LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
Data File : BF131443.D
Acq On : 28 Nov 2022 22:37
Operator : CG\JU
Sample : N5752-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-13S

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-BF112122.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF131443.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.269	23	31	38	rVB	318231	441499	13.23%	1.803%
2	2.381	44	50	59	rVB	69800	96062	2.88%	0.392%
3	5.181	521	526	535	rVB	679197	852568	25.55%	3.482%
4	5.575	587	593	596	rBV	2942348	3125978	93.69%	12.767%
5	6.575	757	763	766	rBV	2826482	3090649	92.63%	12.623%
6	6.951	823	827	830	rVB	938648	747499	22.40%	3.053%
7	7.522	919	924	927	rBV	2007127	1985056	59.49%	8.107%
8	8.239	1042	1046	1050	rBV	1094457	904246	27.10%	3.693%
9	9.322	1225	1230	1233	rBV	3758939	3336523	100.00%	13.627%
10	9.398	1239	1243	1246	rBV	117214	126671	3.80%	0.517%
11	9.651	1284	1286	1293	rVB4	35750	56012	1.68%	0.229%
12	9.710	1293	1296	1300	rBV2	340326	285430	8.55%	1.166%
13	9.769	1303	1306	1309	rBV	127446	114407	3.43%	0.467%
14	9.816	1312	1314	1317	rVB3	81929	66843	2.00%	0.273%
15	9.869	1320	1323	1325	rBV2	253965	232083	6.96%	0.948%
16	9.916	1328	1331	1334	rVB	407844	345618	10.36%	1.412%
17	9.957	1334	1338	1340	rBV	118791	150776	4.52%	0.616%
18	10.010	1340	1347	1350	rVB	1042286	1036497	31.07%	4.233%
19	10.039	1350	1352	1356	rBV2	201543	249630	7.48%	1.020%
20	10.328	1398	1401	1402	rBV2	103165	109821	3.29%	0.449%
21	10.345	1402	1404	1406	rVV	208879	171265	5.13%	0.699%
22	10.380	1407	1410	1412	rVV2	154303	163648	4.90%	0.668%
23	10.416	1413	1416	1419	rVB2	408314	346679	10.39%	1.416%
24	10.469	1423	1425	1430	rVB5	166521	221798	6.65%	0.906%
25	10.728	1466	1469	1471	rBV	483792	399393	11.97%	1.631%
26	10.804	1478	1482	1485	rBV	1652337	1600358	47.96%	6.536%
27	10.922	1499	1502	1505	rBV	643151	656662	19.68%	2.682%
28	11.398	1580	1583	1589	rVB	549967	618434	18.54%	2.526%
29	11.510	1599	1602	1604	rBV	938259	857308	25.69%	3.501%
30	11.533	1604	1606	1611	rVB	583007	569216	17.06%	2.325%
31	13.116	1873	1875	1879	rVB	1677241	1525908	45.73%	6.232%

Sum of corrected areas: 24484537

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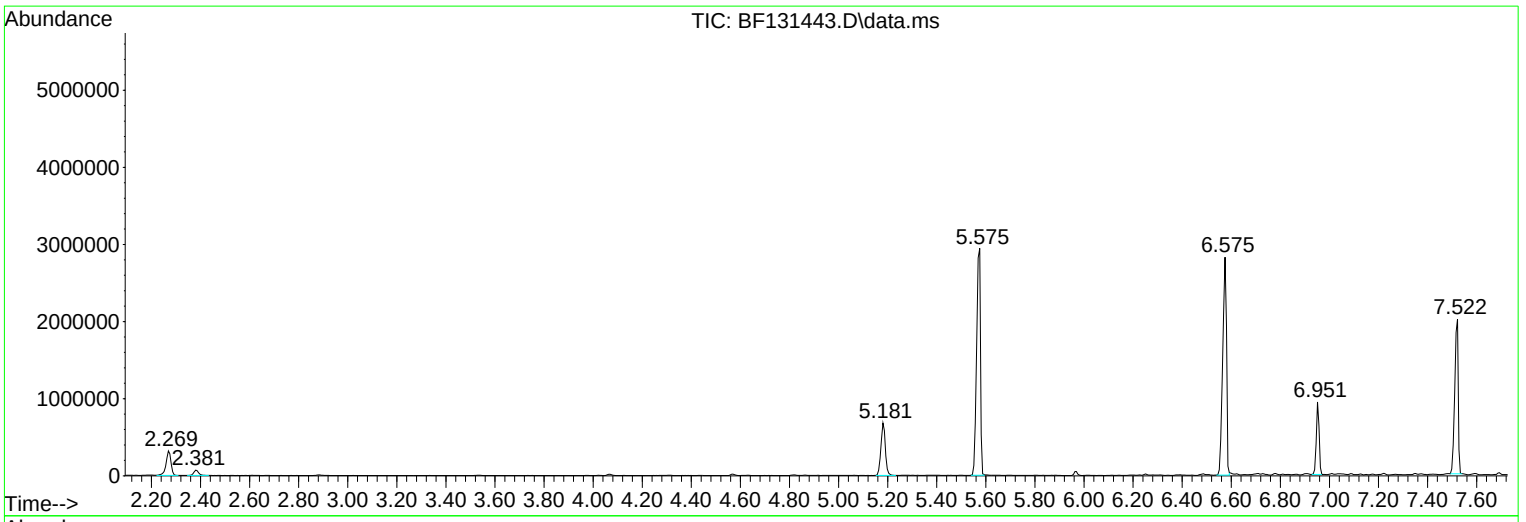
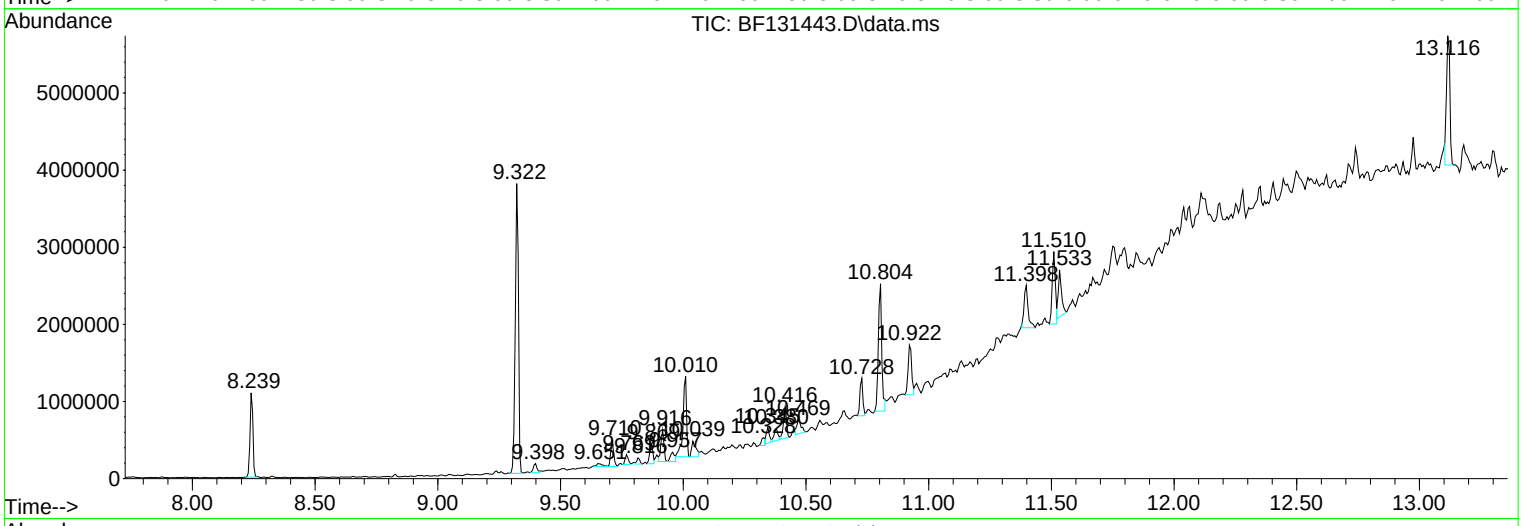
Sample : N5752-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

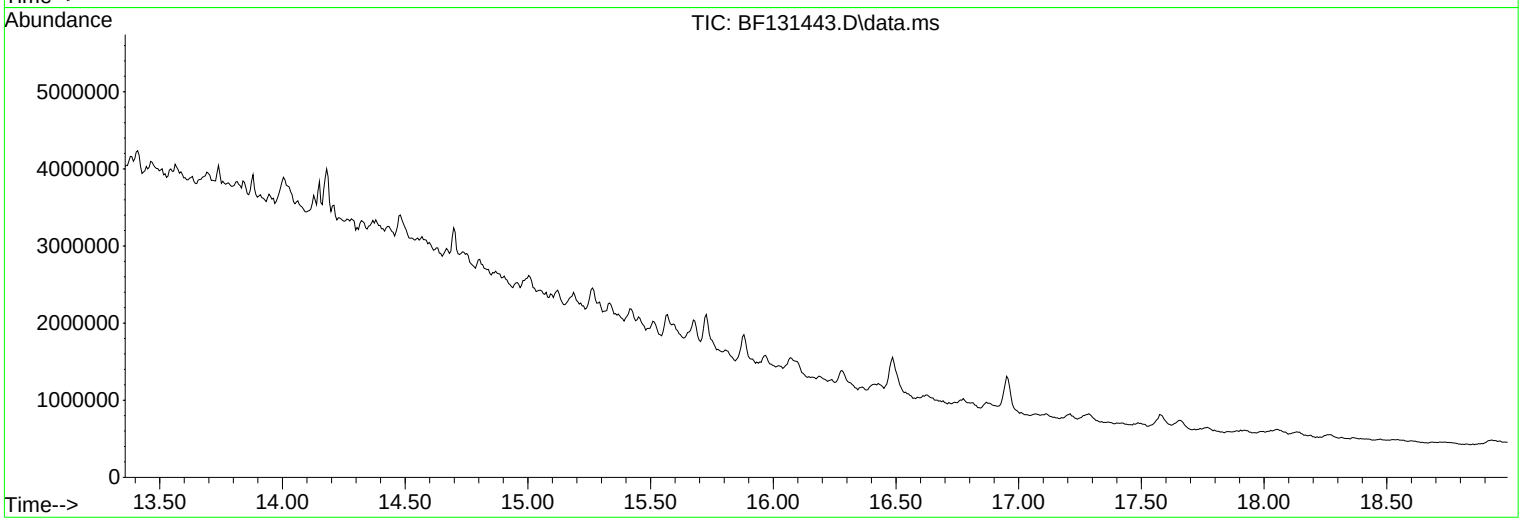
Instrument :
BNA_F
ClientSampleId :
B-13S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







