Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100721\
Data File : BN016824.D
Acq On : 08 Oct 2021 01:31
Operator : CG/JU
Sample : M4020-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : S-820-N-SO-1-1.5-093021MSD

Quant Time: Oct 08 05:20:38 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 08 01:39:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.615	152	20656	0.400	ng	0.00
7) Naphthalene-d8	10.381	136	95279	0.400	ng	# 0.00
13) Acenaphthene-d10	14.243	164	50030	0.400	ng	0.00
19) Phenanthrene-d10	17.005	188	95028	0.400	ng	0.00
29) Chrysene-d12	21.206	240	91134	0.400	ng	#-0.01
35) Perylene-d12	23.450	264	103237	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.263	112	17732	0.344	ng	0.04
5) Phenol-d6	6.812	99	19555	0.333	ng	0.02
8) Nitrobenzene-d5	8.759	82	20967	0.314	ng	0.00
11) 2-Methylnaphthalene-d10	11.976	152	52647	0.371	ng	0.00
14) 2,4,6-Tribromophenol	15.753	330	7364	0.285	ng	0.00
15) 2-Fluorobiphenyl	12.873	172	59979	0.297	ng	0.00
27) Fluoranthene-d10	19.043	212	88464	0.335	ng	0.00
31) Terphenyl-d14	19.654	244	66276	0.333	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.558	42	6860	0.423	ng	# 95
6) bis(2-Chloroethyl)ether	7.052	93	23715	0.415	ng	100
9) Naphthalene	10.432	128	99119	0.382	ng	100
10) Hexachlorobutadiene	10.723	225	18209	0.367	ng	# 100
12) 2-Methylnaphthalene	12.052	142	65170	0.392	ng	100
16) Acenaphthylene	13.964	152	85945	0.389	ng	100
17) Acenaphthene	14.307	154	55534	0.378	ng	99
18) Fluorene	15.296	166	67774	0.380	ng	100
20) 4,6-Dinitro-2-methylph...	15.385	198	2894	0.320	ng	# 69
21) 4-Bromophenyl-phenylether	16.202	248	23618	0.399	ng	93
22) Hexachlorobenzene	16.312	284	25163	0.372	ng	100
23) Atrazine	16.482	200	18201	0.387	ng	99
24) Pentachlorophenol	16.652	266	4610	0.248	ng	99
25) Phenanthrene	17.042	178	116071	0.411	ng	100
26) Anthracene	17.127	178	101032	0.403	ng	99
28) Fluoranthene	19.073	202	136003	0.429	ng	100
30) Pyrene	19.435	202	137897	0.492	ng	99
32) Benzo(a)anthracene	21.195	228	128019	0.454	ng	97
33) Chrysene	21.249	228	125510	0.437	ng	98
34) Bis(2-ethylhexyl)phtha...	21.142	149	950511	6.636	ng	100
36) Indeno(1,2,3-cd)pyrene	25.713	276	166434	0.426	ng	100
37) Benzo(b)fluoranthene	22.776	252	143017	0.438	ng	99
38) Benzo(k)fluoranthene	22.820	252	129733	0.408	ng	# 98
39) Benzo(a)pyrene	23.351	252	134908	0.452	ng	99
40) Dibenzo(a,h)anthracene	25.733	278	134112	0.419	ng	100
41) Benzo(g,h,i)perylene	26.401	276	145164	0.427	ng	100

