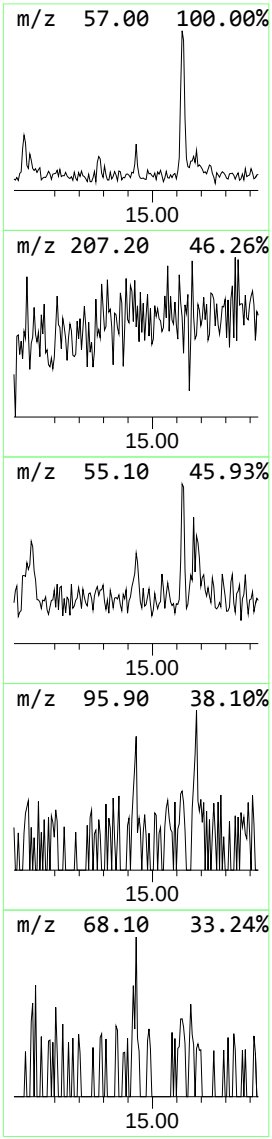
Peak Number 9 unknown14.933 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.933	2.02 ng	31166	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, isobutyl undec-10...	270	C16H30O3	1000314-60-8	9
2	Cyclohexanol, 2-methyl-, propion...	170	C10H18O2	015287-79-3	9
3	3-Methylpyrazolobis(diethylboryl...	236	C12H26B2N2O	1000159-71-9	9
4	Propanamide, N-(4-methoxyphenyl)...	207	C12H17NO2	056619-94-4	7
5	Z-2-Dodecenol	184	C12H24O	069064-36-4	7





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Operator : JU/CG
Sample : M2651-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CON-ED-EXCAVATION

