Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016639.D
Acq On : 01 Oct 2021 17:08
Operator : CG/JU
Sample : M4020-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

Quant Time: Oct 01 18:01:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.643	152	29362	0.400	ng		0.00
7) Naphthalene-d8	10.407	136	136810	0.400	ng		0.00
13) Acenaphthene-d10	14.269	164	76944	0.400	ng		0.00
19) Phenanthrene-d10	17.018	188	151825	0.400	ng	#	0.00
29) Chrysene-d12	21.228	240	146473	0.400	ng	#	-0.01
35) Perylene-d12	23.485	264	162525	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.273	112	22178	0.297	ng		0.02
5) Phenol-d6	6.831	99	22056	0.269	ng		0.00
8) Nitrobenzene-d5	8.785	82	24903	0.279	ng		0.00
11) 2-Methylnaphthalene-d10	12.003	152	59076	0.292	ng		0.00
14) 2,4,6-Tribromophenol	15.766	330	11305	0.323	ng		0.00
15) 2-Fluorobiphenyl	12.899	172	75313	0.242	ng		0.00
27) Fluoranthene-d10	19.063	212	112204	0.278	ng		0.00
31) Terphenyl-d14	19.679	244	81952	0.257	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	2263	0.167	ng	#	84
3) n-Nitrosodimethylamine	3.502	42	3362	0.155	ng	#	1
9) Naphthalene	10.457	128	17685	0.048	ng		97
12) 2-Methylnaphthalene	12.078	142	7623	0.032	ng		99
16) Acenaphthylene	13.990	152	7736	0.023	ng	#	92
17) Acenaphthene	14.332	154	5067	0.022	ng		93
18) Fluorene	15.322	166	9569	0.036	ng		89
20) 4,6-Dinitro-2-methylph...	15.373	198	26	0.138	ng	#	1
25) Phenanthrene	17.066	178	74426	0.163	ng		98
26) Anthracene	17.152	178	15417	0.039	ng	#	90
28) Fluoranthene	19.098	202	116592	0.236	ng		97
30) Pyrene	19.460	202	112676	0.238	ng	#	95
32) Benzo(a)anthracene	21.217	228	52103	0.116	ng	#	92
33) Chrysene	21.270	228	56600	0.124	ng	#	95
34) Bis(2-ethylhexyl)phtha...	21.164	149	60746	0.339	ng		97
36) Indeno(1,2,3-cd)pyrene	25.764	276	38178	0.066	ng	#	92
37) Benzo(b)fluoranthene	22.807	252	78394	0.150	ng	#	75
39) Benzo(a)pyrene	23.385	252	51530	0.111	ng	#	77
40) Dibenzo(a,h)anthracene	25.774	278	9809	0.021	ng	#	1
41) Benzo(g,h,i)perylene	26.462	276	38107	0.074	ng	#	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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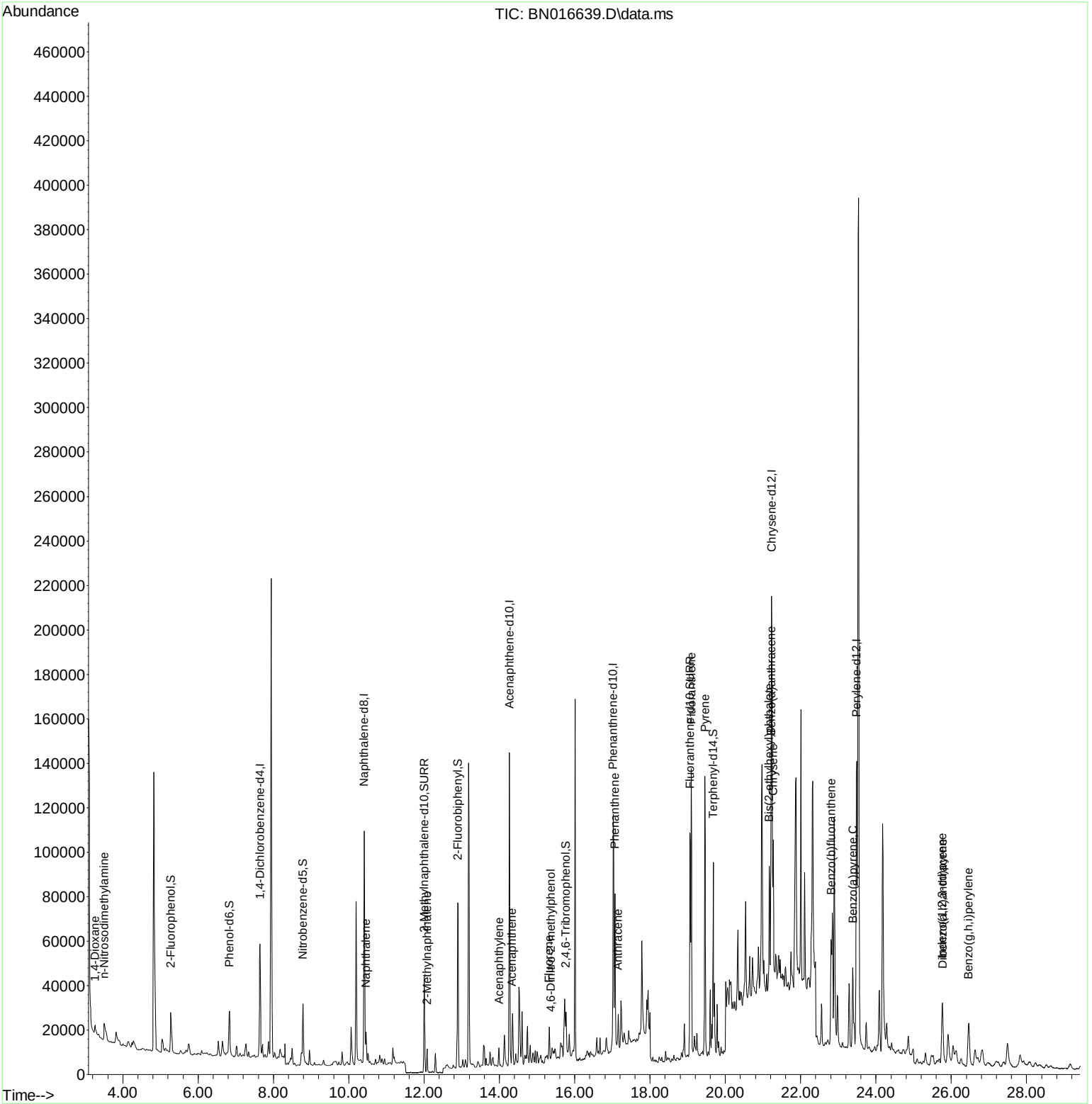
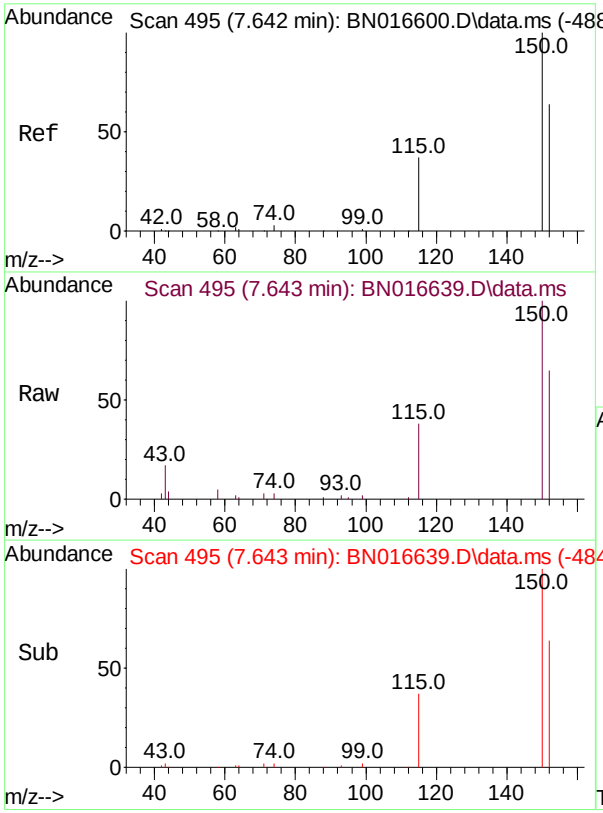
Response via : Initial Calibration



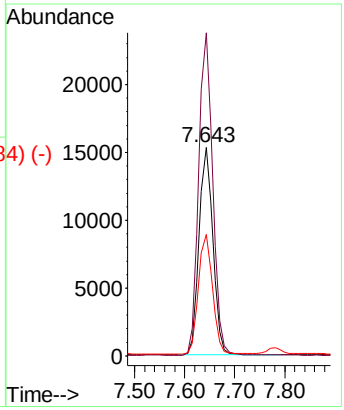
Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

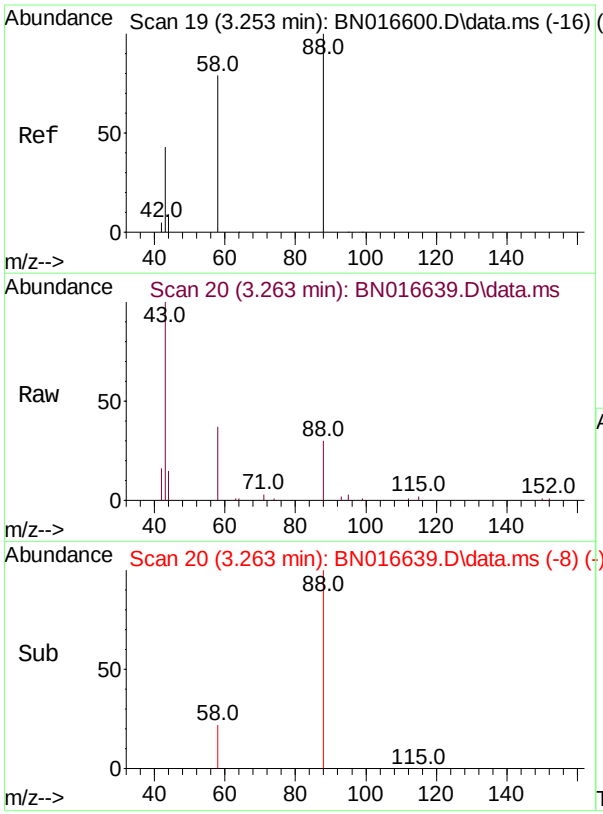


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.643 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:152 Resp: 29362

Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	58.3	46.5	69.7

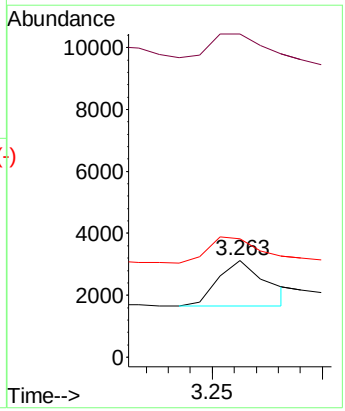




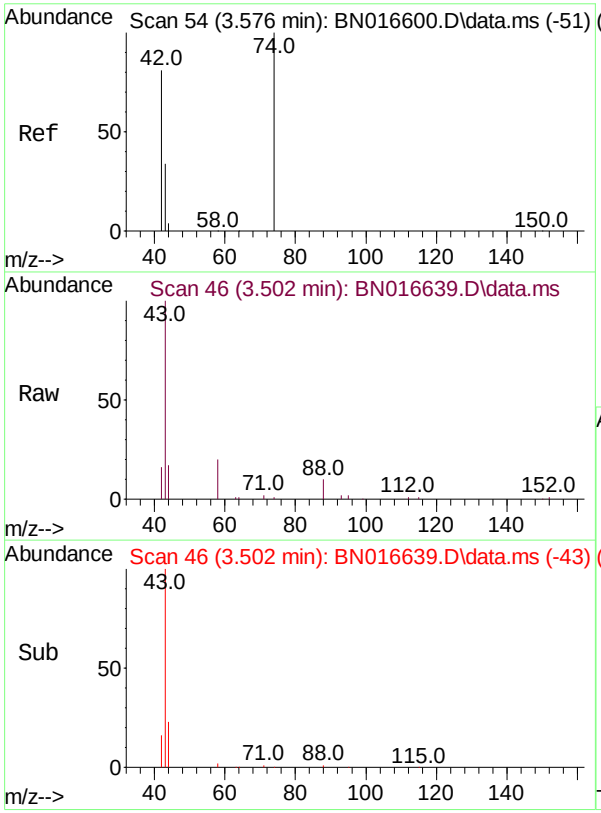
#2
1,4-Dioxane
Concen: 0.167 ng
RT: 3.263 min Scan# 20
Delta R.T. 0.009 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion: 88 Resp: 2263

Ion	Ratio	Lower	Upper
88	100		
43	51.7	37.8	56.8
58	57.1	61.3	91.9#



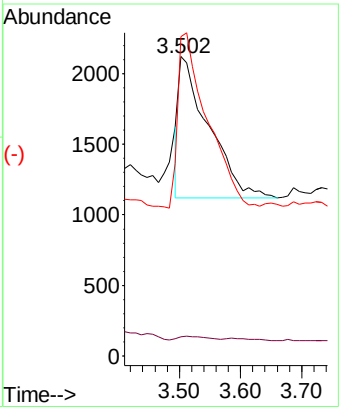
Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

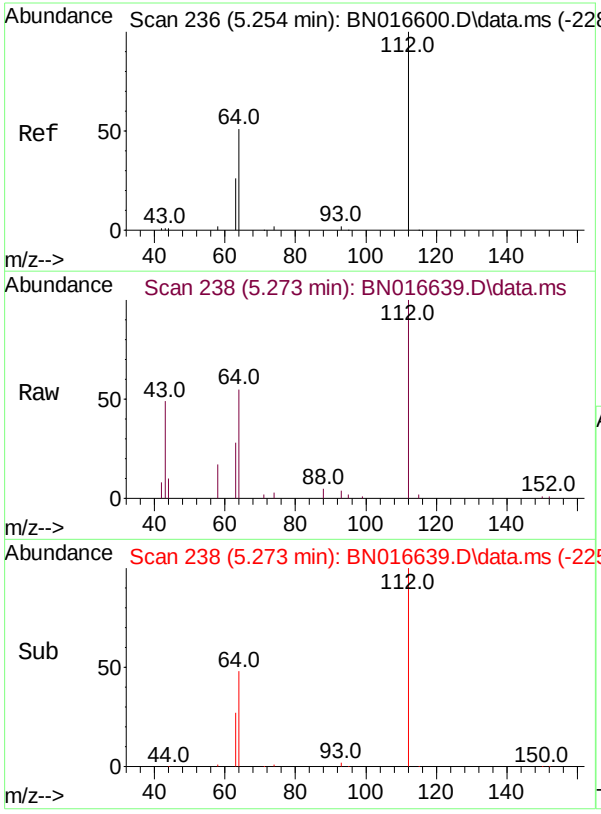


#3
n-Nitrosodimethylamine
Concen: 0.155 ng
RT: 3.502 min Scan# 46
Delta R.T. -0.074 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion: 42 Resp: 3362

Ion	Ratio	Lower	Upper
42	100		
74	1.9	121.6	182.4#
44	116.0	6.3	9.5#

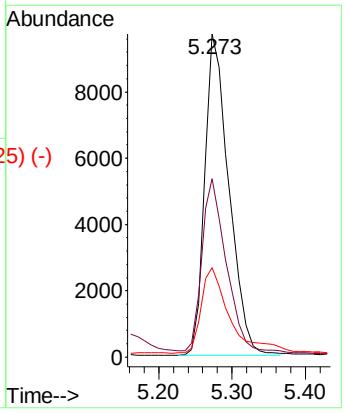




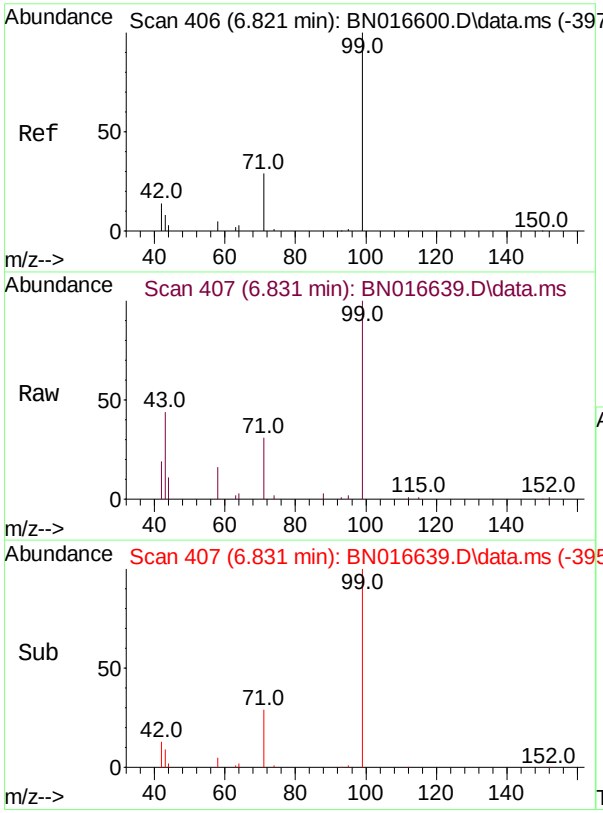
#4
2-Fluorophenol
Concen: 0.297 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.018 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:112 Resp: 22178

Ion	Ratio	Lower	Upper
112	100		
64	53.0	43.1	64.7
63	31.1	21.6	32.4



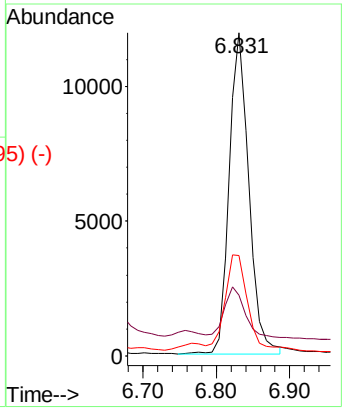
Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

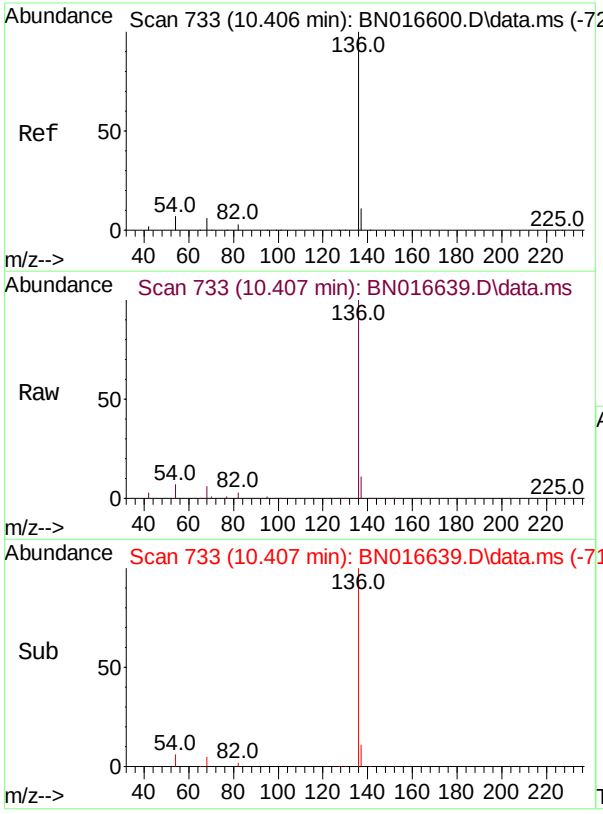


#5
Phenol-d6
Concen: 0.269 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion: 99 Resp: 22056

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.0	19.6
71	31.0	23.5	35.3

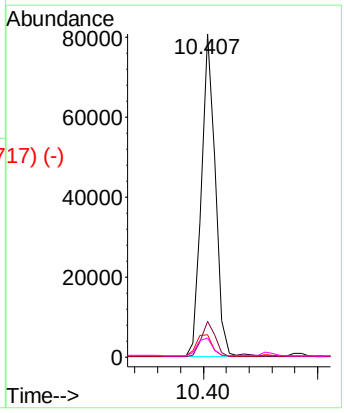




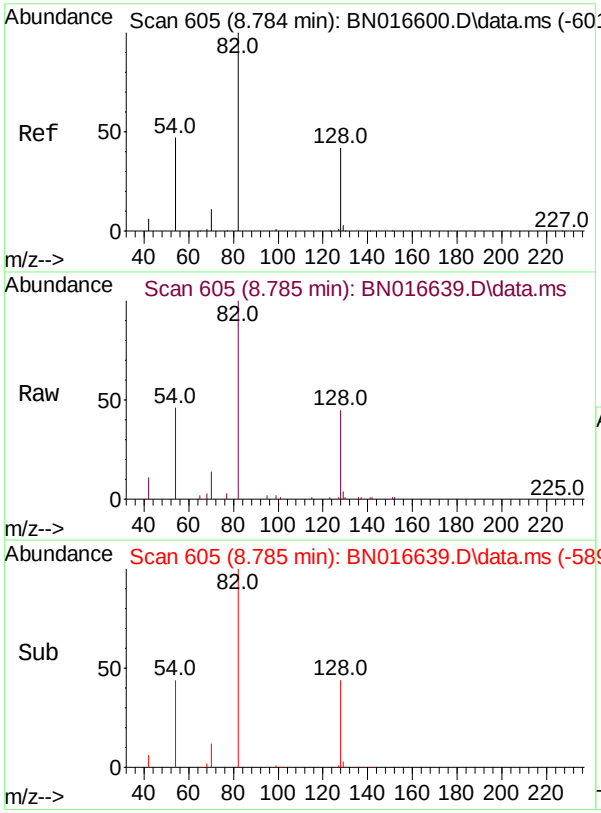
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:136 Resp: 136810

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.0	5.9	8.9
68	6.0	5.0	7.6



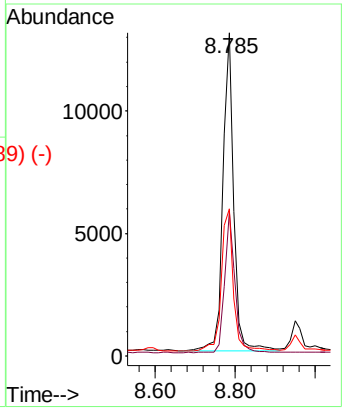
Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