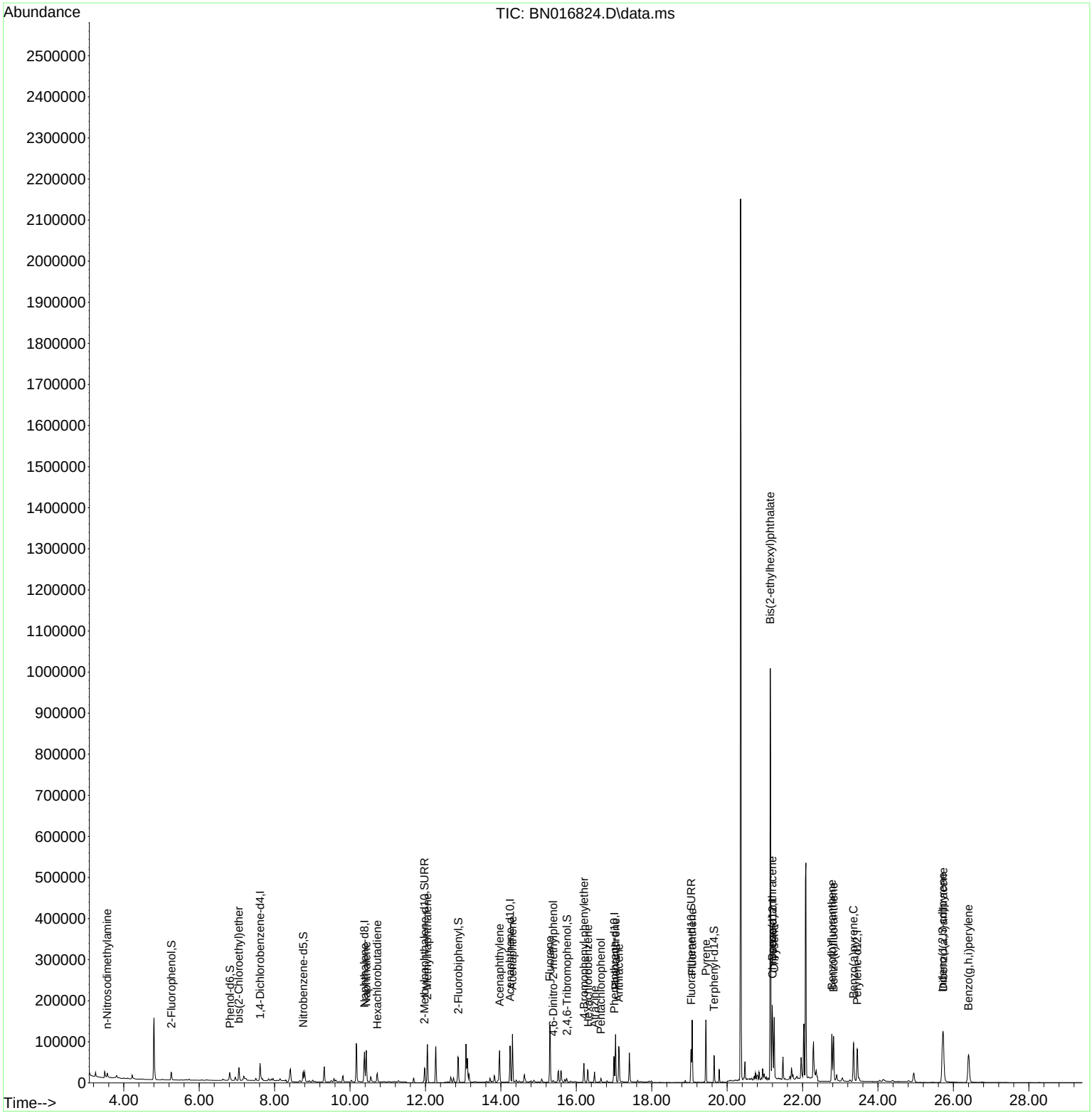
(#) = qualifier out of range (m) = manual integration (+) = signals summed

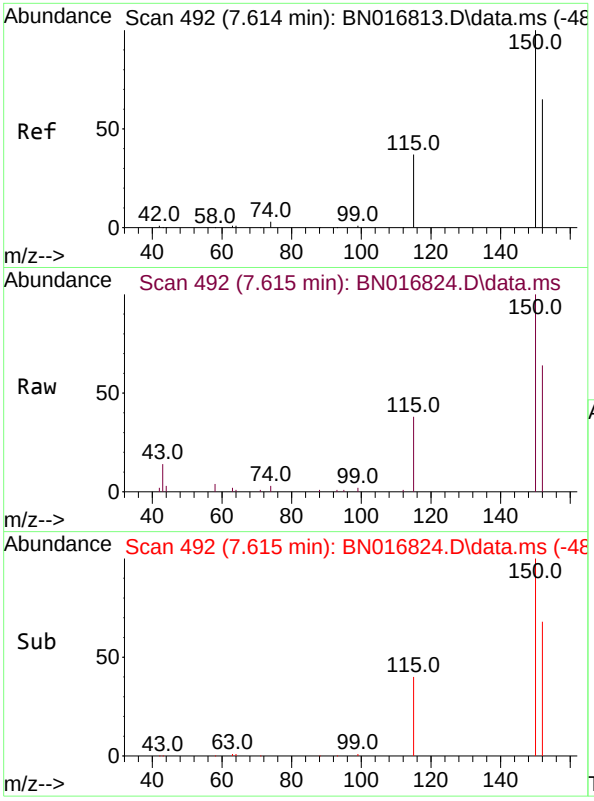
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100721\
Data File : BN016824.D
Acq On : 08 Oct 2021 01:31
Operator : CG/JU
Sample : M4020-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

Quant Time: Oct 08 05:20:38 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 08 01:39:08 2021
Response via : Initial Calibration