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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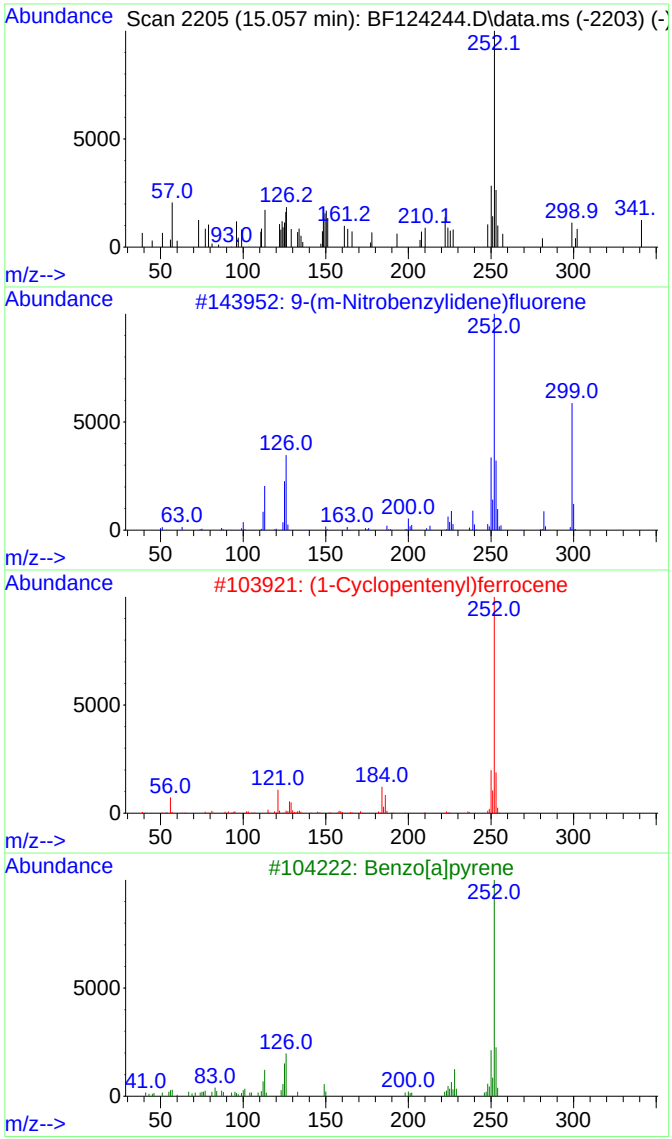
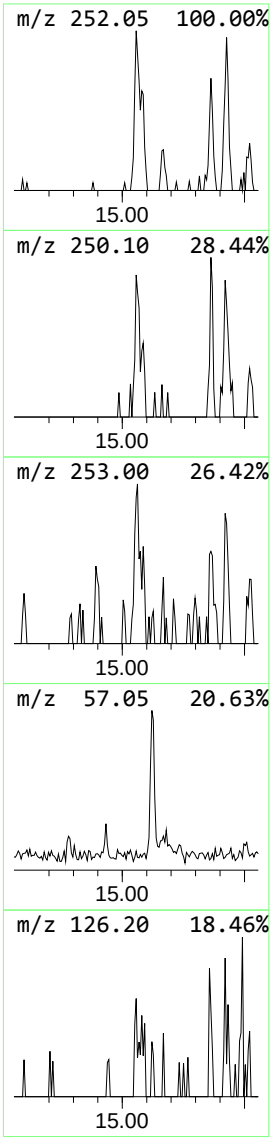
Peak Number 10 9-(m-Nitrobenzylidene)fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.057	2.18 ng	33684	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-(m-Nitrobenzylidene)fluorene	299	C20H13NO2	004421-51-6	76
2	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	50
3	Benzo[a]pyrene	252	C20H12	000050-32-8	49
4	Benzo[e]pyrene	252	C20H12	000192-97-2	47
5	Phenyl-(5-phenylthiazol-2-yl)-amine	252	C15H12N2S	306321-46-0	47