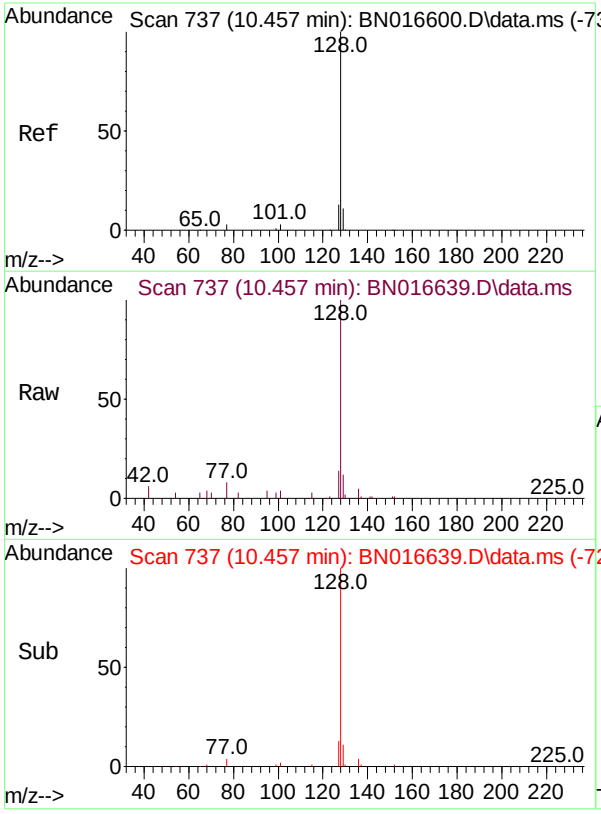


#8
Nitrobenzene-d5
Concen: 0.279 ng
RT: 8.785 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion: 82 Resp: 24903

Ion	Ratio	Lower	Upper
82	100		
128	44.7	33.6	50.4
54	45.6	37.6	56.4

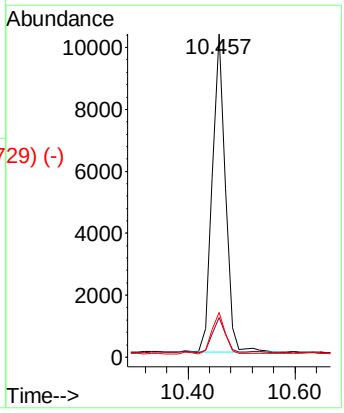


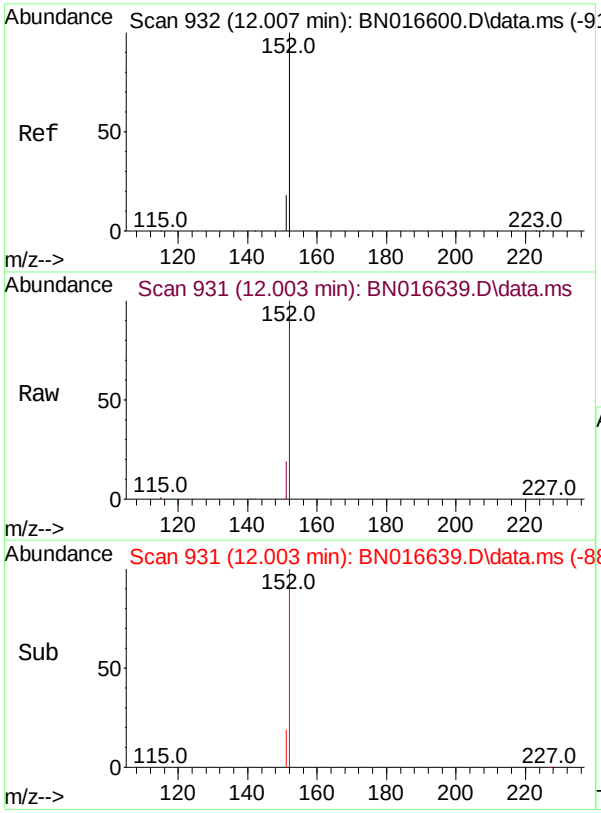


#9
Naphthalene
Concen: 0.048 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:128 Resp: 17685

Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.8	13.2
127	13.9	10.3	15.5

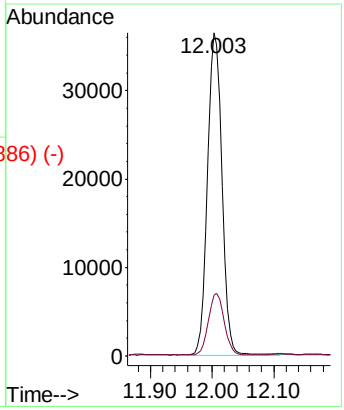


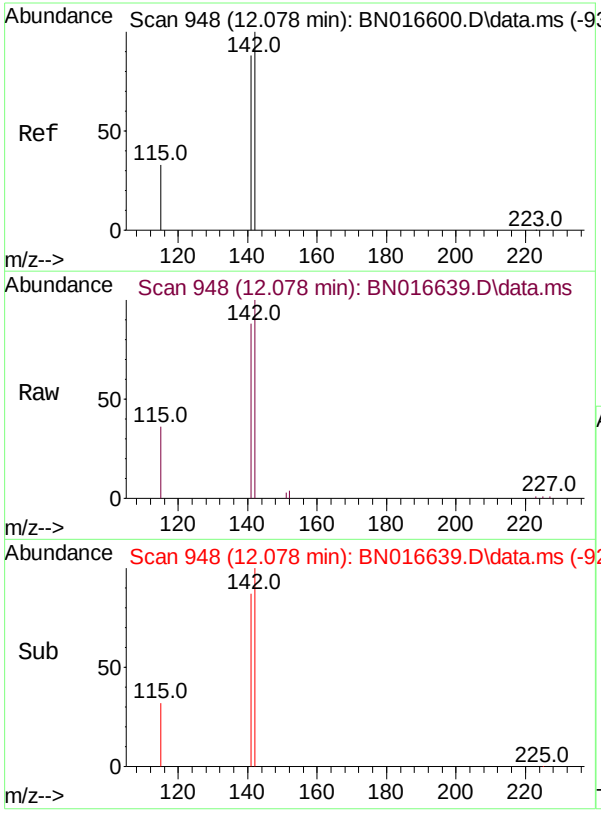


#1(1)
2-Methylnaphthalene-d10
Concen: 0.292 ng
RT: 12.003 min Scan# 931
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:152 Resp: 59076

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.4

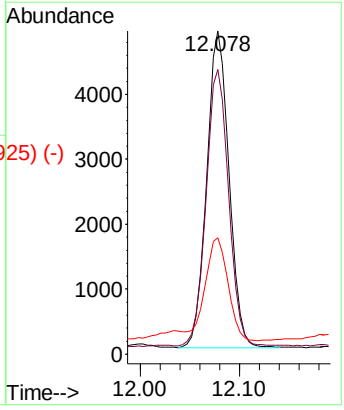




#1(2)
2-Methylnaphthalene
Concen: 0.032 ng
RT: 12.078 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:142 Resp: 7623

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.6	105.8
115	36.0	26.6	39.8



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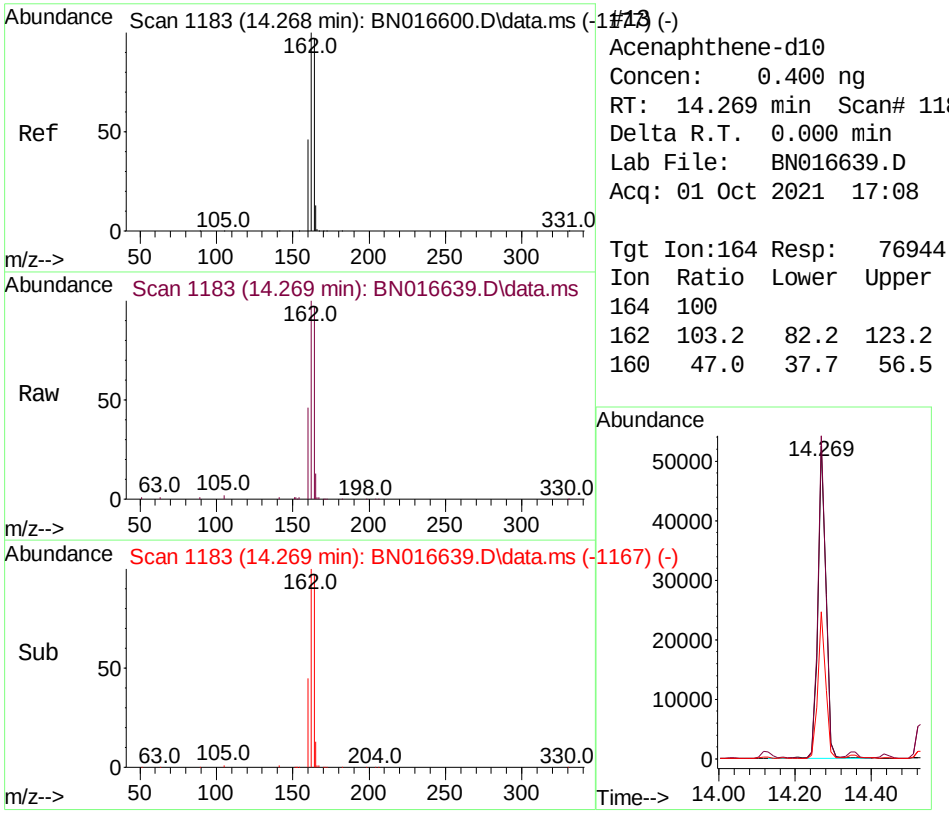
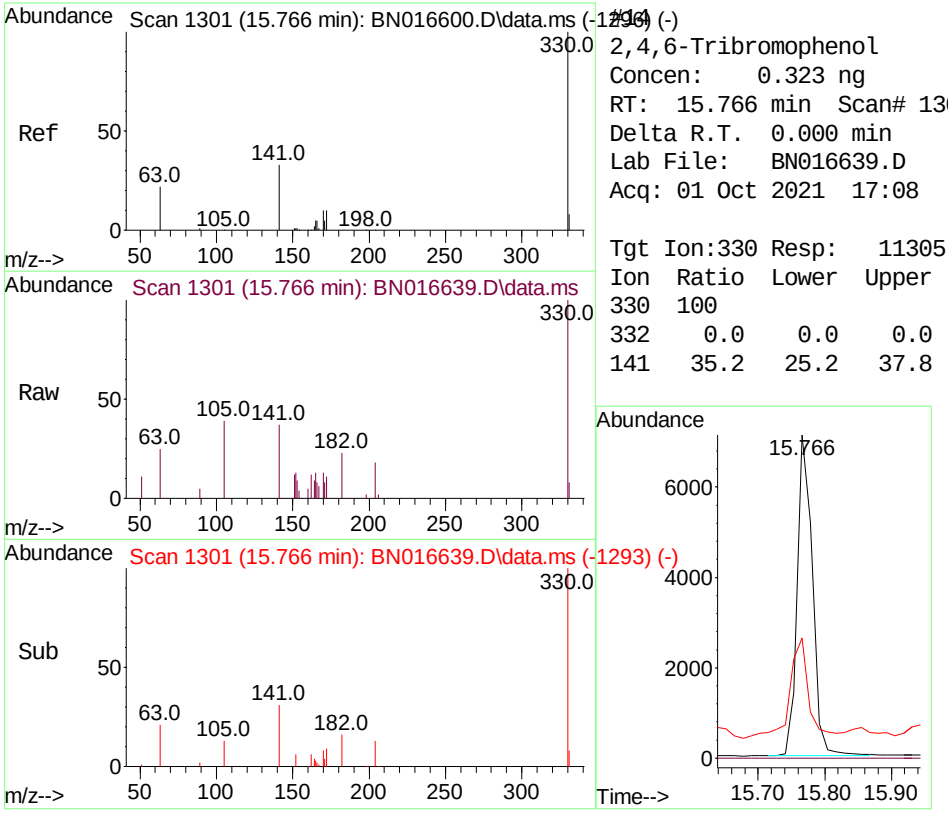