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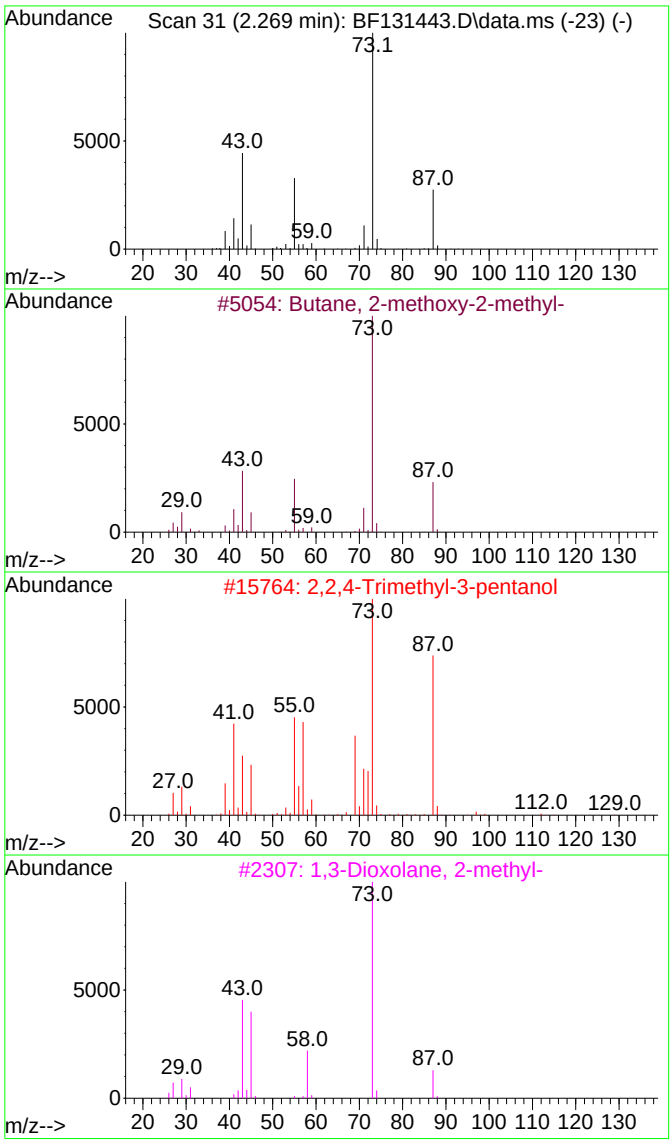
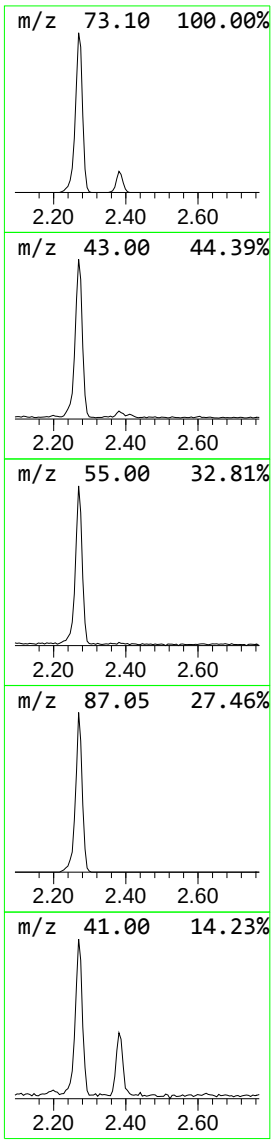
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.269	11.81 ng	441499	1,4-Dichlorobenzene-d4	6.951

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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





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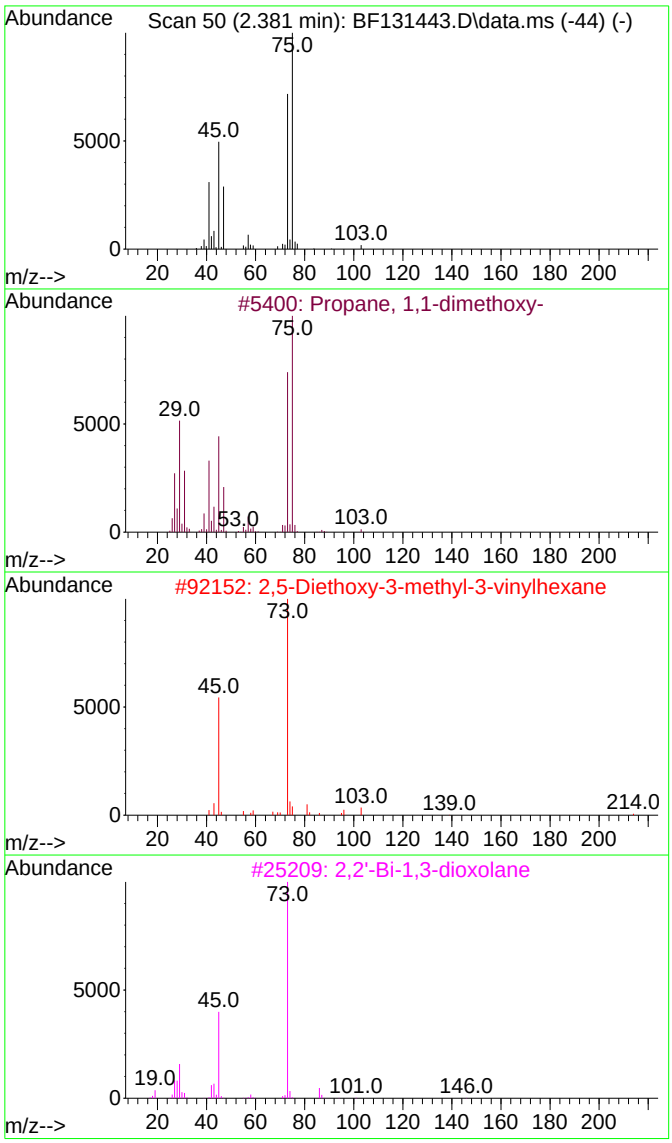
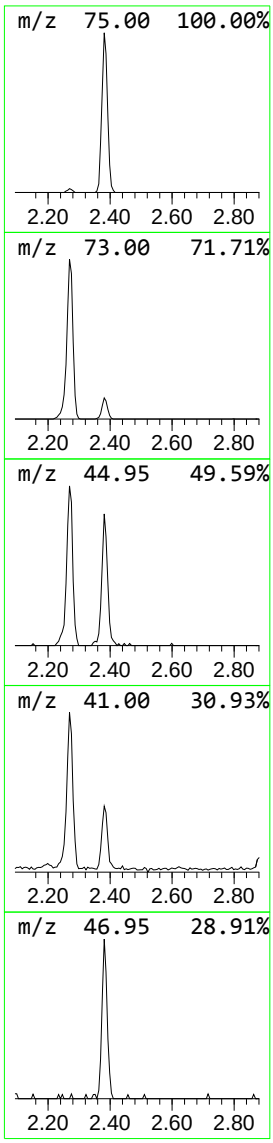
Peak Number 2 Propane, 1,1-dimethoxy- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.381	2.57 ng	96062	1,4-Dichlorobenzene-d4	6.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	74
2	2,5-Diethoxy-3-methyl-3-vinylhexane	214	C13H26O2	1000432-70-8	12
3	2,2'-Bi-1,3-dioxolane	146	C6H10O4	006705-89-1	10
4	1-Propene-1-thiol	74	C3H6S	000925-89-3	10
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	10