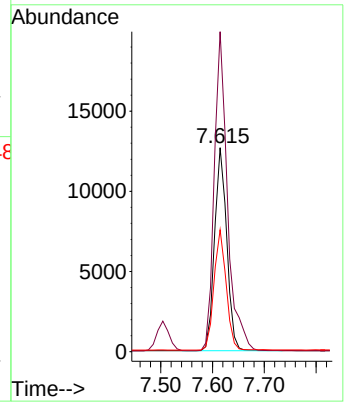




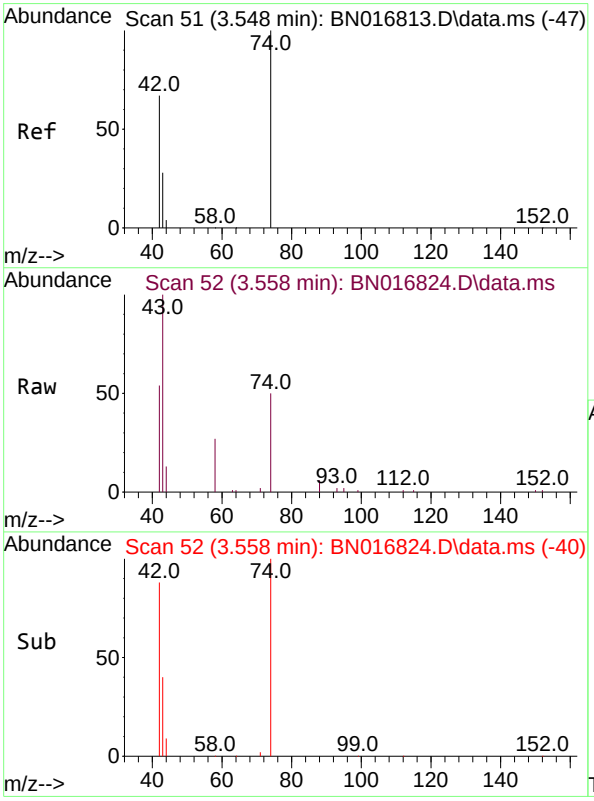
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.615 min Scan# 492
Delta R.T. 0.001 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:152 Resp: 20656

Ion	Ratio	Lower	Upper
152	100		
150	156.9	123.3	184.9
115	59.8	47.0	70.6



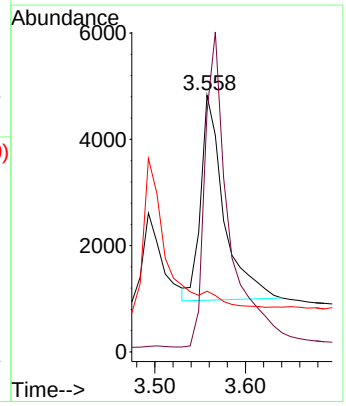
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

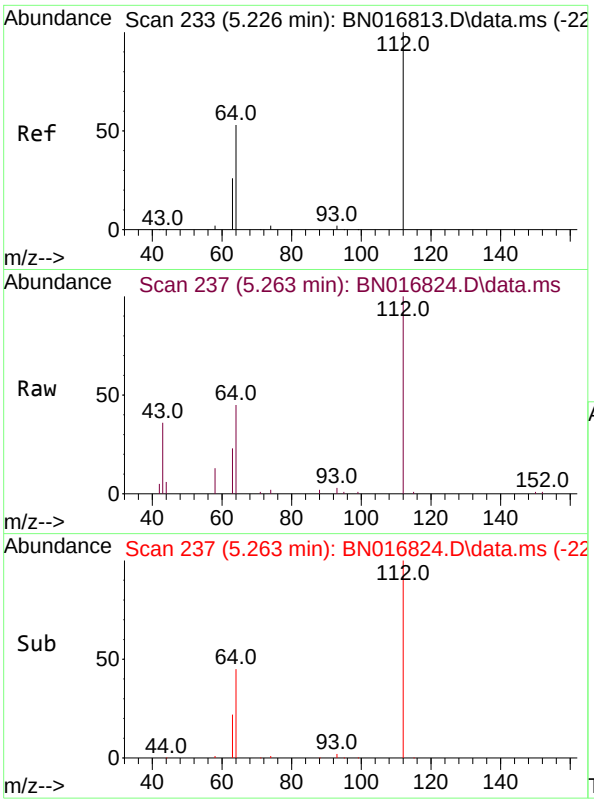


#3
n-Nitrosodimethylamine
Concen: 0.423 ng
RT: 3.558 min Scan# 52
Delta R.T. 0.009 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion: 42 Resp: 6860