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:164 Resp: 76944

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.2
160	47.0	37.7	56.5



#14
2,4,6-Tribromophenol
Concen: 0.323 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:330 Resp: 11305

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.2	25.2	37.8

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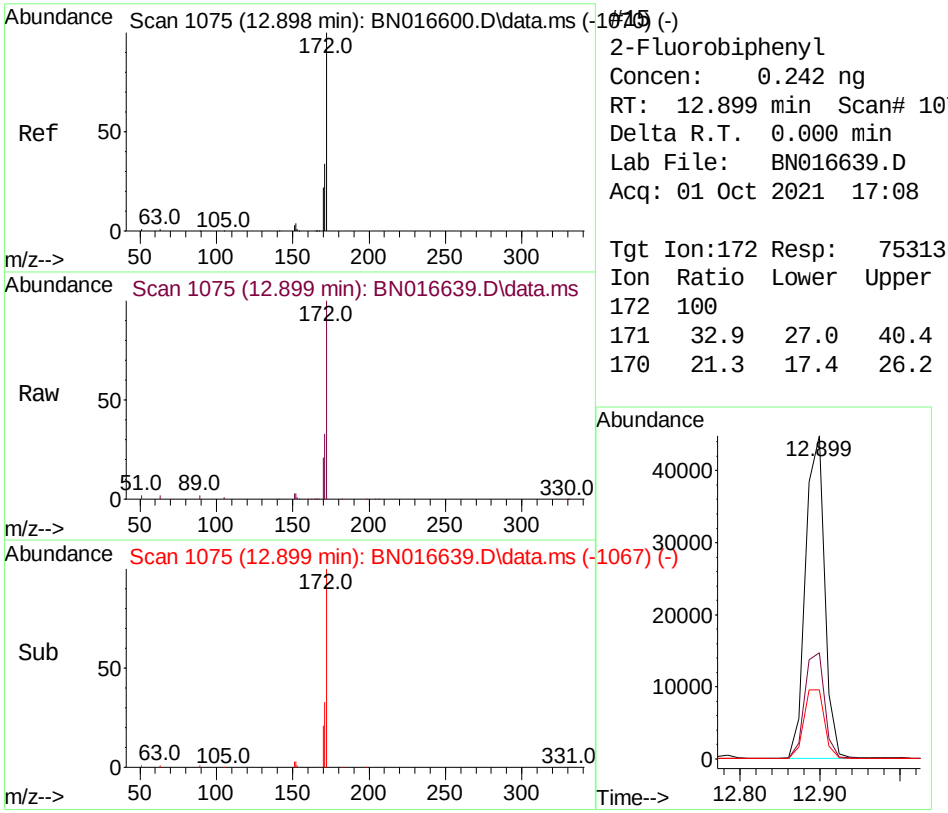
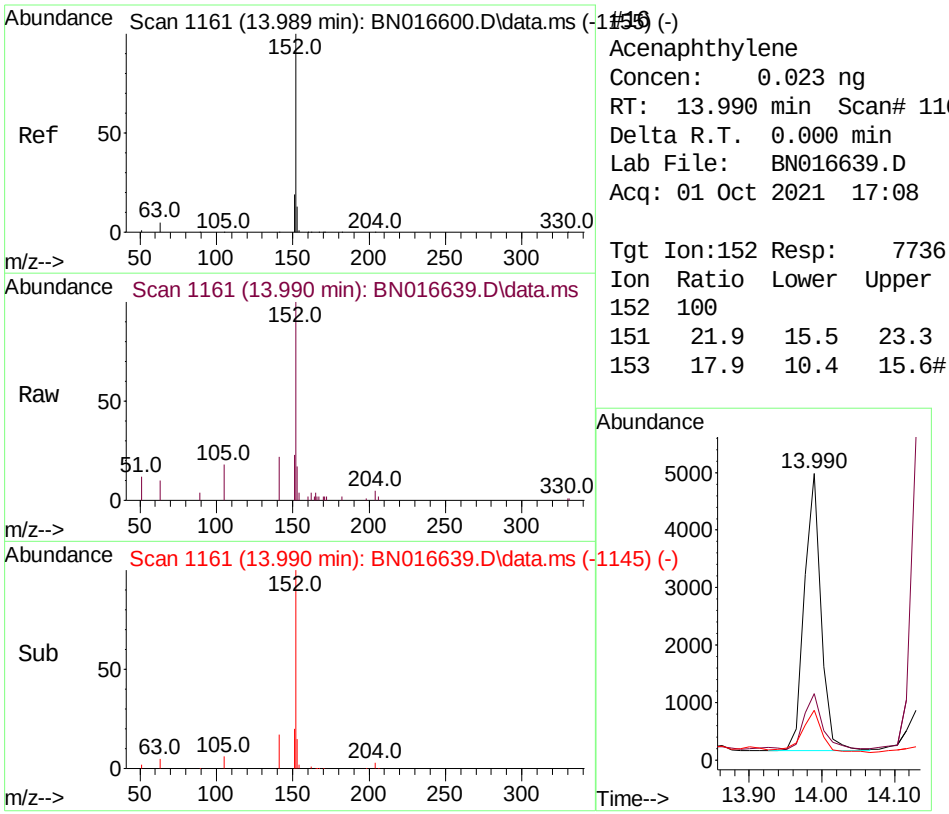


#15
2-Fluorobiphenyl
Concen: 0.242 ng
RT: 12.899 min Scan# 1075
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:172 Resp: 75313

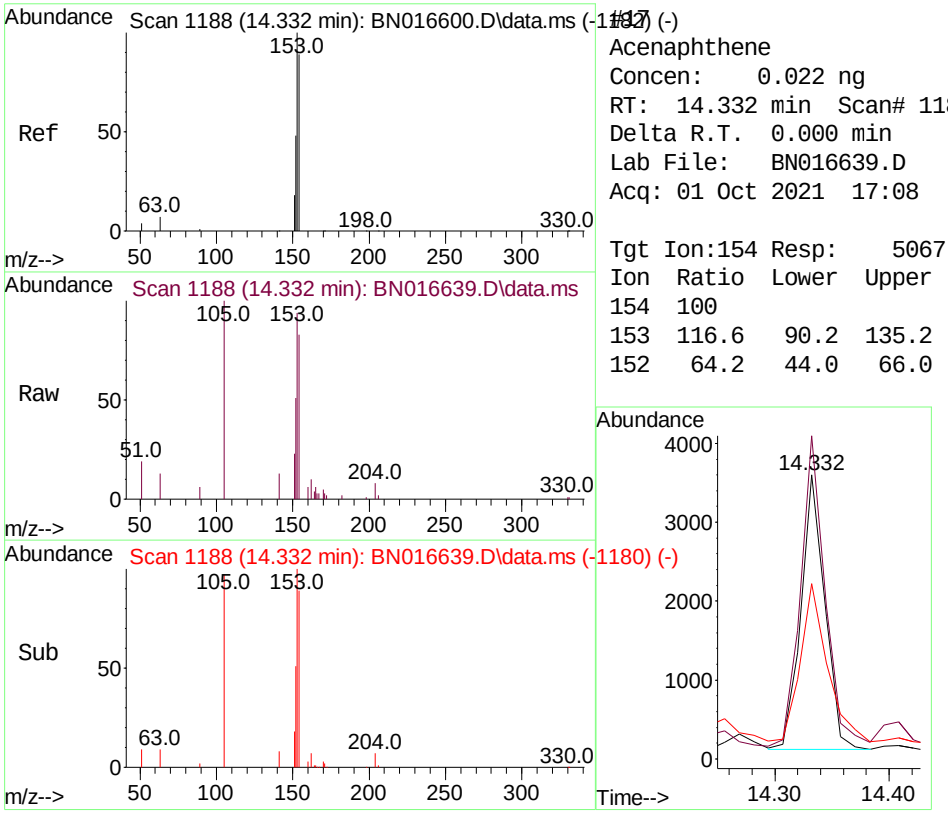
Ion	Ratio	Lower	Upper
172	100		
171	32.9	27.0	40.4
170	21.3	17.4	26.2



#16
Acenaphthylene
Concen: 0.023 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:152 Resp: 7736

Ion	Ratio	Lower	Upper
152	100		
151	21.9	15.5	23.3
153	17.9	10.4	15.6#



#17
Acenaphthene
Concen: 0.022 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:154 Resp: 5067

Ion	Ratio	Lower	Upper
154	100		
153	116.6	90.2	135.2
152	64.2	44.0	66.0

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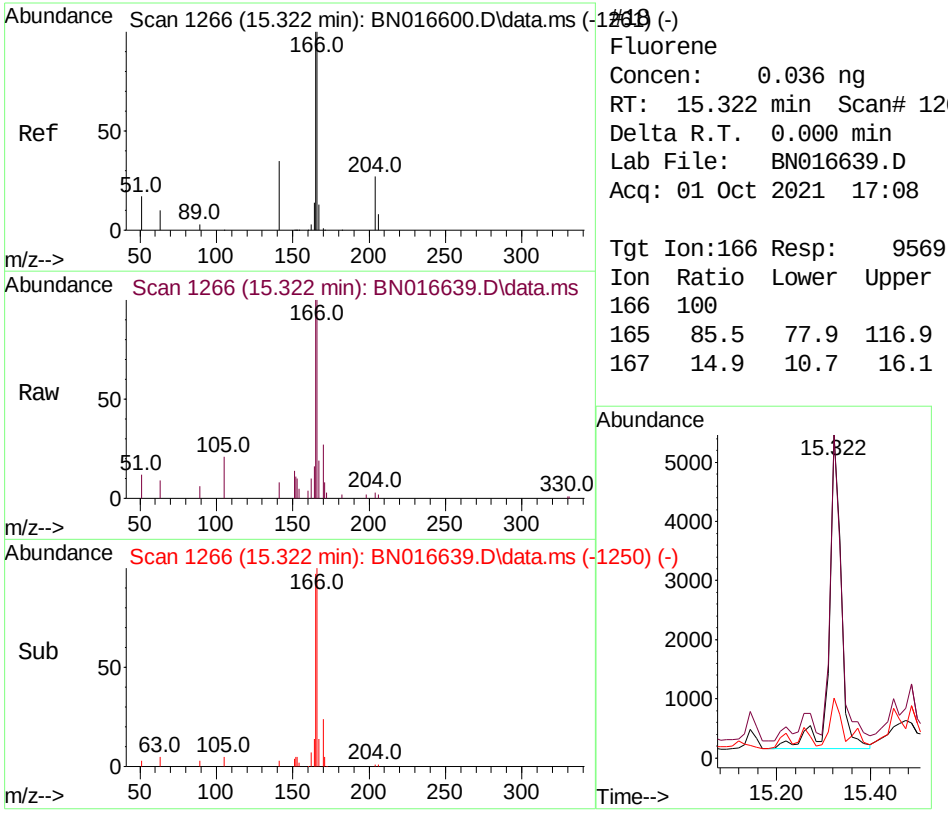