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ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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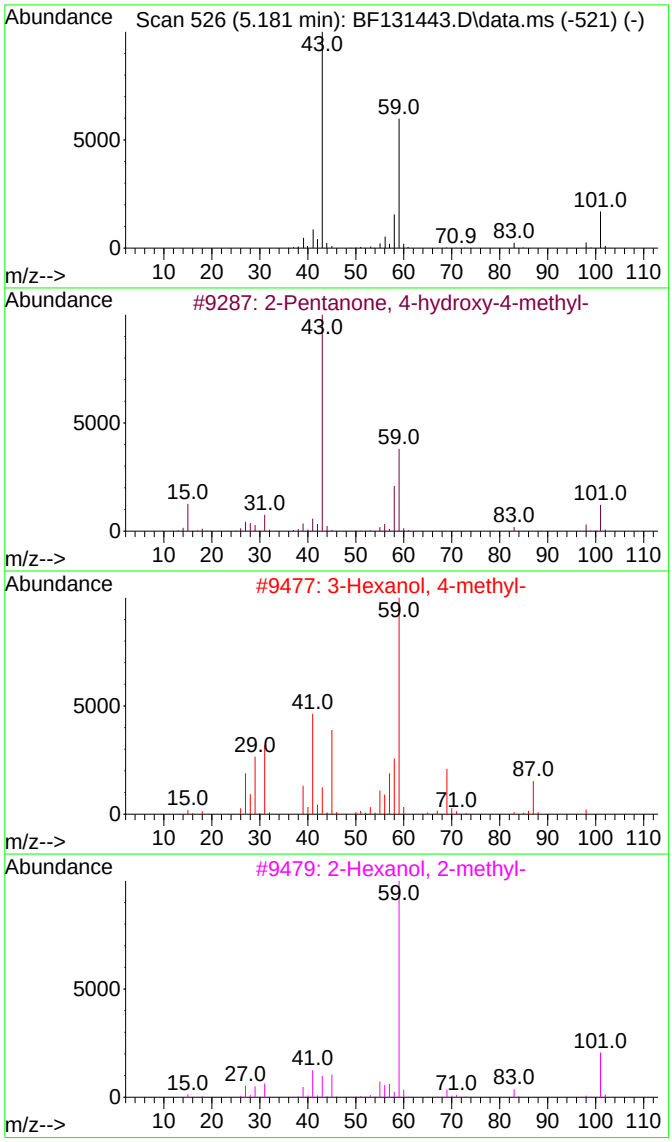
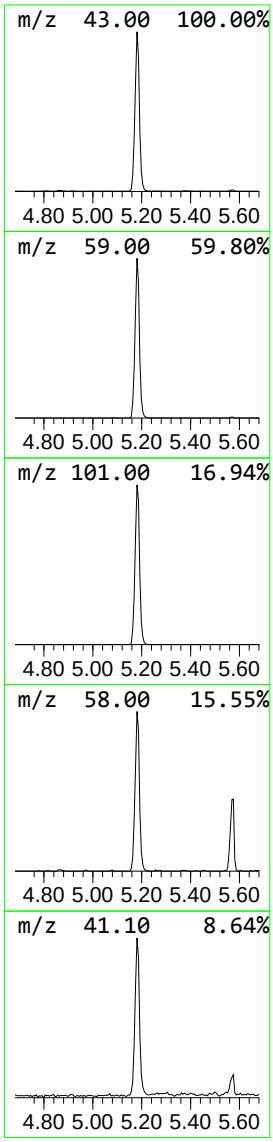
****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.181	22.81 ng	852568	1,4-Dichlorobenzene-d4	6.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





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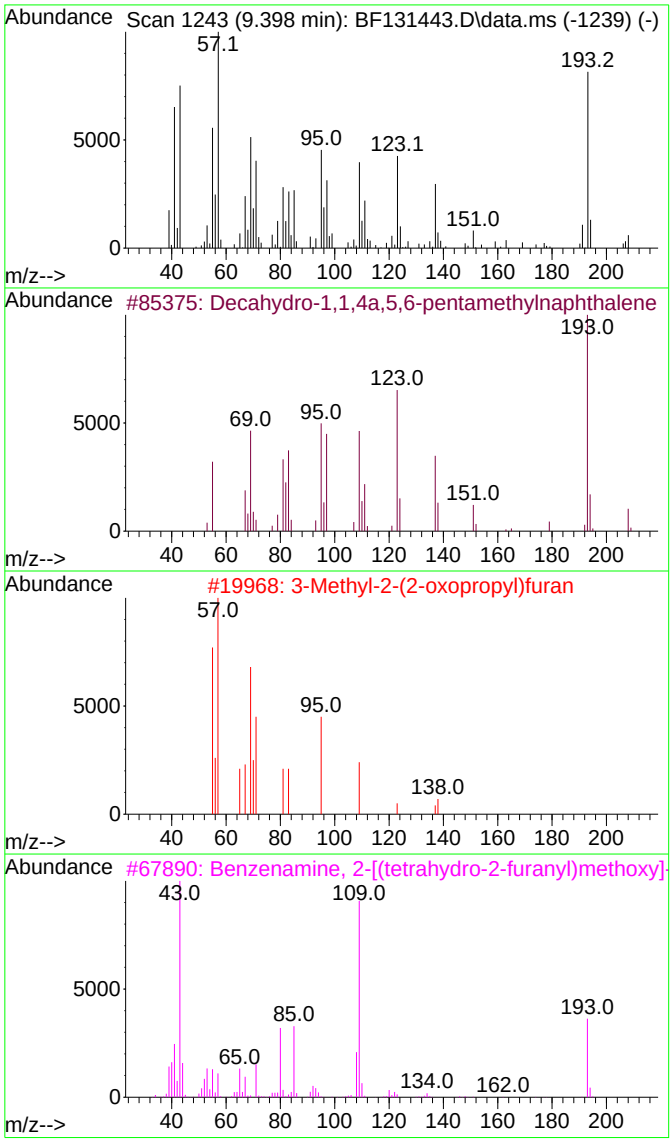
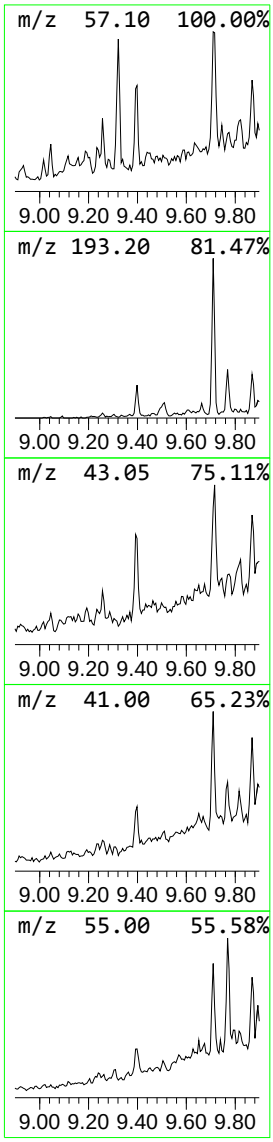
****
Peak Number 4 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.398	2.44 ng	126671	Acenaphthene-d10	10.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	93
2	3-Methyl-2-(2-oxopropyl)furan	138	C8H10O2	087773-62-4	35
3	Benzenamine, 2-[(tetrahydro-2-fu...	193	C11H15NO2	1000327-46-2	27
4	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	27
5	Toxoflavin	193	C7H7N5O2	000084-82-2	25





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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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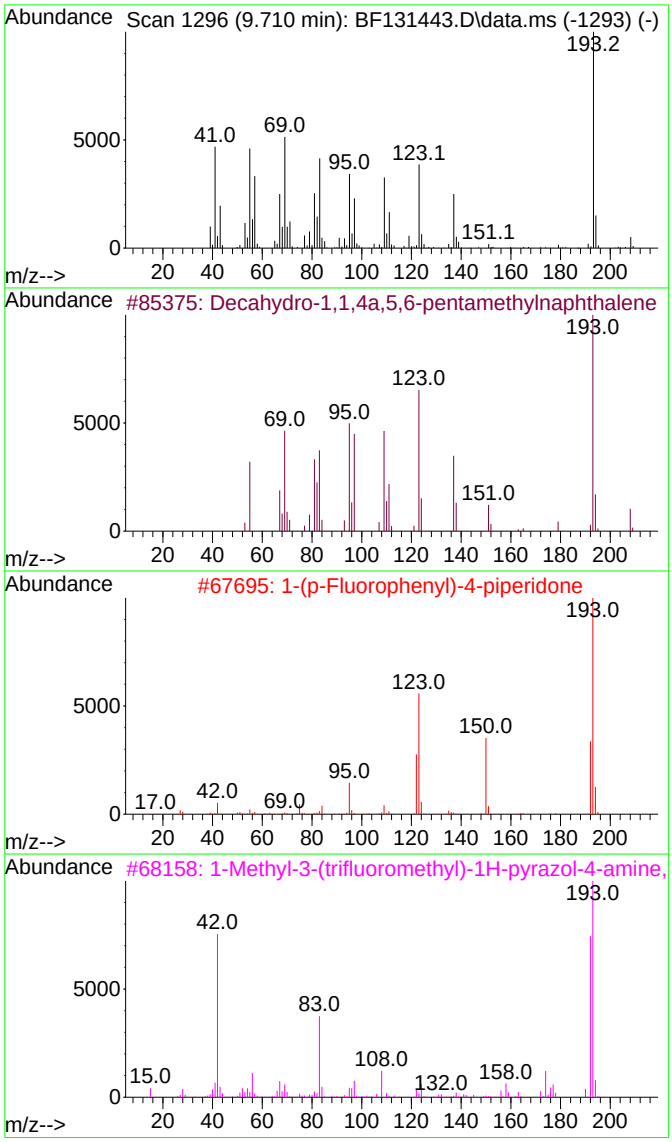
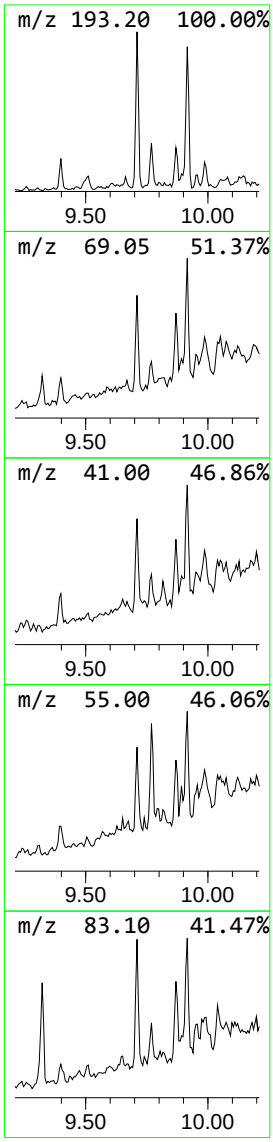
Peak Number 5 unknown9.710 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.710	5.51 ng	285430	Acenaphthene-d10	10.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	52
2	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	47
3	1-Methyl-3-(trifluoromethyl)-1H-...	193	C7H10F3N3	1000511-73-1	38
4	9-Phenanthrenamine	193	C14H11N	000947-73-9	35
5	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	32