Ion	Ratio	Lower	Upper
42	100		
74	161.0	124.0	186.0
44	0.0	5.6	8.4#

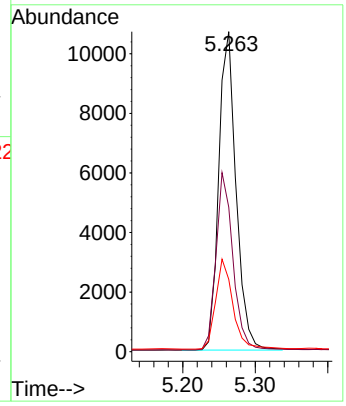




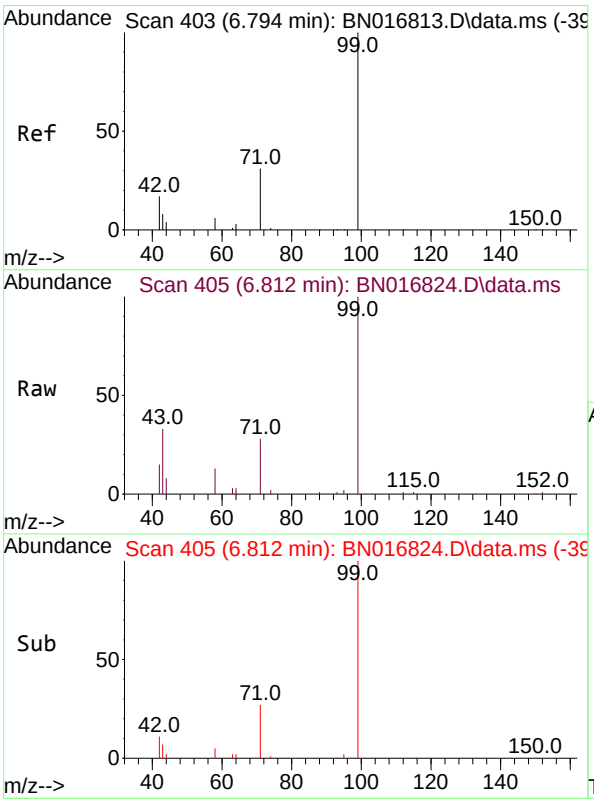
#4
2-Fluorophenol
Concen: 0.344 ng
RT: 5.263 min Scan# 237
Delta R.T. 0.037 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:112 Resp: 17732

Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.9	64.3
63	28.1	21.5	32.3



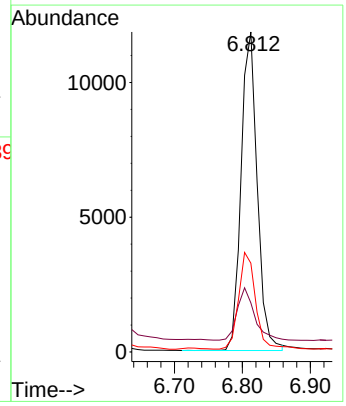
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD



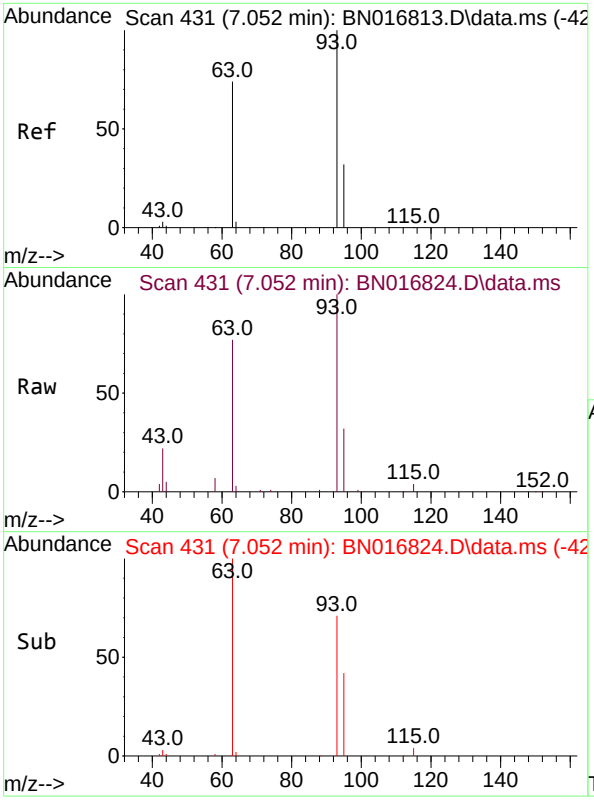
#5
Phenol-d6
Concen: 0.333 ng
RT: 6.812 min Scan# 405
Delta R.T. 0.019 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion: 99 Resp: 19555

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.4	20.2
71	31.5	24.0	36.0



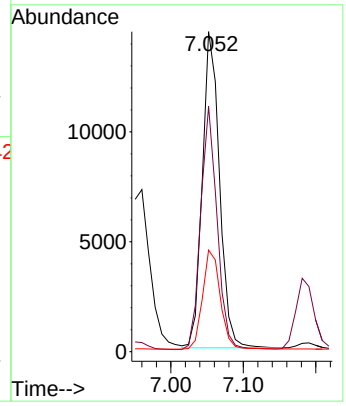
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