#18
Fluorene
Concen: 0.036 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:166 Resp: 9569

Ion	Ratio	Lower	Upper
166	100		
165	85.5	77.9	116.9
167	14.9	10.7	16.1

Instrument :
BNA_N
ClientSampleId :
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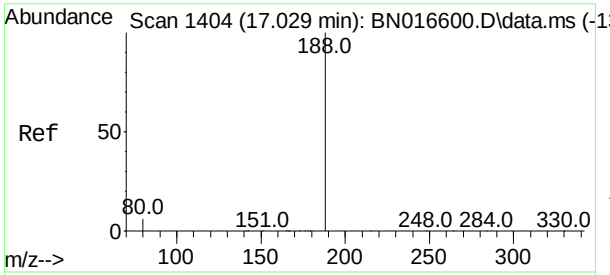
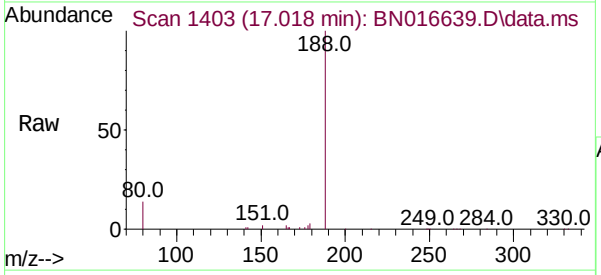
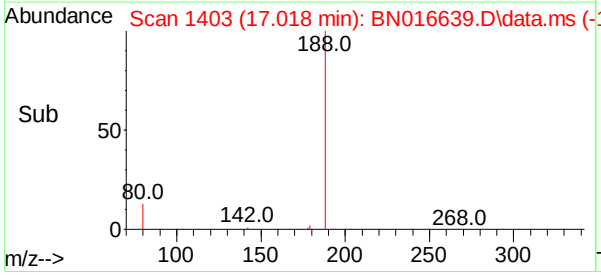


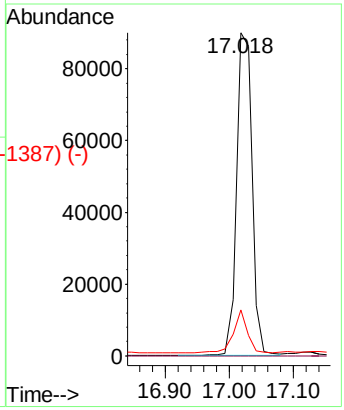
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.018 min Scan# 1403
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

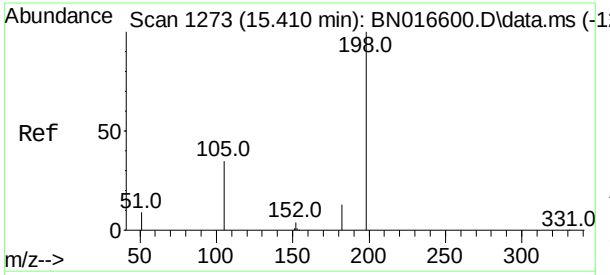
Tgt Ion:188 Resp: 151825

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.2	5.0	7.6#





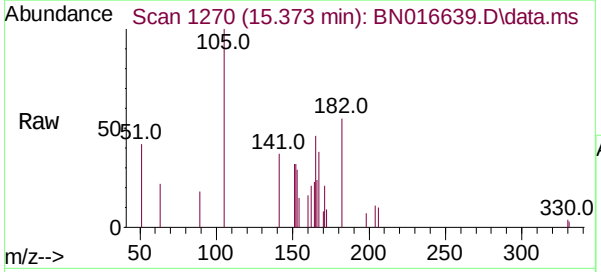


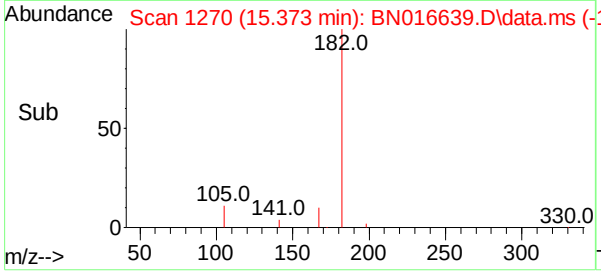


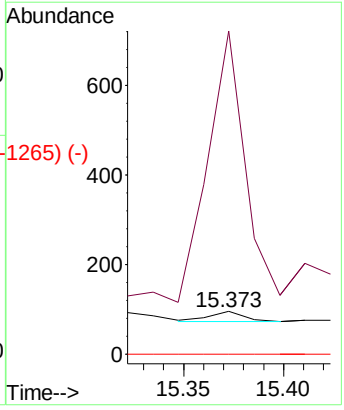
#20
4,6-Dinitro-2-methylphenol
Concen: 0.138 ng
RT: 15.373 min Scan# 1270
Delta R.T. -0.038 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:198 Resp: 26

Ion	Ratio	Lower	Upper
198	100		
182	760.0	11.8	17.8#
77	0.0	0.0	0.0







Instrument :
BNA_N
ClientSampleId :
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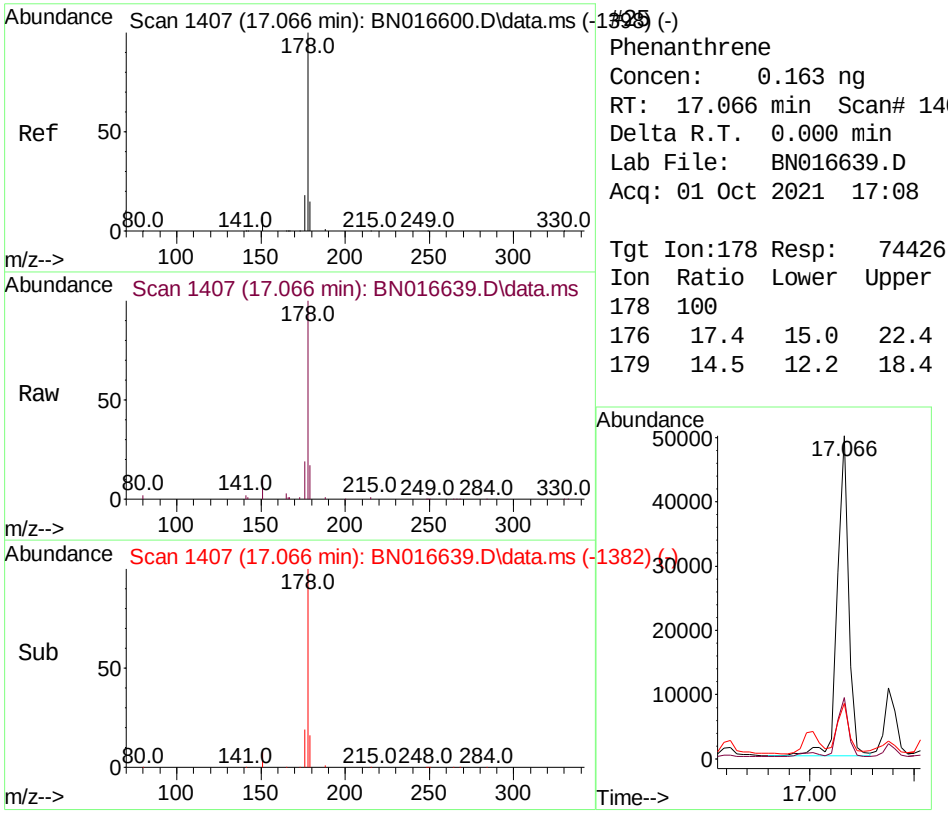
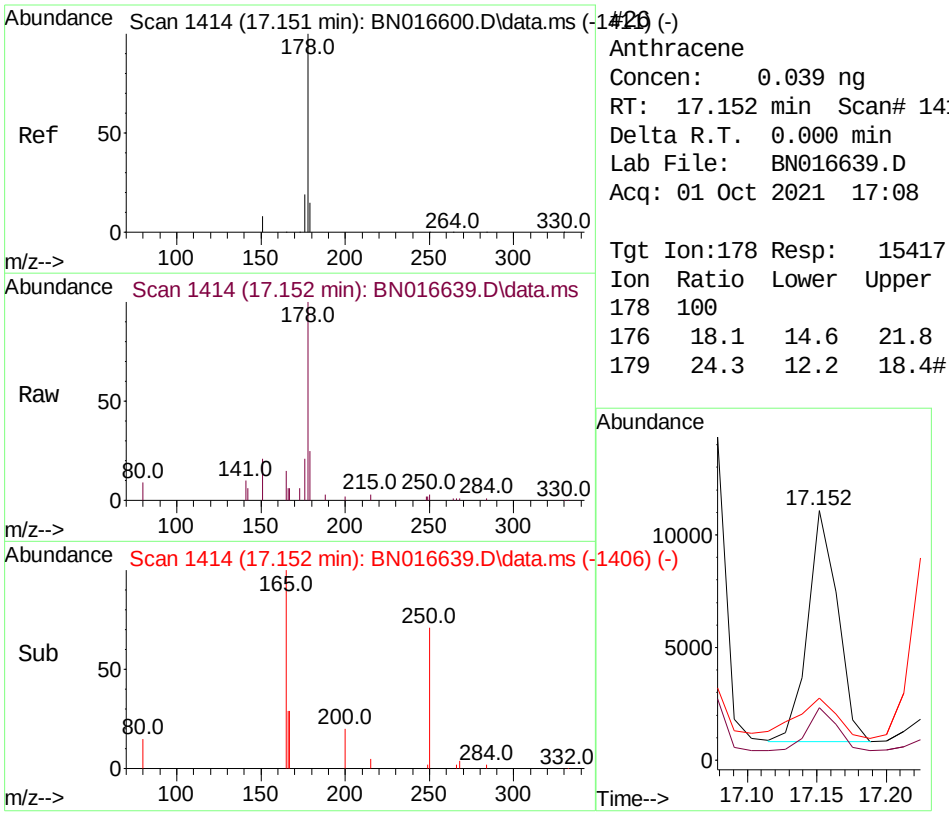


#25
Phenanthrene
Concen: 0.163 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:178 Resp: 74426