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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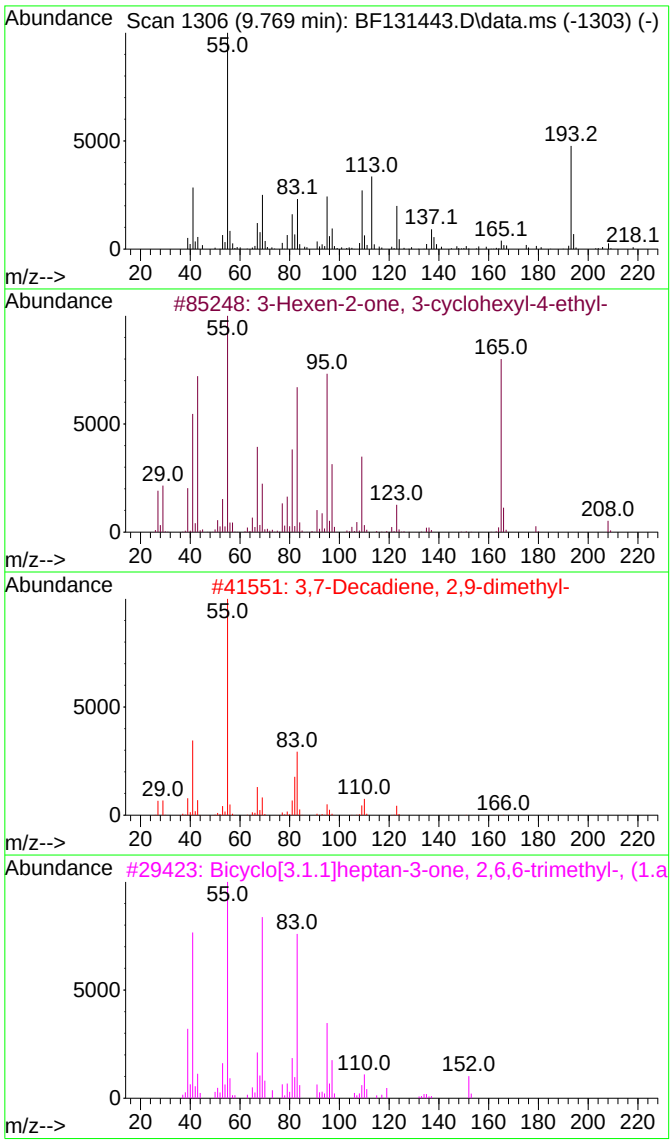
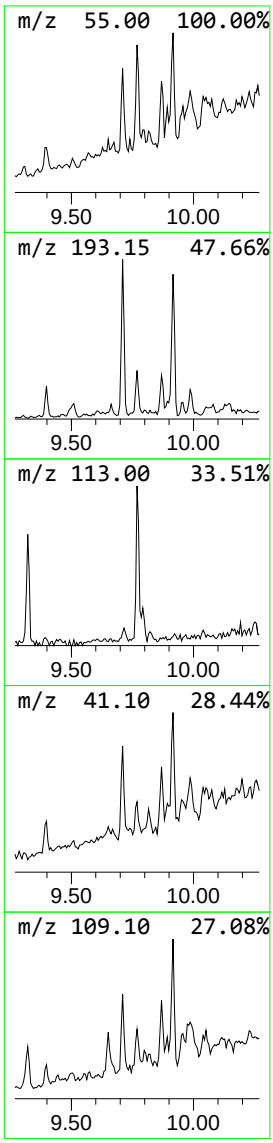
Peak Number 6 unknown9.769 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.769	2.21 ng	114407	Acenaphthene-d10	10.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-2-one, 3-cyclohexyl-4-et...	208	C14H24O	1000150-19-1	30
2	3,7-Decadiene, 2,9-dimethyl-	166	C12H22	074630-13-0	16
3	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	10
4	3,3-Dimethylpyrrolidin-2-one	113	C6H11NO	004831-43-0	10
5	1,5-Hexadiene, 2,5-dipropyl-	166	C12H22	1000158-33-4	10





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Data File : BF131443.D
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Sample : N5752-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
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TIC Library : C:\Database\NIST20.L
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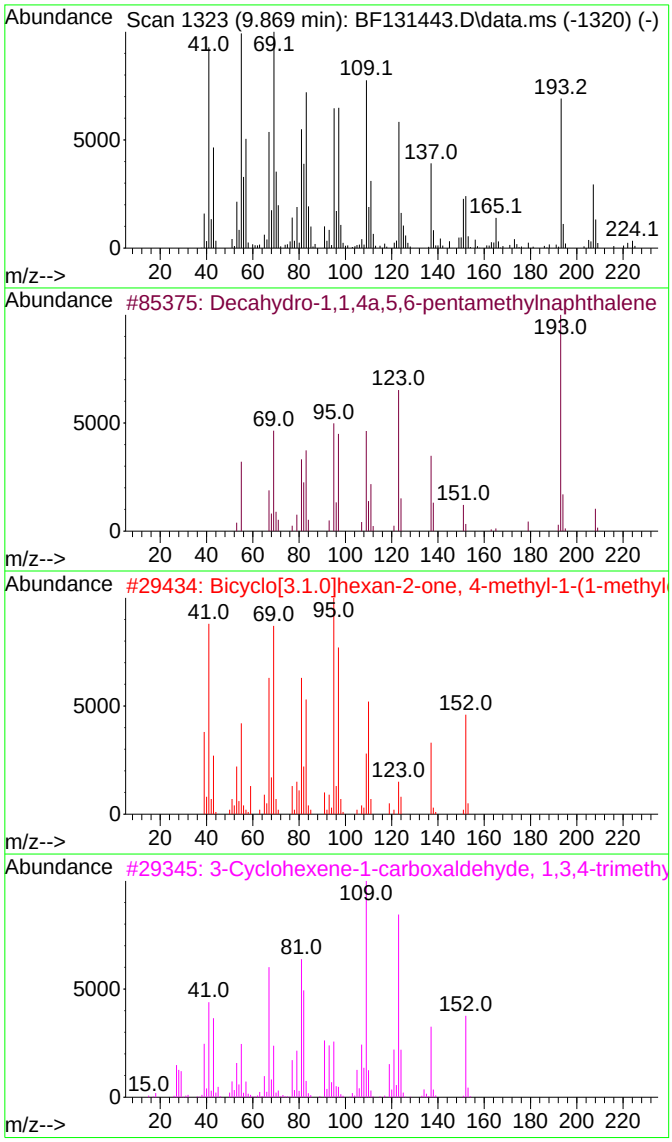
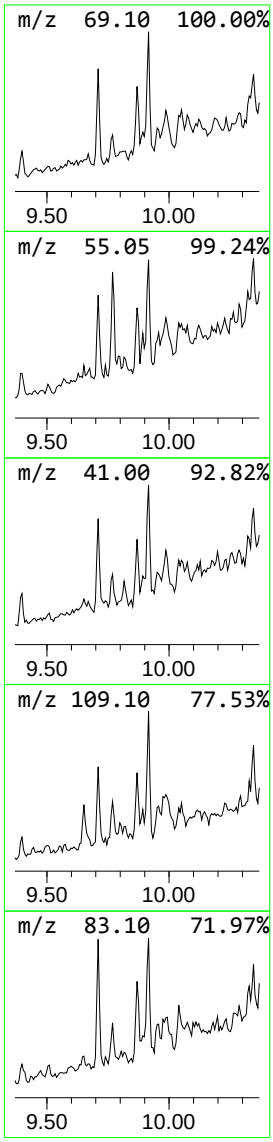
Peak Number 7 unknown9.869 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.869	4.48 ng	232083	Acenaphthene-d10	10.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	38
2	Bicyclo[3.1.0]hexan-2-one, 4-met...	152	C10H16O	002506-61-8	38
3	3-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	040702-26-9	38
4	Neopentylidenecyclohexane	152	C11H20	039546-80-0	38
5	7-Tetradecanol	214	C14H30O	003981-79-1	18





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TIC Library : C:\Database\NIST20.L
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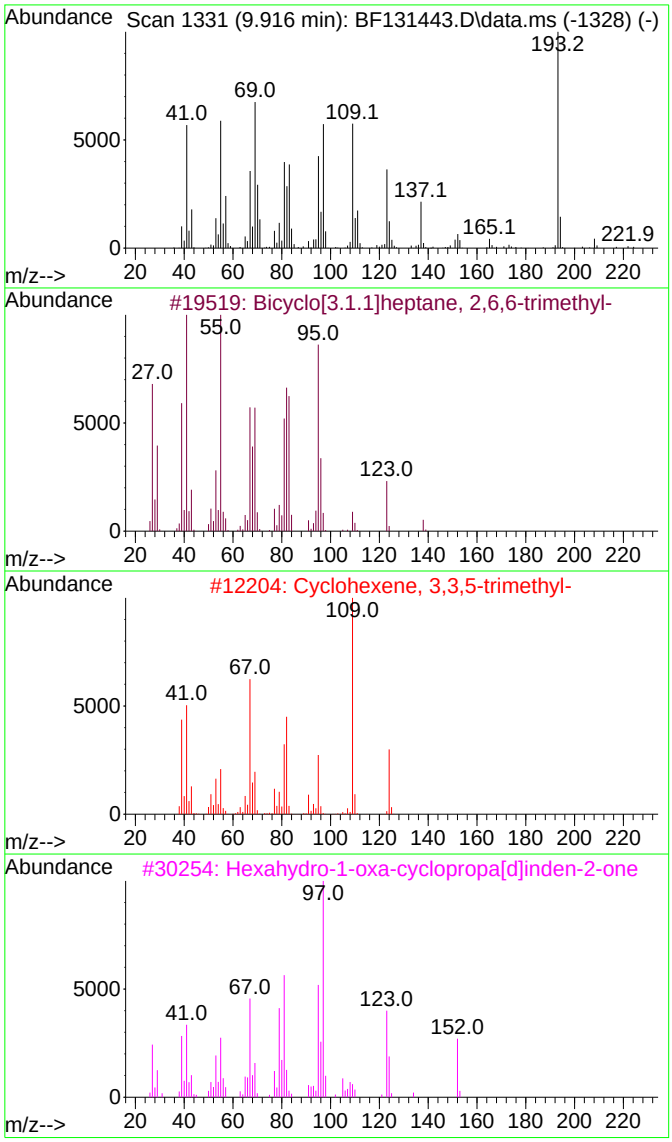
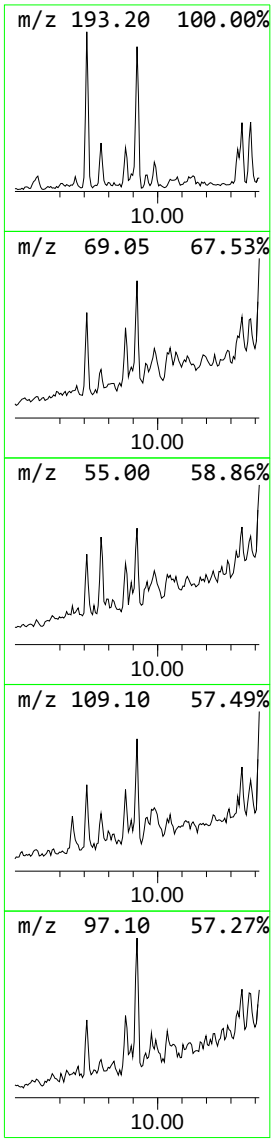
Peak Number 8 unknown9.916 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.916	6.67 ng	345618	Acenaphthene-d10	10.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	35
2	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	25
3	Hexahydro-1-oxa-cyclopropa[d]ind...	152	C9H12O2	037643-23-5	22
4	6-Nitroundec-5-ene	199	C11H21NO2	1000192-40-3	22
5	2-Phenylindolizine	193	C14H11N	025379-20-8	14