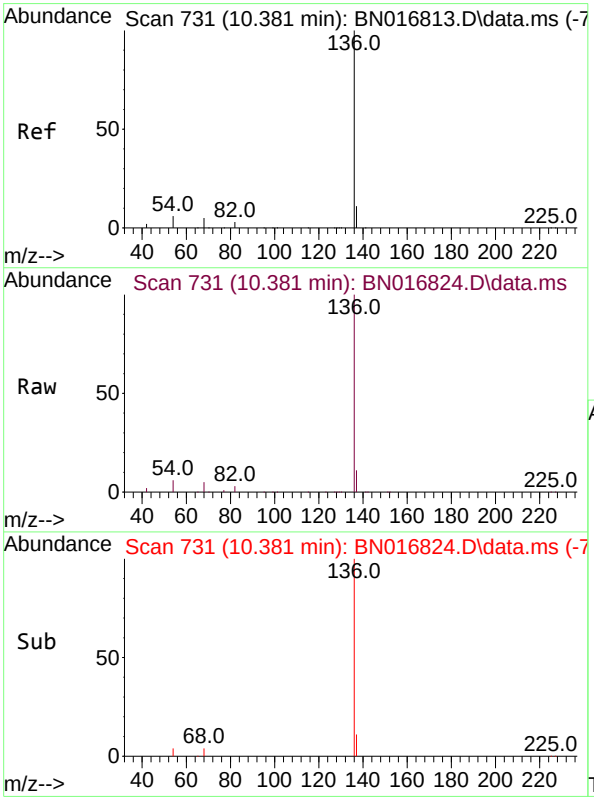


#6
bis(2-Chloroethyl)ether
Concen: 0.415 ng
RT: 7.052 min Scan# 431
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion: 93 Resp: 23715

Ion	Ratio	Lower	Upper
93	100		
63	73.8	59.0	88.6
95	32.2	26.4	39.6

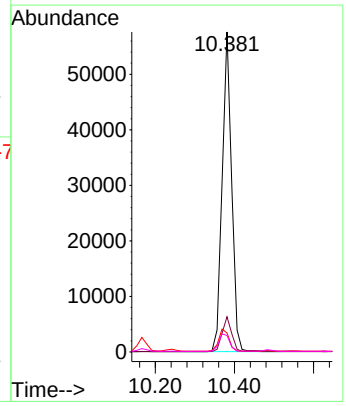




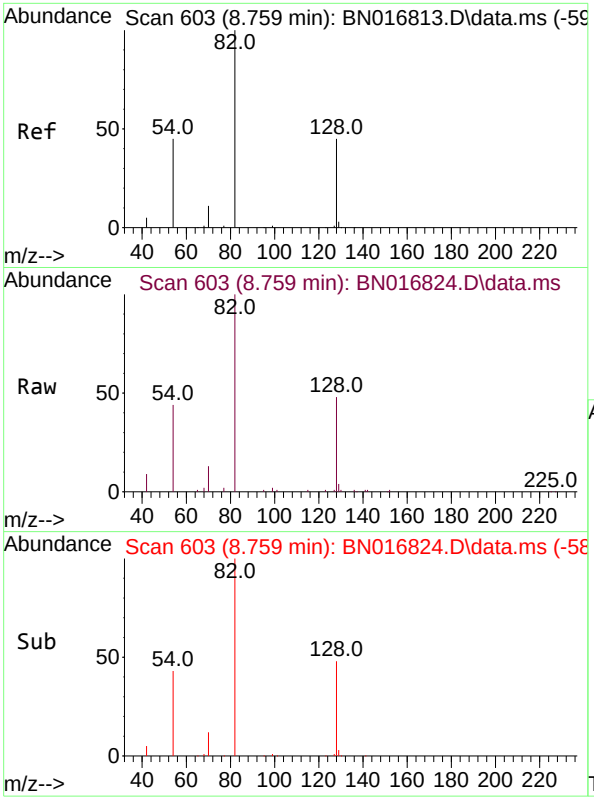
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.381 min Scan# 731
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:136 Resp: 95279

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	5.9	6.5	9.7#
68	5.2	5.3	7.9#



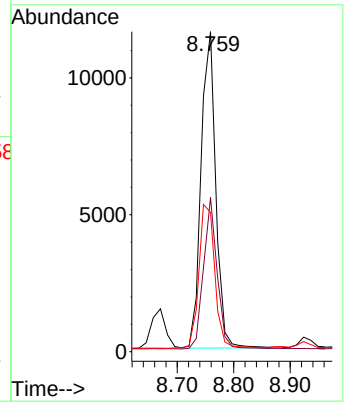
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

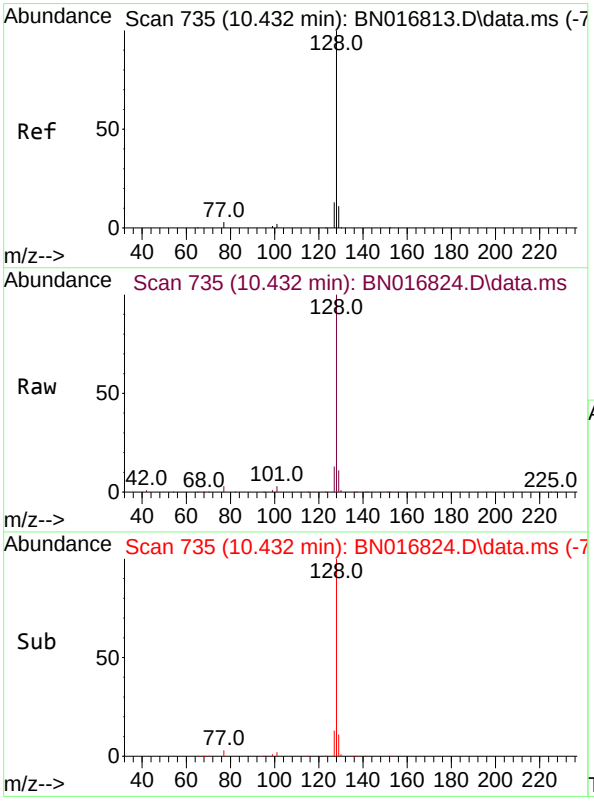


#8
Nitrobenzene-d5
Concen: 0.314 ng
RT: 8.759 min Scan# 603
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion: 82 Resp: 20967