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Operator : JU/CG
Sample : M2651-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CON-ED-EXCAVATION

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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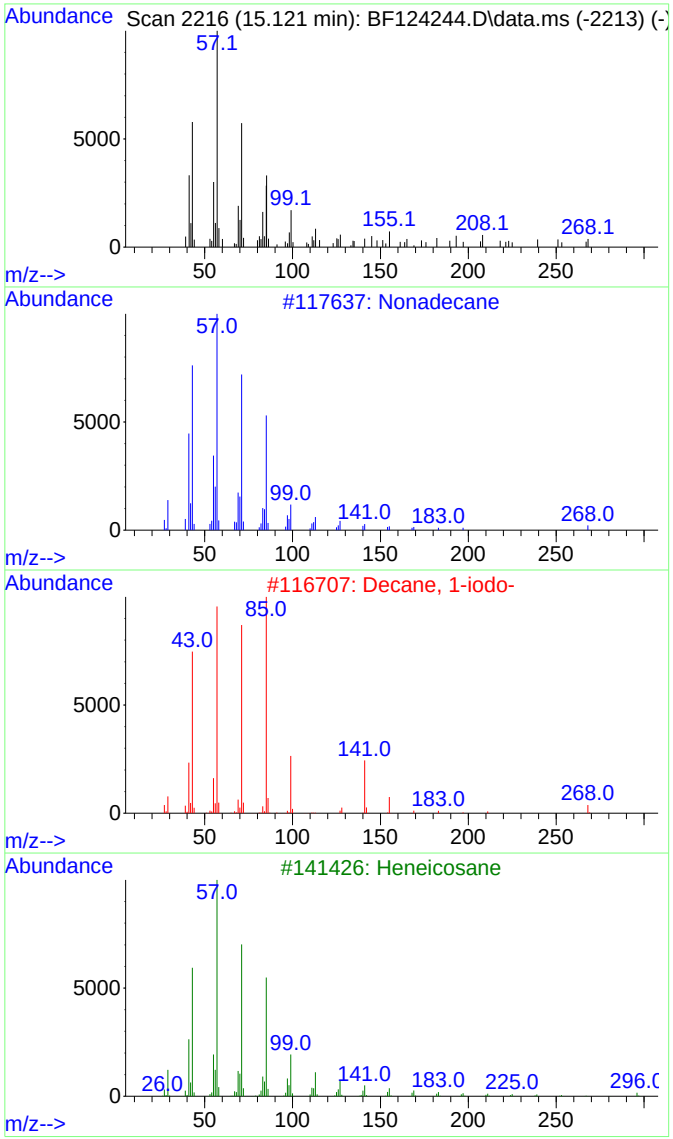
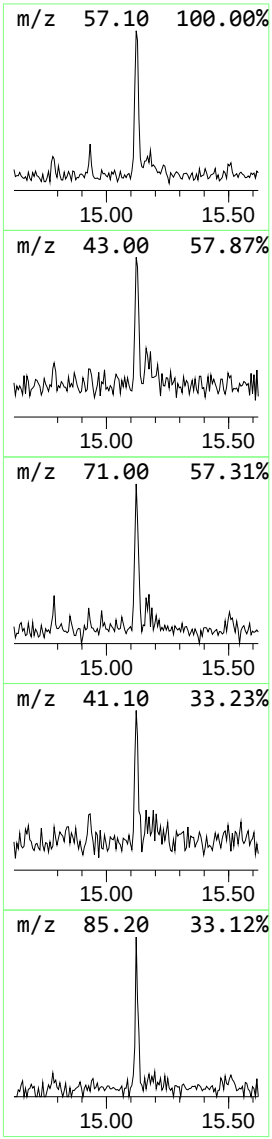
Peak Number 11 Nonadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.121	5.61 ng	86471	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Decane, 1-iodo-	268	C10H21I	002050-77-3	76
3	Heneicosane	296	C21H44	000629-94-7	64
4	Oxalic acid, bis(6-ethyloct-3-yl...	370	C22H42O4	1000309-34-6	58
5	Decane, 3-bromo-	220	C10H21Br	030571-71-2	53