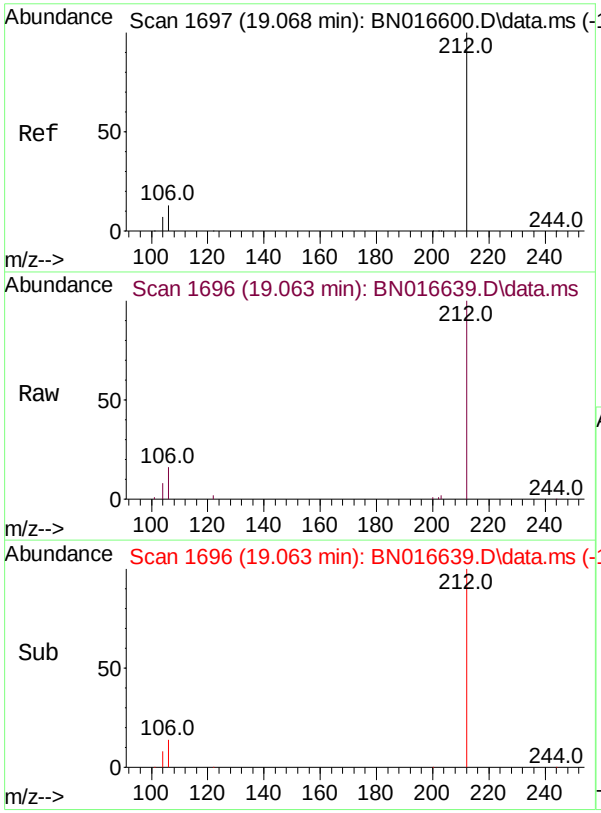
Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.0	22.4
179	14.5	12.2	18.4



#26
Anthracene
Concen: 0.039 ng
RT: 17.152 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:178 Resp: 15417

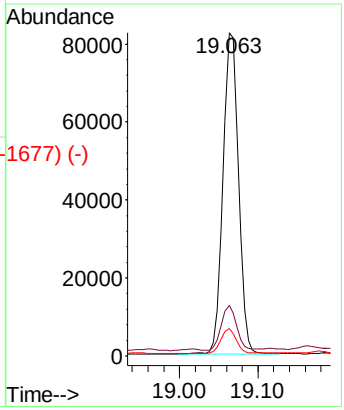
Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	24.3	12.2	18.4#

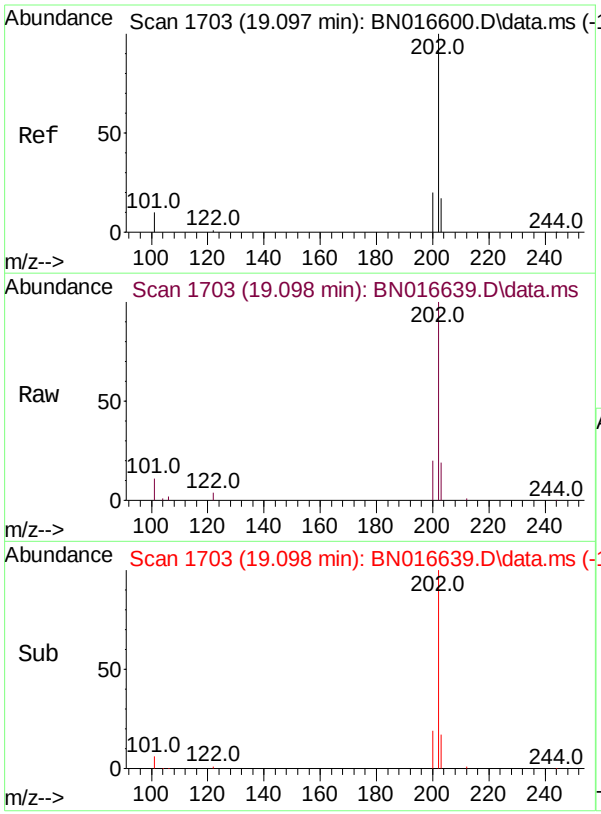


#27
Fluoranthene-d10
Concen: 0.278 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:212 Resp: 112204

Ion	Ratio	Lower	Upper
212	100		
106	13.9	10.6	16.0
104	7.4	5.9	8.9

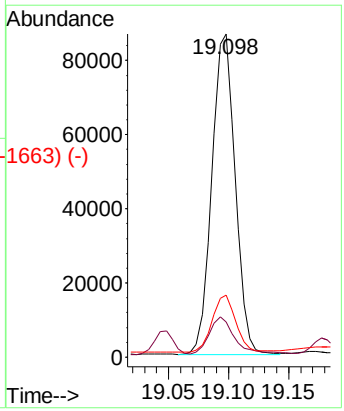




#28
Fluoranthene
Concen: 0.236 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:202 Resp: 116592

Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.0	13.4
203	18.0	13.8	20.6



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BNA_N
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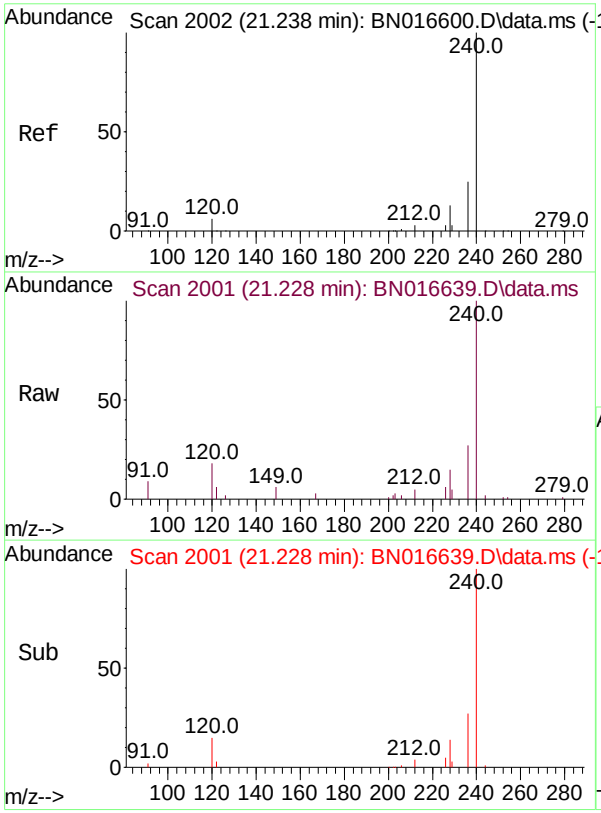
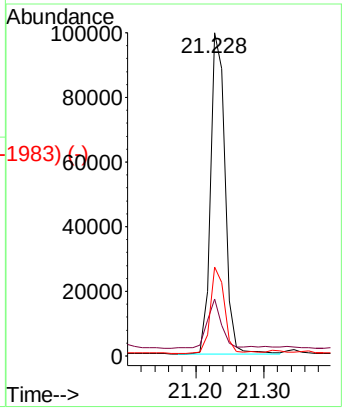
Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

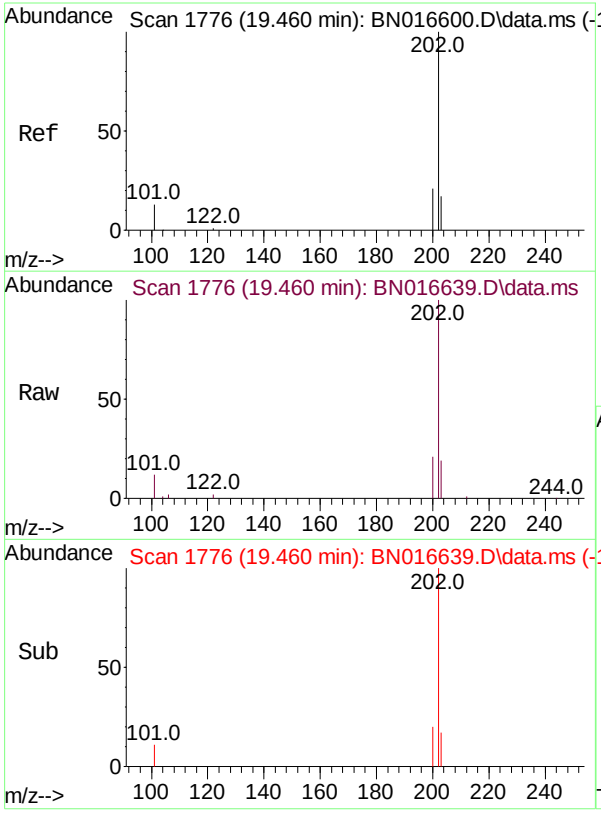


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.228 min Scan# 2001
Delta R.T. -0.011 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:240 Resp: 146473

Ion	Ratio	Lower	Upper
240	100		
120	17.7	5.0	7.4#
236	27.5	20.4	30.6

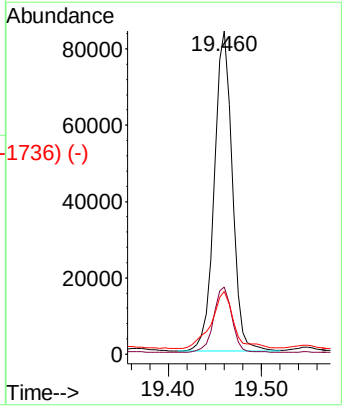




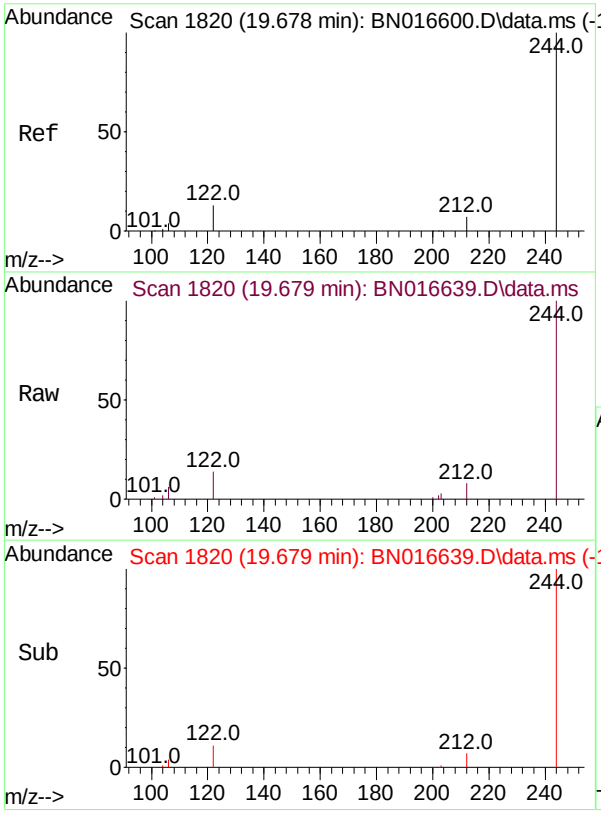
#30
Pyrene
Concen: 0.238 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:202 Resp: 112676

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	21.8	14.0	21.0#



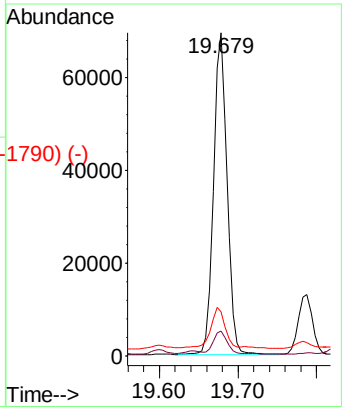
Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