Ion	Ratio	Lower	Upper
82	100		
128	48.2	33.8	50.6
54	43.5	38.5	57.7

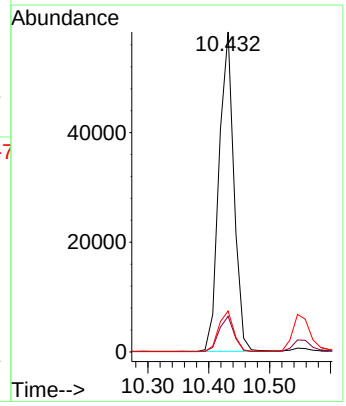


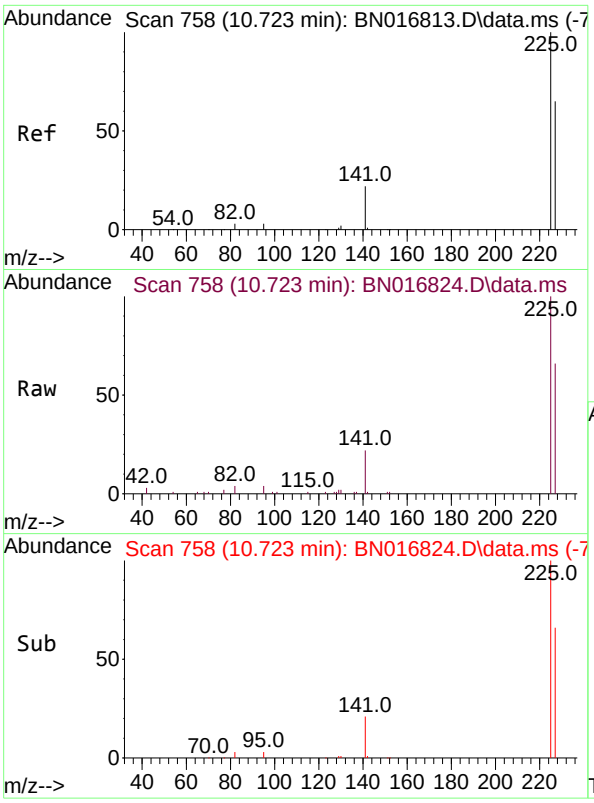


#9
Naphthalene
Concen: 0.382 ng
RT: 10.432 min Scan# 735
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:128 Resp: 99119

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.8	10.3	15.5

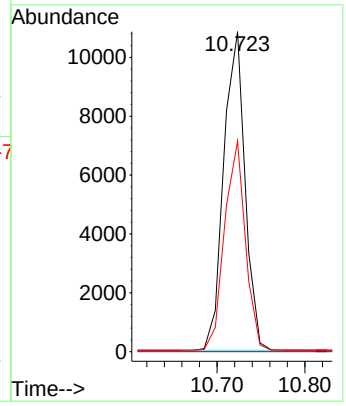




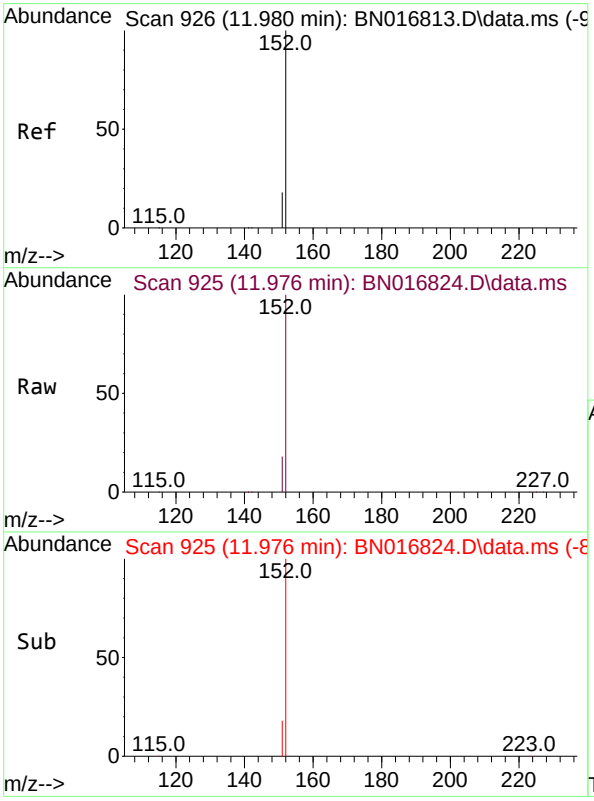
#10
Hexachlorobutadiene
Concen: 0.367 ng
RT: 10.723 min Scan# 758
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:225 Resp: 18209