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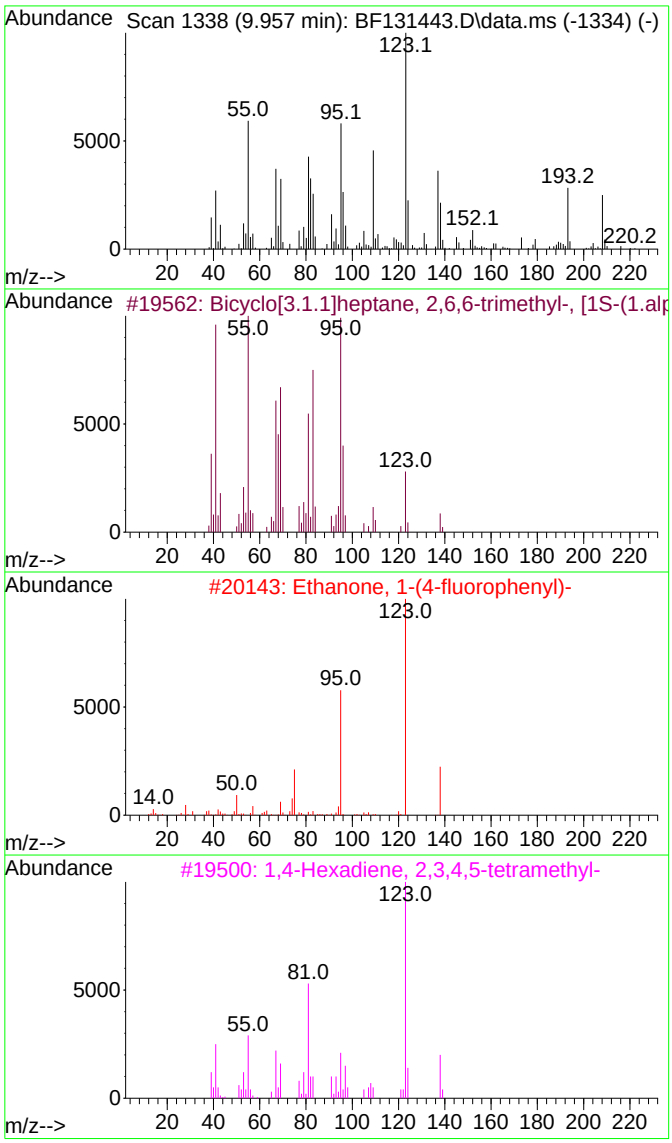
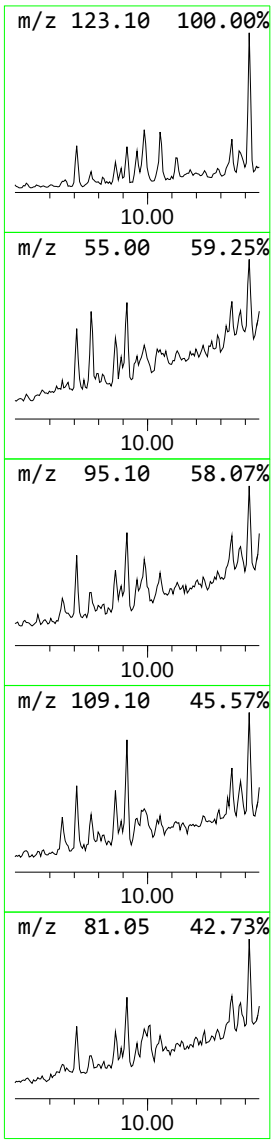
Peak Number 9 unknown9.957 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	2.91 ng	150776	Acenaphthene-d10	10.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004755-33-3	38
2	Ethanone, 1-(4-fluorophenyl)-	138	C8H7FO	000403-42-9	38
3	1,4-Hexadiene, 2,3,4,5-tetramethyl-	138	C10H18	051504-54-2	35
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	35
5	Cyclopentene, 1,2,3,4,5-pentamet...	138	C10H18	1000154-28-6	27





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Data File : BF131443.D
Acq On : 28 Nov 2022 22:37
Operator : CG\JU
Sample : N5752-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-13S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

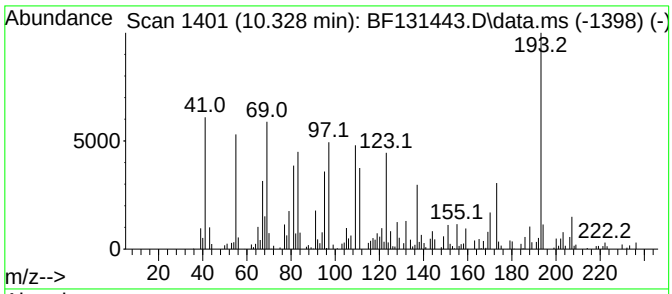
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

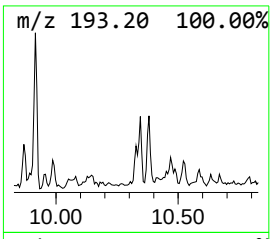
****

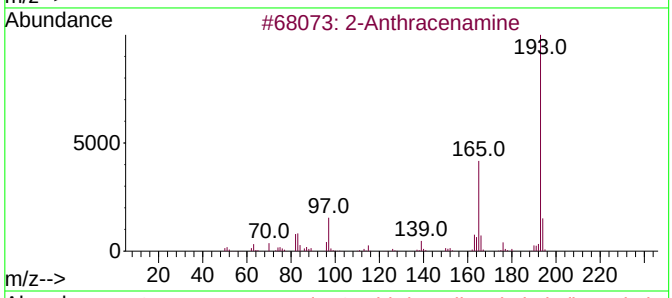
Peak Number 10 unknown10.328 Concentration Rank 17

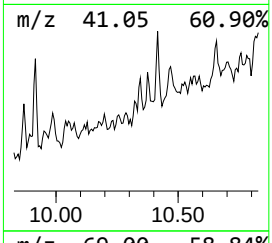
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.328	2.12 ng	109821	Acenaphthene-d10	10.010

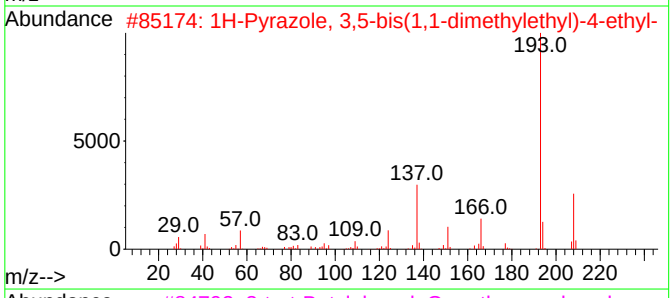
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Anthracenamine	193	C14H11N	000613-13-8	35
2	1H-Pyrazole, 3,5-bis(1,1-dimethy...	208	C13H24N2	125281-21-2	27
3	3-tert-Butylphenol, O-methoxycar...	208	C12H16O3	1000487-38-0	22
4	Benzo[4,5]imidazo[1,2-a]pyridine...	193	C12H7N3	1000316-77-1	14
5	3-((2R,5S)-7-(Cyclohexylsulfonyl...	340	C17H28N2O3S	1000483-82-6	14

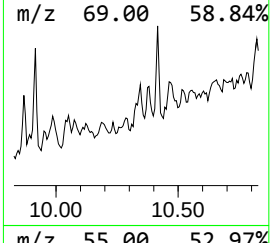


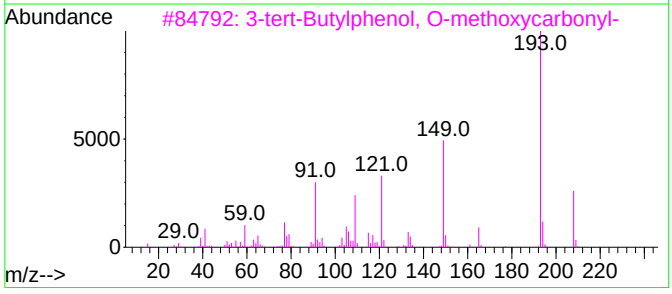


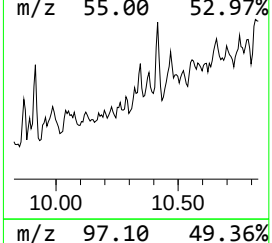


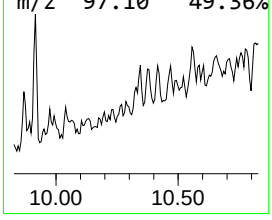












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Data File : BF131443.D
Acq On : 28 Nov 2022 22:37
Operator : CG\JU
Sample : N5752-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-13S