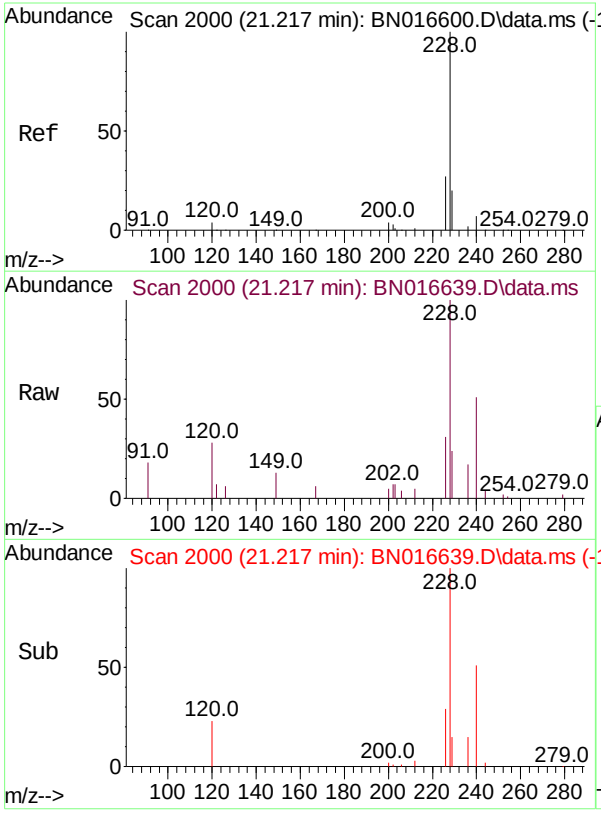


#31
Terphenyl-d14
Concen: 0.257 ng
RT: 19.679 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:244 Resp: 81952

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	13.6	10.1	15.1

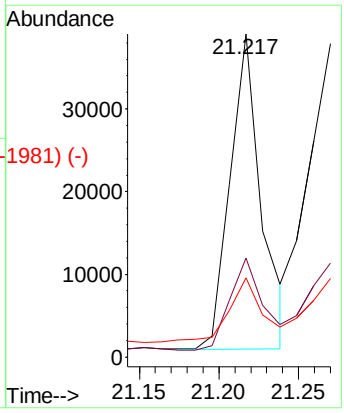




#32
Benzo(a)anthracene
Concen: 0.116 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:228 Resp: 52103

Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.9	32.9
229	24.5	15.7	23.5#



Instrument :
BNA_N
ClientSampleId :
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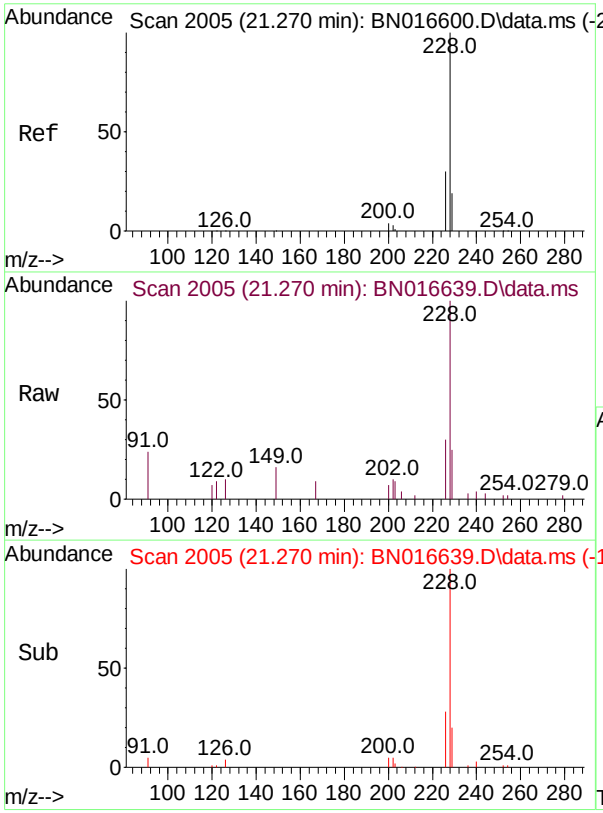
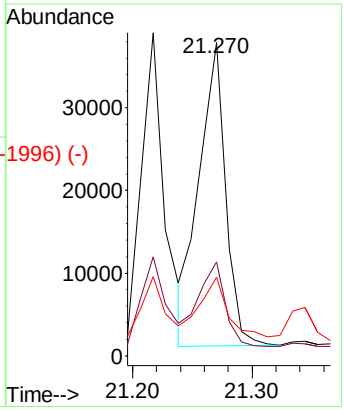
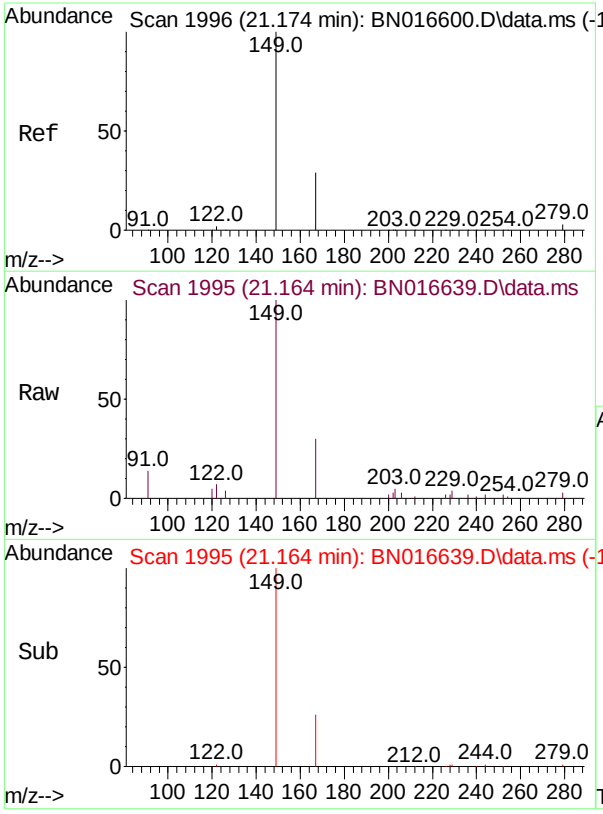


#33
Chrysene
Concen: 0.124 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:228 Resp: 56600

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.7	35.5
229	25.1	15.5	23.3#

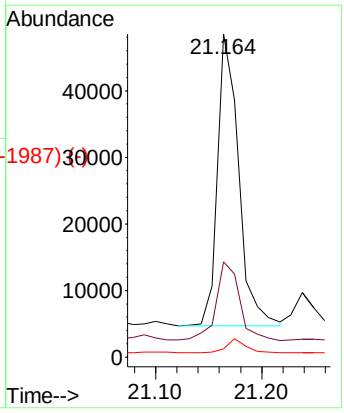


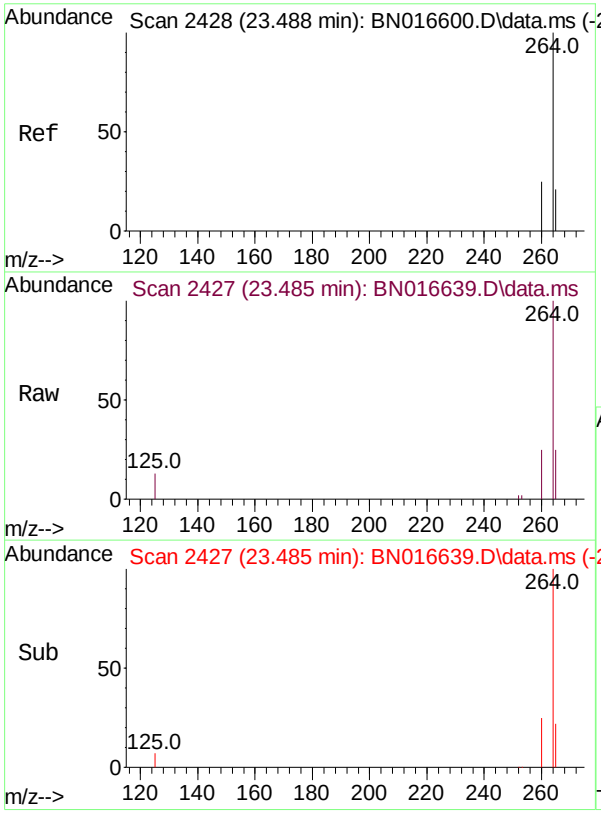


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.339 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.011 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:149 Resp: 60746

Ion	Ratio	Lower	Upper
149	100		
167	29.7	22.2	33.4
279	4.3	3.2	4.8

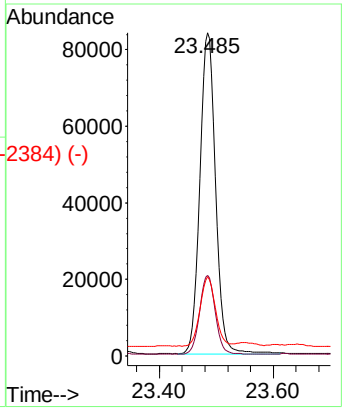




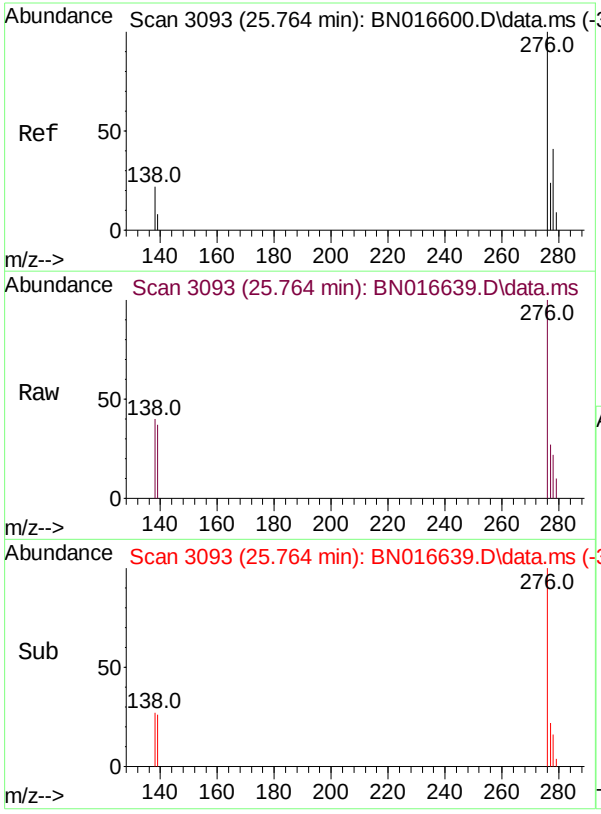
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.485 min Scan# 2427
Delta R.T. -0.003 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:264 Resp: 162525