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Acq On : 10 Jun 2021 21:28
Operator : JU/CG
Sample : M2651-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CON-ED-EXCAVATION

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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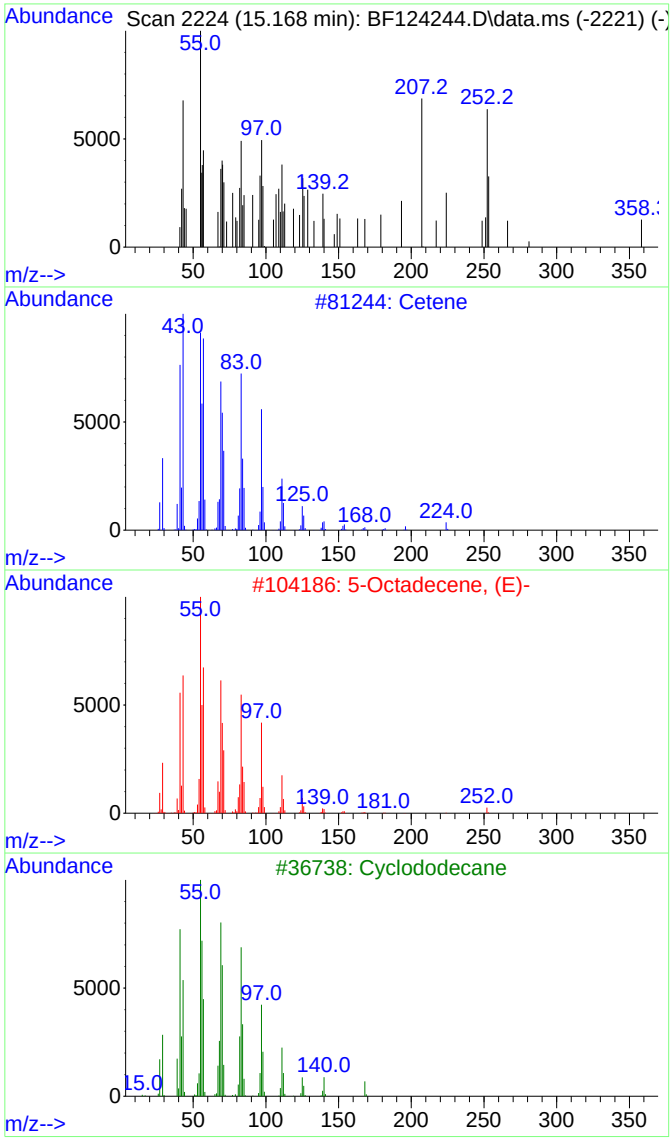
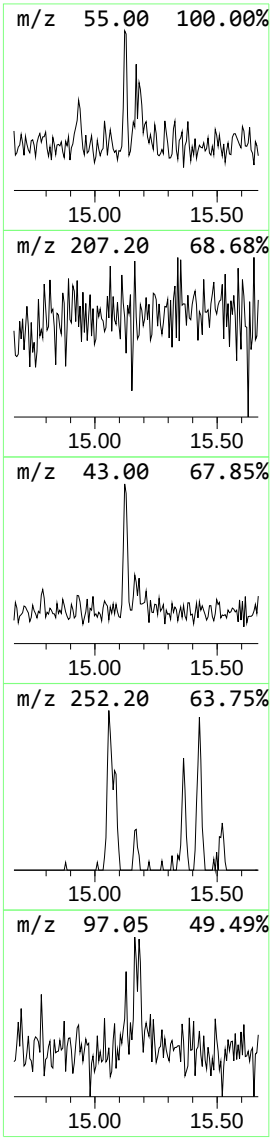
Peak Number 12 Cetene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.168	3.24 ng	49965	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetene	224	C16H32	000629-73-2	55
2	5-Octadecene, (E)-	252	C18H36	007206-21-5	46
3	Cyclododecane	168	C12H24	000294-62-2	46
4	1-Decene	140	C10H20	000872-05-9	38
5	E-7-Octadecene	252	C18H36	1000130-92-0	38





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Operator : JU/CG
Sample : M2651-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CON-ED-EXCAVATION