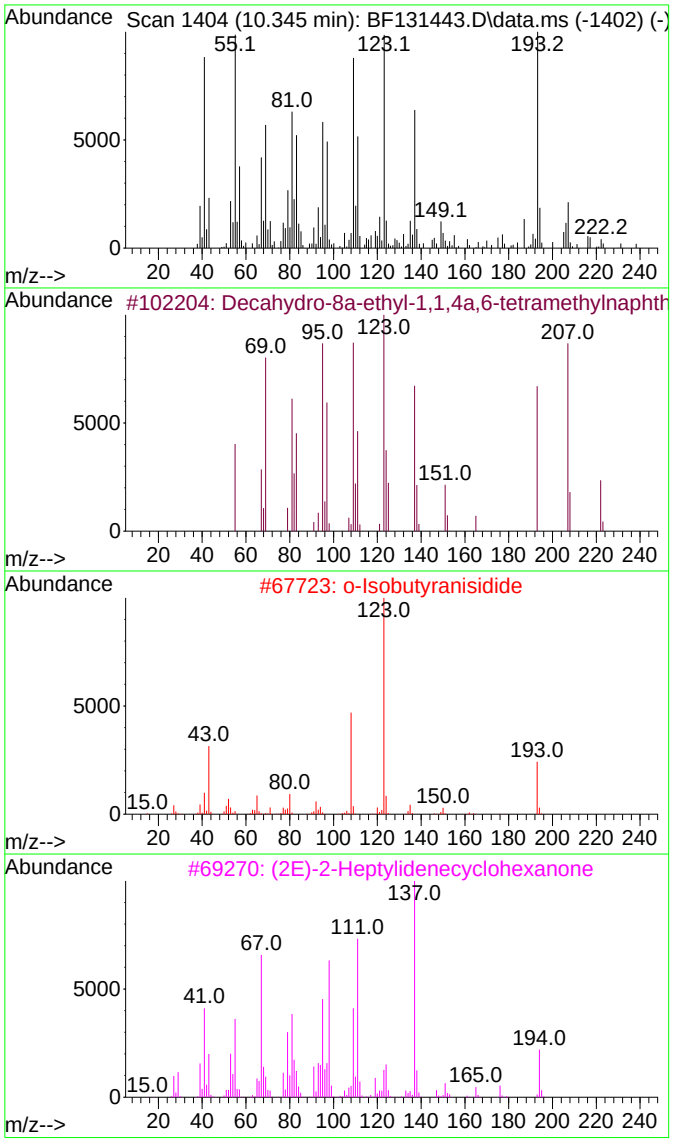
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

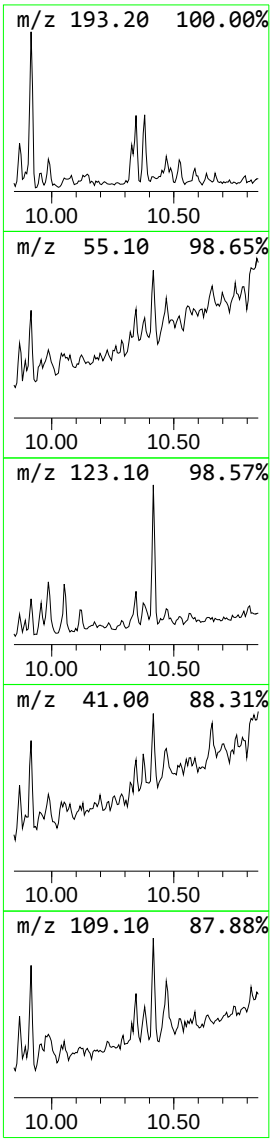
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Decahydro-8a-ethyl-1,1,4a,6... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.345	3.30 ng	171265	Acenaphthene-d10	10.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-8a-ethyl-1,1,4a,6-tetr...	222	C16H30	1000100-23-6	50
2	o-Isobutyranisidide	193	C11H15NO2	071182-38-2	38
3	(2E)-2-Heptylidenecyclohexanone	194	C13H22O	173975-69-4	35
4	(1Ar-(1aalpha,4abeta,8as(*)))-4a...	222	C13H18O3	1000242-02-8	30
5	Naphthalene, 2-butyldecahydro-	194	C14H26	006305-52-8	25





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ClientSampleId :
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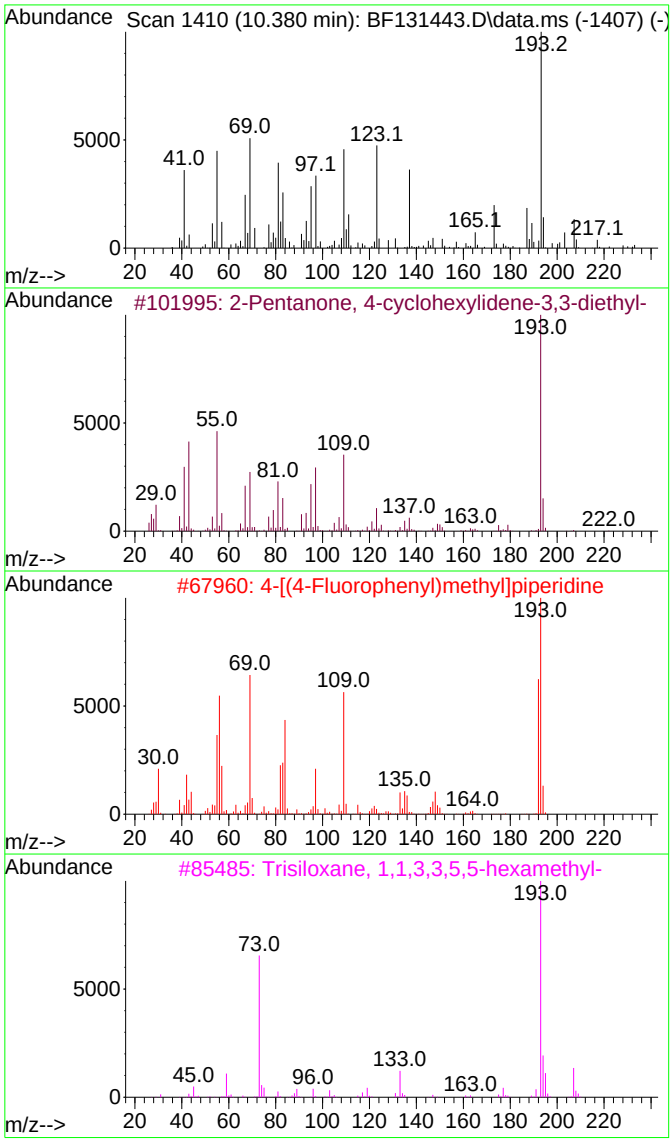
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

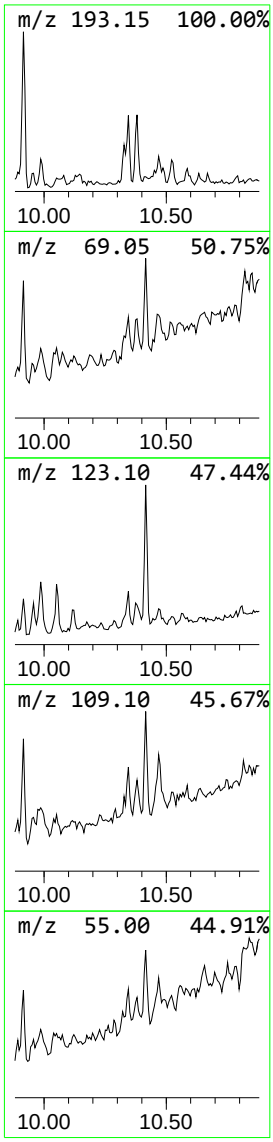
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 2-Pentanone, 4-cyclohexylid... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.381	3.16 ng	163648	Acenaphthene-d10	10.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	53
2	4-[(4-Fluorophenyl)methyl]piperi...	193	C12H16FN	092822-02-1	32
3	Trisiloxane, 1,1,3,3,5,5-hexamet...	208	C6H20O2Si3	001189-93-1	27
4	Propiophenone, 3'-(trimethylsilo...	222	C12H18O2Si	033342-88-0	27
5	benzoxazole, 5,6-dimethoxy-2-met...	193	C10H11NO3	1000395-98-9	27





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-13S

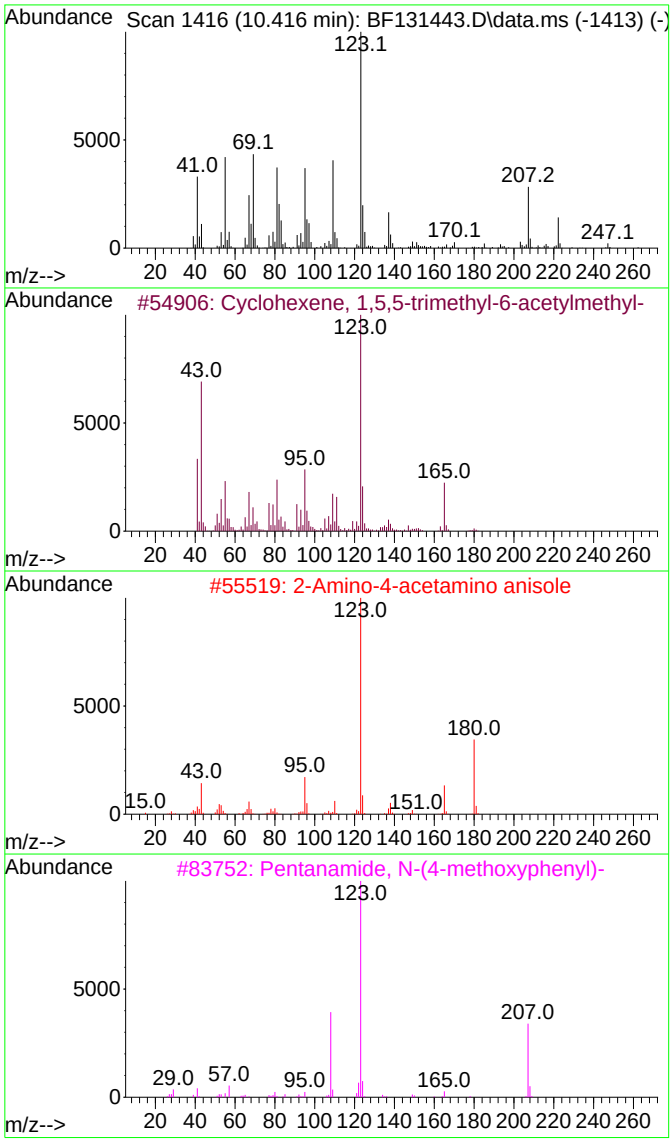
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