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.1	76.7



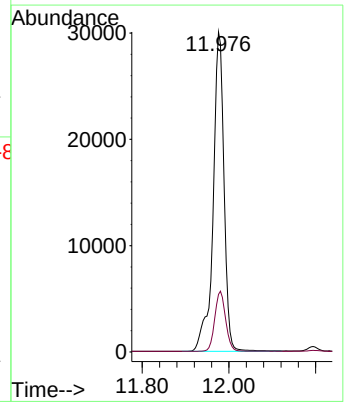
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

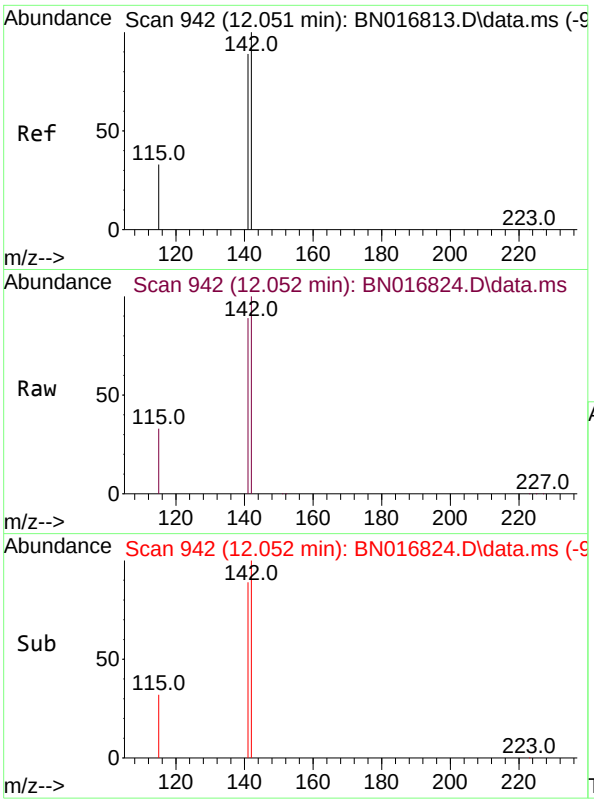


#11
2-Methylnaphthalene-d10
Concen: 0.371 ng
RT: 11.976 min Scan# 925
Delta R.T. -0.004 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:152 Resp: 52647

Ion	Ratio	Lower	Upper
152	100		
151	18.7	16.2	24.4

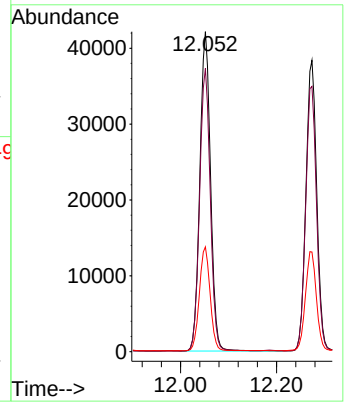




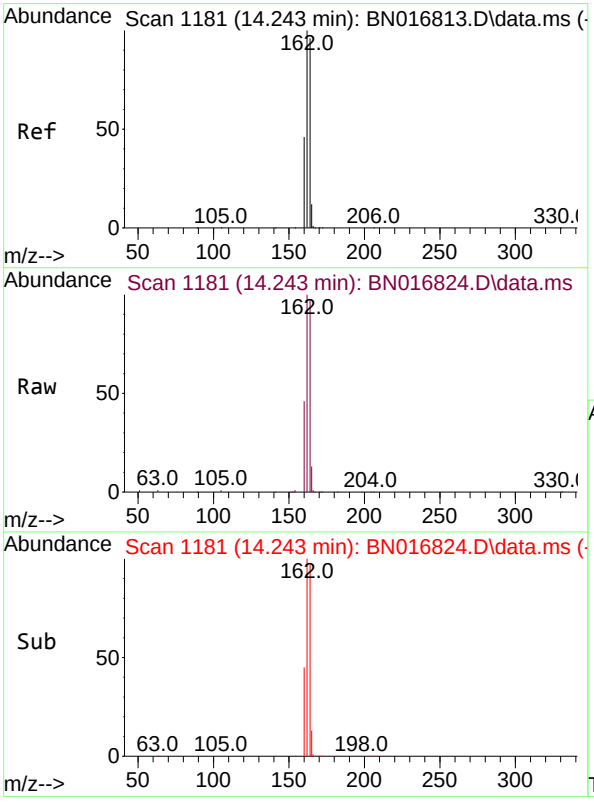
#12
2-Methylnaphthalene
Concen: 0.392 ng
RT: 12.052 min Scan# 942
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:142 Resp: 65170