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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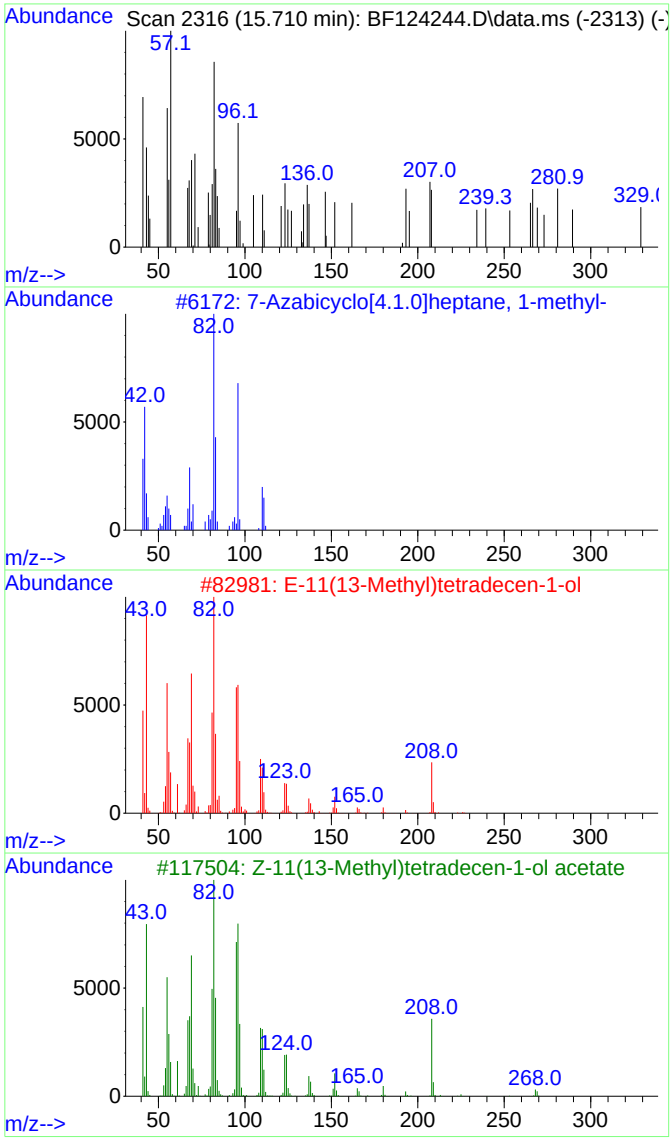
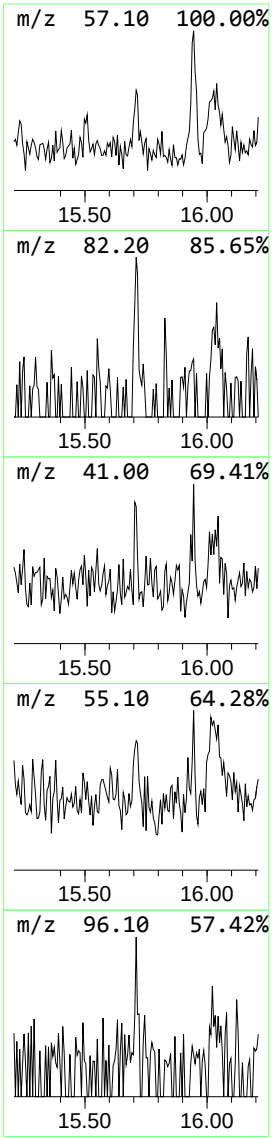
Peak Number 13 unknown15.710 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.710	2.00 ng	30915	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Azabicyclo[4.1.0]heptane, 1-me...	111	C7H13N	025022-25-7	43
2	E-11(13-Methyl)tetradecen-1-ol	226	C15H30O	1000130-80-3	43
3	Z-11(13-Methyl)tetradecen-1-ol a...	268	C17H32O2	1000131-33-3	43
4	E-11(13-Methyl)tetradecen-1-ol a...	268	C17H32O2	1000130-80-4	37
5	1,19-Eicosadiene	278	C20H38	014811-95-1	32





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Sample : M2651-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CON-ED-EXCAVATION