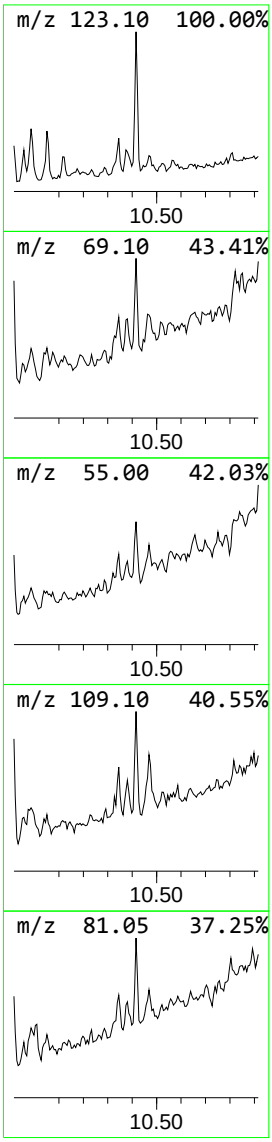
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclohexene, 1,5,5-trimethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.416	6.69 ng	346679	Acenaphthene-d10	10.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1,5,5-trimethyl-6-a...	180	C12H20O	211563-96-1	53
2	2-Amino-4-acetamino anisole	180	C9H12N2O2	006375-47-9	38
3	Pentanamide, N-(4-methoxyphenyl)-	207	C12H17NO2	1000306-89-3	38
4	2-Fluorobenzoic acid, 1-cyclopen...	236	C14H17FO2	1000278-98-2	38
5	3-Fluorobenzoic acid, 2-ethylcyc...	250	C15H19FO2	1000279-04-9	38





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-13S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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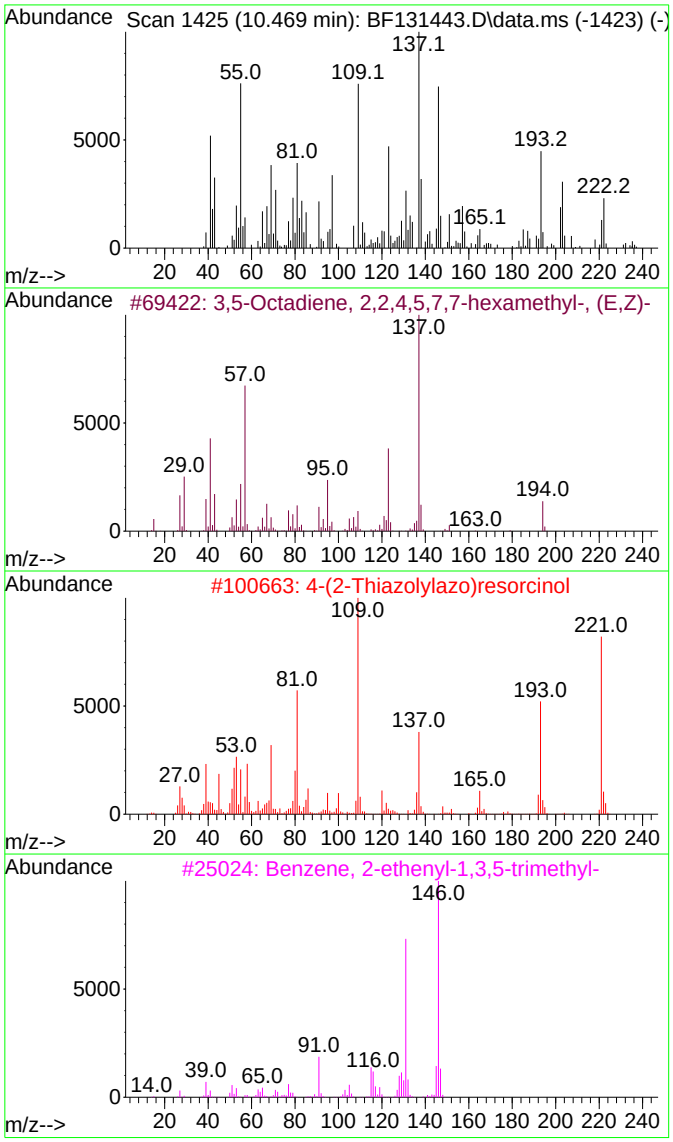
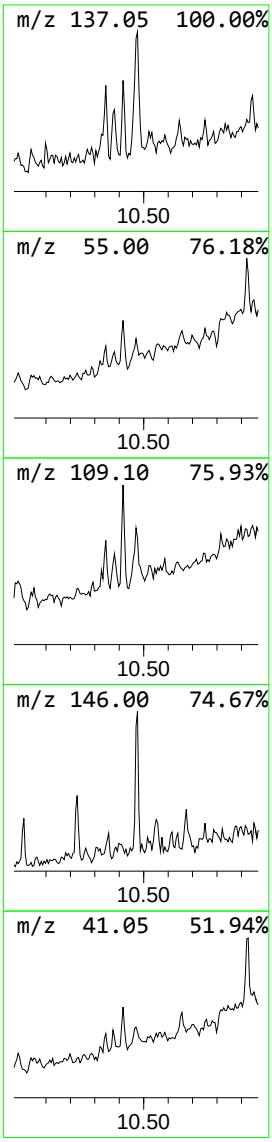
Peak Number 14 unknown10.469 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.469	4.28 ng	221798	Acenaphthene-d10	10.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Octadiene, 2,2,4,5,7,7-hexam...	194	C14H26	055712-52-2	18
2	4-(2-Thiazolylazo)resorcinol	221	C9H7N3O2S	002246-46-0	14
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	11
4	Isoquinoline, 1,2,3,4-tetrahydro...	161	C11H15N	014429-09-5	11
5	(S)-4-Chloro-N-(3-oxo-3-((1,2,3,...	356	C20H21ClN2O2	2029049-58-7	10





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Misc :
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ClientSampleId :
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TIC Library : C:\Database\NIST20.L
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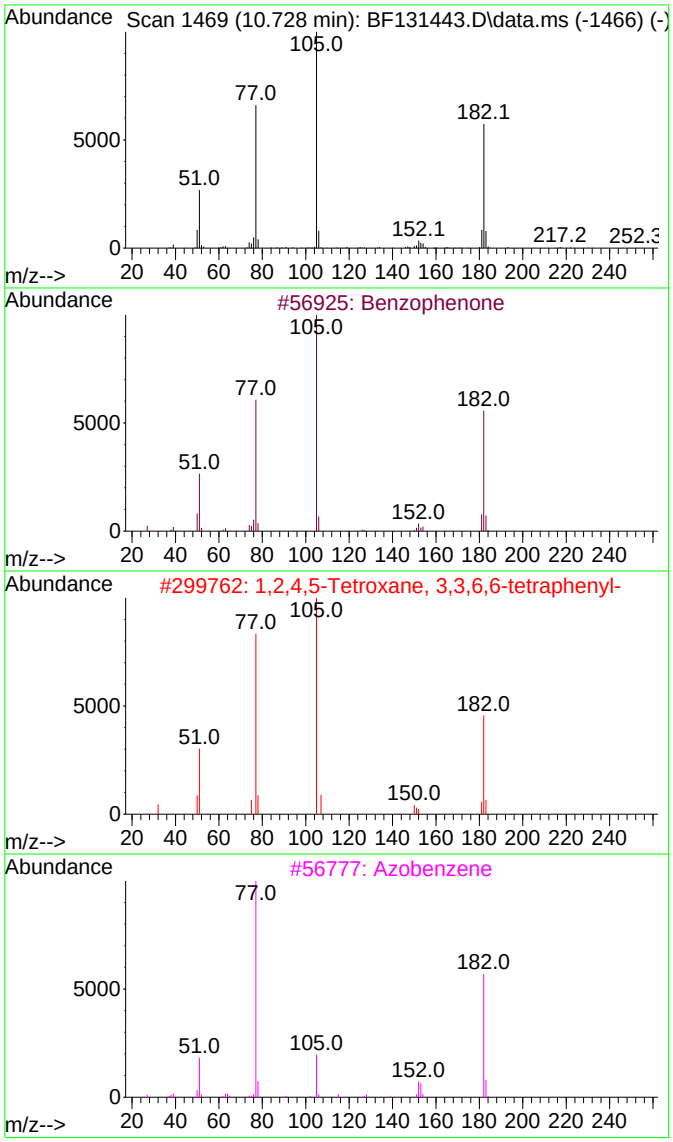
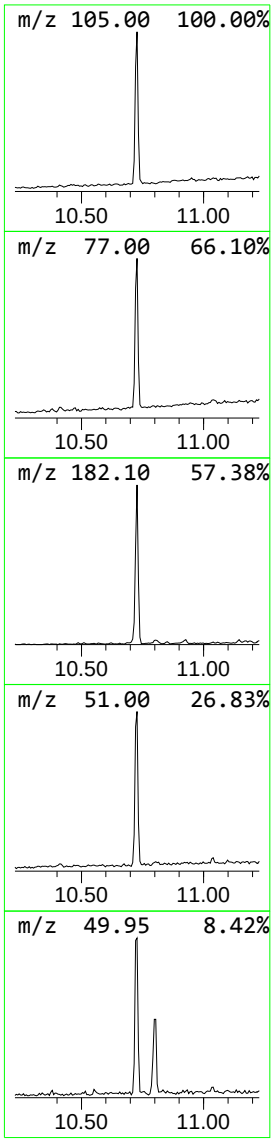
Peak Number 15 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.727	7.71 ng	399393	Acenaphthene-d10	10.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3	Azobenzene	182	C12H10N2	000103-33-3	59
4	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
5	1,2,4-Triazine-3,5(2H,4H)-dione,...	249	C10H7N3O3S	024168-34-1	47