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.9	29.9
265	24.5	19.2	28.8



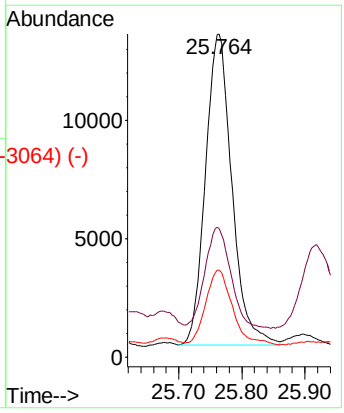
Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021



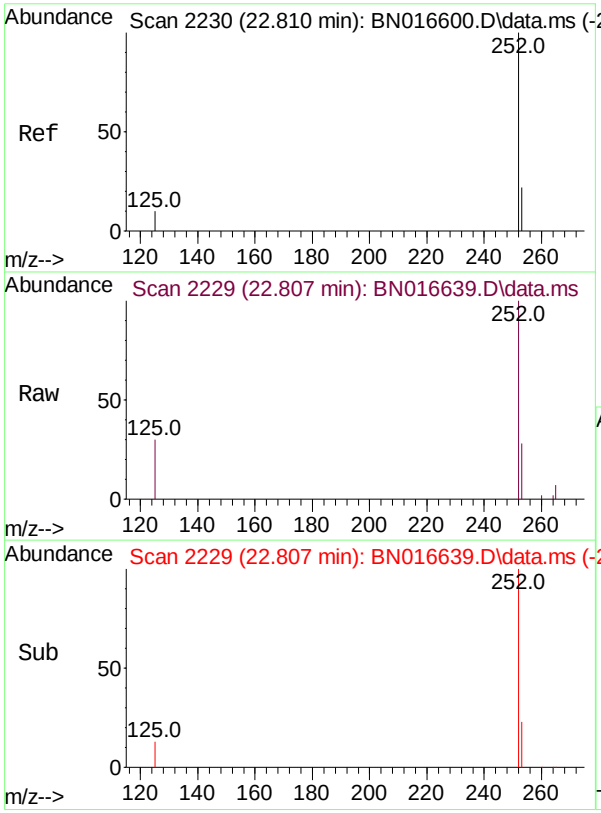
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.066 ng
RT: 25.764 min Scan# 3093
Delta R.T. 0.000 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:276 Resp: 38178

Ion	Ratio	Lower	Upper
276	100		
138	31.8	19.5	29.3#
277	24.2	19.9	29.9



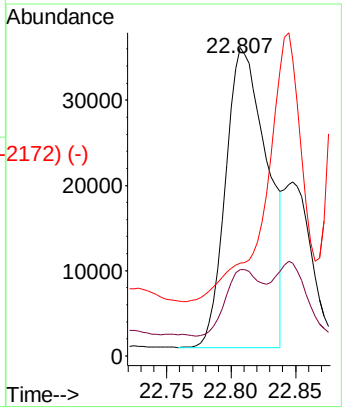
Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021

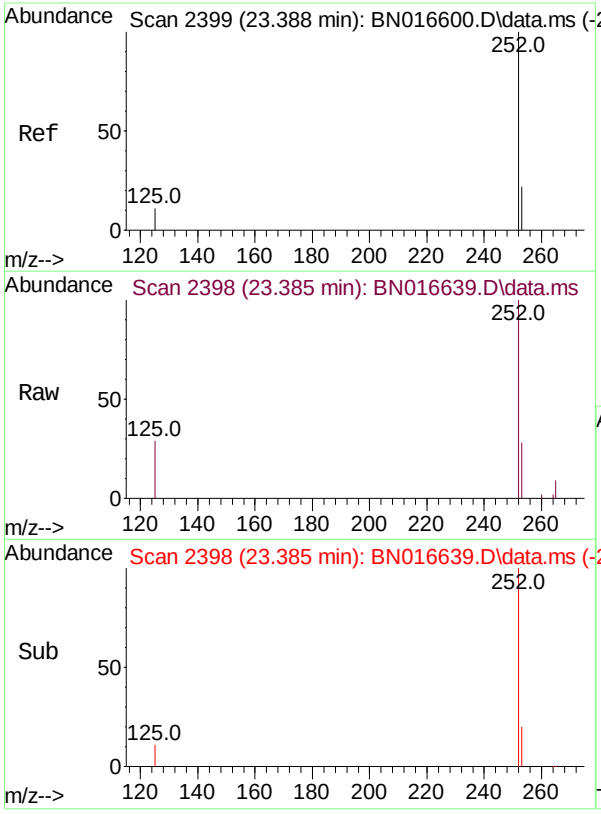


#37
Benzo(b)fluoranthene
Concen: 0.150 ng
RT: 22.807 min Scan# 2229
Delta R.T. -0.003 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:252 Resp: 78394

Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.8	26.8#
125	30.0	8.0	12.0#

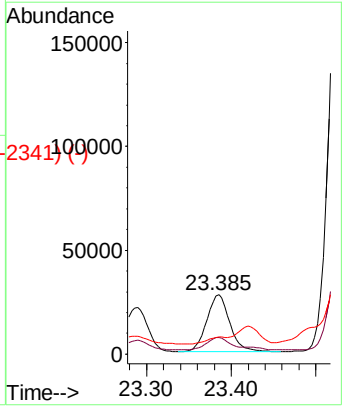




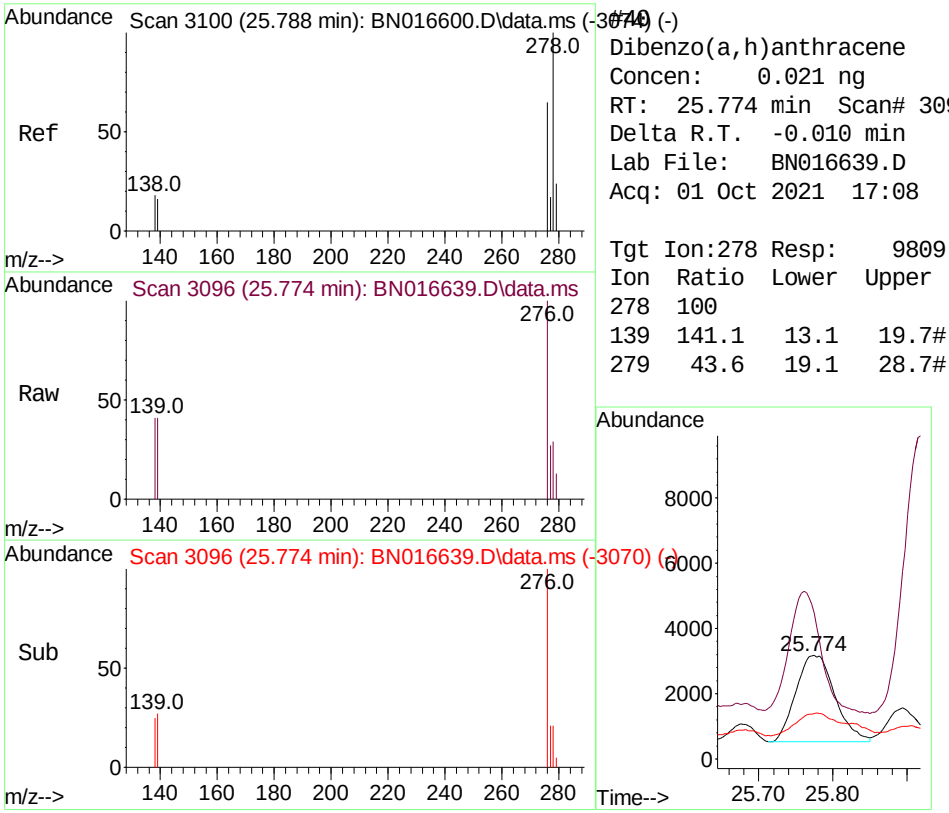
#39
Benzo(a)pyrene
Concen: 0.111 ng
RT: 23.385 min Scan# 2398
Delta R.T. -0.003 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:252 Resp: 51530

Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.8	26.8#
125	28.8	9.0	13.4#



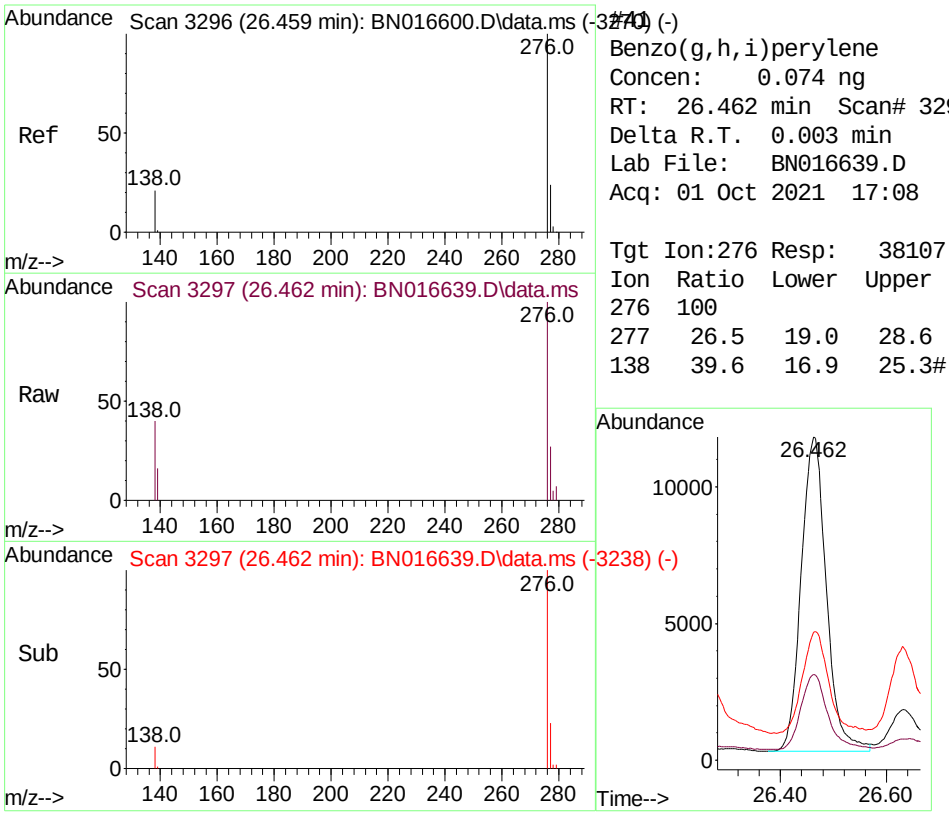
Instrument :
BNA_N
ClientSampleId :
S-821-N-SO-2-2.5-093021



#40
Dibenzo(a,h)anthracene
Concen: 0.021 ng
RT: 25.774 min Scan# 3096
Delta R.T. -0.010 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:278 Resp: 9809

Ion	Ratio	Lower	Upper
278	100		
139	141.1	13.1	19.7#
279	43.6	19.1	28.7#



#41
Benzo(g,h,i)perylene
Concen: 0.074 ng
RT: 26.462 min Scan# 3297
Delta R.T. 0.003 min
Lab File: BN016639.D
Acq: 01 Oct 2021 17:08

Tgt Ion:276 Resp: 38107

Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.0	28.6
138	39.6	16.9	25.3#