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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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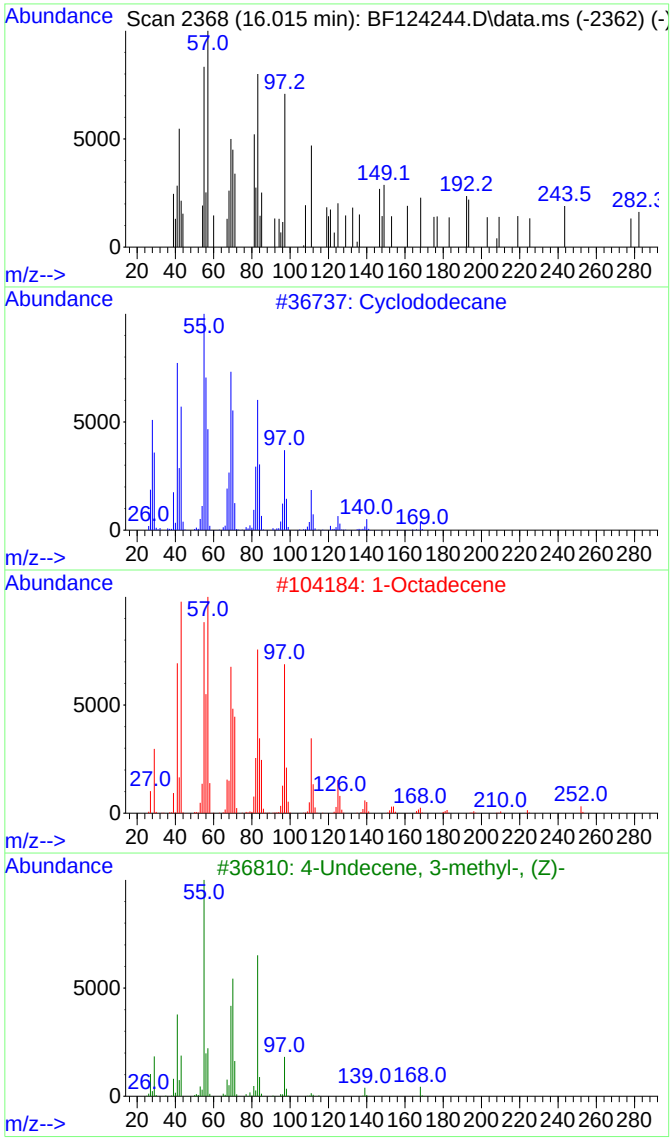
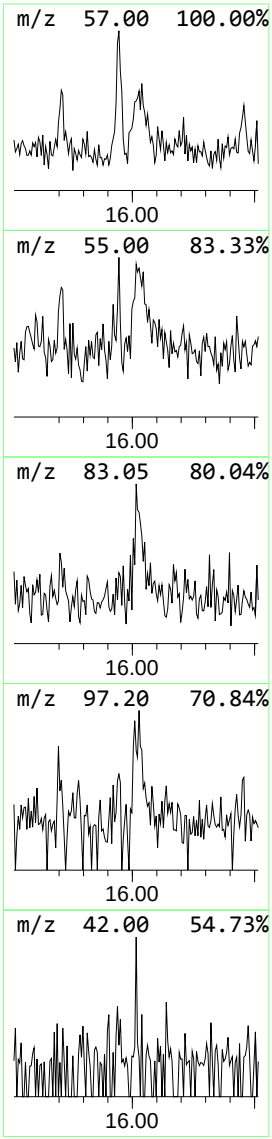
Peak Number 14 Cyclododecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.015	4.14 ng	63827	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclododecane	168	C12H24	000294-62-2	52
2	1-Octadecene	252	C18H36	000112-88-9	46
3	4-Undecene, 3-methyl-, (Z)-	168	C12H24	074645-87-7	27
4	4-Undecene, 5-methyl-	168	C12H24	020634-43-9	27
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	25





Tentatively Identified Compound (LSC) summary

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Data File : BF124244.D
Acq On : 10 Jun 2021 21:28
Operator : JU/CG
Sample : M2651-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CON-ED-EXCAVATION

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.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
2-Pentanone, 4-...	5.063	4.5	ng	51015	1	6.845	226383	20.0
Safrole	8.745	5.7	ng	81684	2	8.128	288538	20.0
n-Hexadecanoic ...	11.898	7.0	ng	118845	4	11.374	338189	20.0
Tetradecanoic acid	12.680	2.1	ng	36142	4	11.374	338189	20.0
Benzene, 1,1'-(...	12.816	2.3	ng	34459	5	14.015	303218	20.0
9-Octadecenamid...	13.433	3.9	ng	58407	5	14.015	303218	20.0
Hexatriacontyl ...	13.857	9.6	ng	145318	5	14.015	303218	20.0
unknown14.474	14.474	2.0	ng	30624	5	14.015	303218	20.0
unknown14.933	14.933	2.0	ng	31166	6	15.492	308463	20.0
9-(m-Nitrobenzy...	15.057	2.2	ng	33684	6	15.492	308463	20.0
Nonadecane	15.121	5.6	ng	86471	6	15.492	308463	20.0
Cetene	15.168	3.2	ng	49965	6	15.492	308463	20.0
unknown15.710	15.710	2.0	ng	30915	6	15.492	308463	20.0
Cyclododecane	16.015	4.1	ng	63827	6	15.492	308463	20.0