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Sample : N5752-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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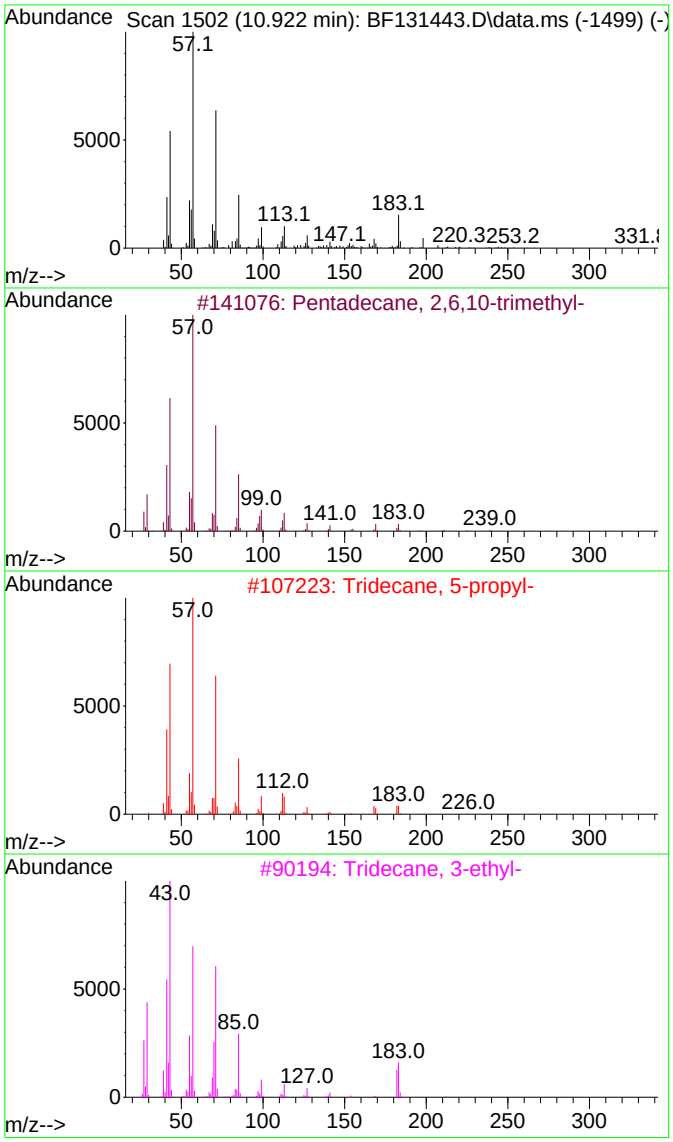
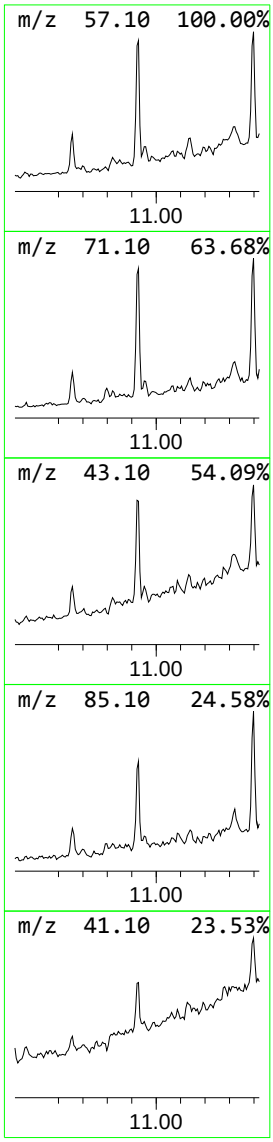
Peak Number 16 Pentadecane, 2,6,10-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.922	15.32 ng	656662	Phenanthrene-d10	11.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	91
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	87
3	Tridecane, 3-ethyl-	212	C15H32	013286-73-2	87
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
5	Decane, 2-methyl-	156	C11H24	006975-98-0	76





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Sample : N5752-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-13S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
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TIC Library : C:\Database\NIST20.L
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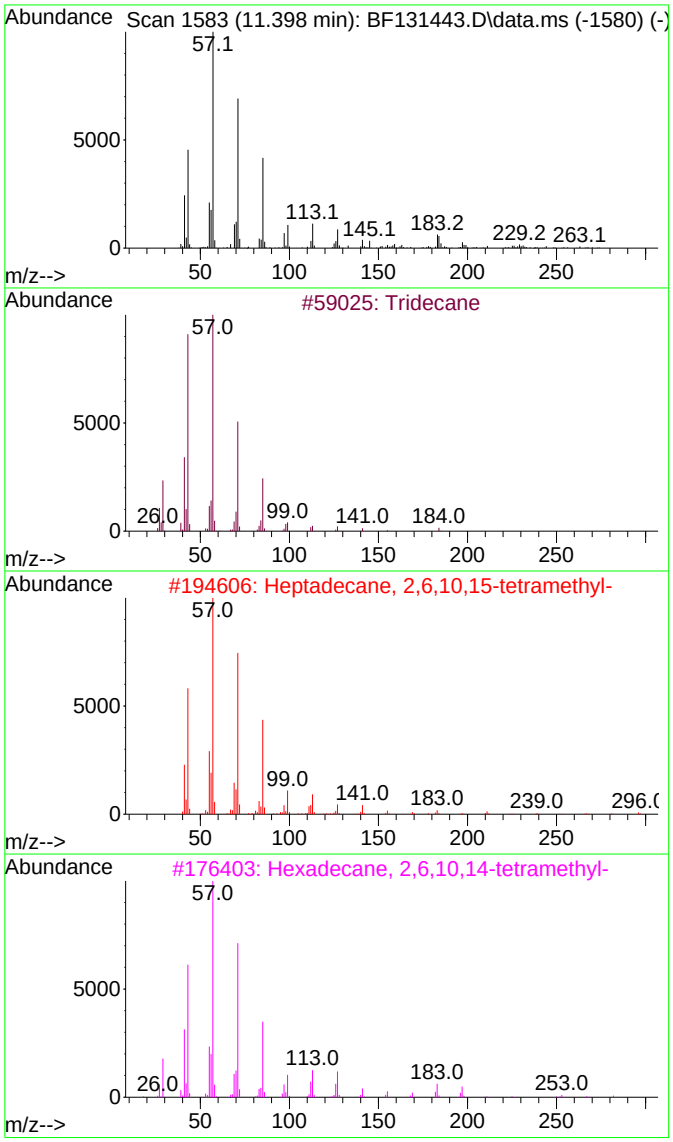
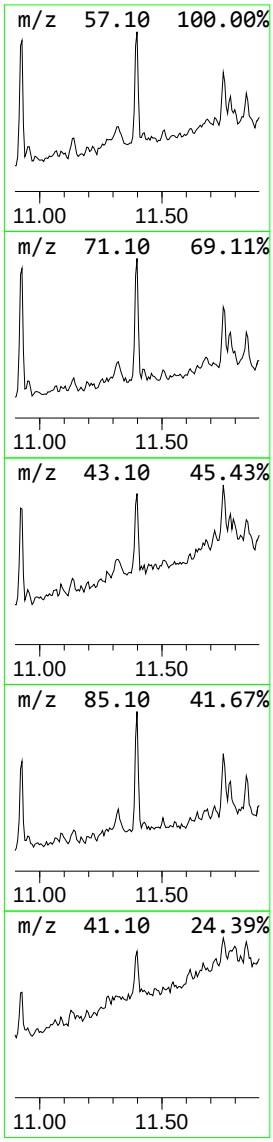
Peak Number 17 Tridecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.398	14.43 ng	618434	Phenanthrene-d10	11.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
4	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	86
5	Heptadecane, 3-methyl-	254	C18H38	006418-44-6	81





Tentatively Identified Compound (LSC) summary

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.269	11.8	ng	441499	1	6.951	747499	20.0
Propane, 1,1-di...	2.381	2.6	ng	96062	1	6.951	747499	20.0
2-Pentanone, 4-...	5.181	22.8	ng	852568	1	6.951	747499	20.0
Decahydro-1,1,4...	9.398	2.4	ng	126671	3	10.010	1036500	20.0
unknown9.710	9.710	5.5	ng	285430	3	10.010	1036500	20.0
unknown9.769	9.769	2.2	ng	114407	3	10.010	1036500	20.0
unknown9.869	9.869	4.5	ng	232083	3	10.010	1036500	20.0
unknown9.916	9.916	6.7	ng	345618	3	10.010	1036500	20.0
unknown9.957	9.957	2.9	ng	150776	3	10.010	1036500	20.0
unknown10.328	10.328	2.1	ng	109821	3	10.010	1036500	20.0
Decahydro-8a-et...	10.345	3.3	ng	171265	3	10.010	1036500	20.0
2-Pentanone, 4-...	10.381	3.2	ng	163648	3	10.010	1036500	20.0
Cyclohexene, 1,...	10.416	6.7	ng	346679	3	10.010	1036500	20.0
unknown10.469	10.469	4.3	ng	221798	3	10.010	1036500	20.0
Benzophenone	10.727	7.7	ng	399393	3	10.010	1036500	20.0
Pentadecane, 2,...	10.922	15.3	ng	656662	4	11.510	857308	20.0
Tridecane	11.398	14.4	ng	618434	4	11.510	857308	20.0