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.6	106.0
115	32.7	26.1	39.1



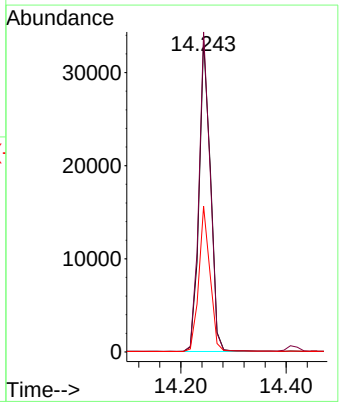
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

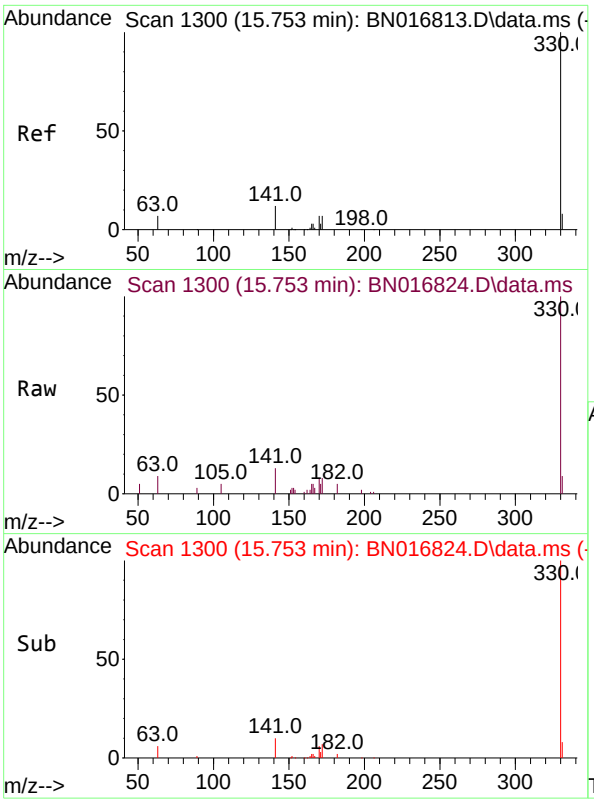


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.243 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:164 Resp: 50030

Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	124.0
160	46.7	38.2	57.2

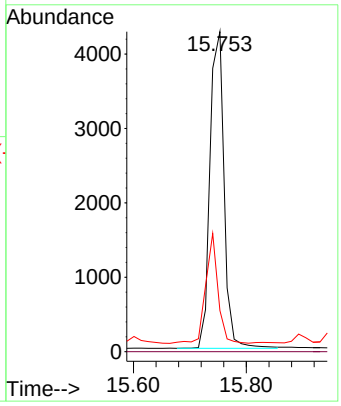




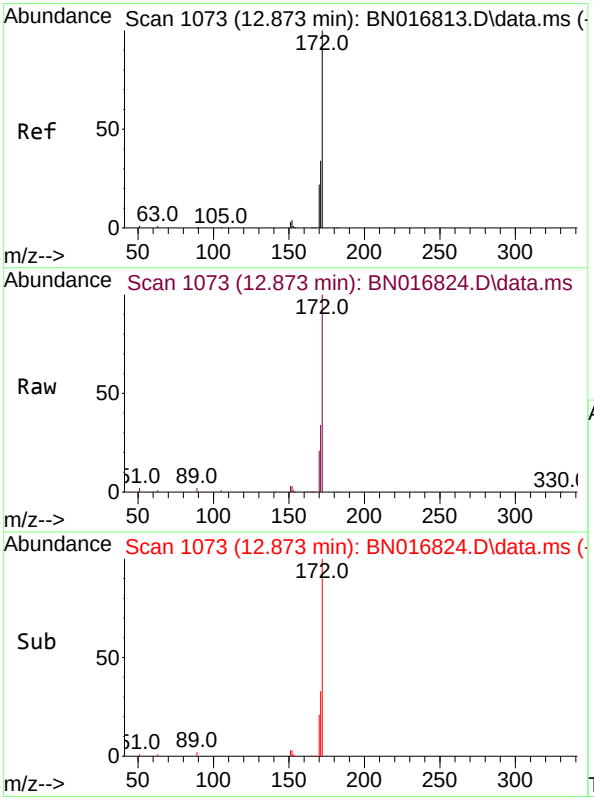
#14
2,4,6-Tribromophenol
Concen: 0.285 ng
RT: 15.753 min Scan# 1300
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:330 Resp: 7364

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.7	24.2	36.2



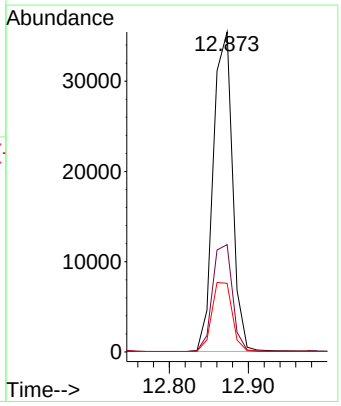
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD



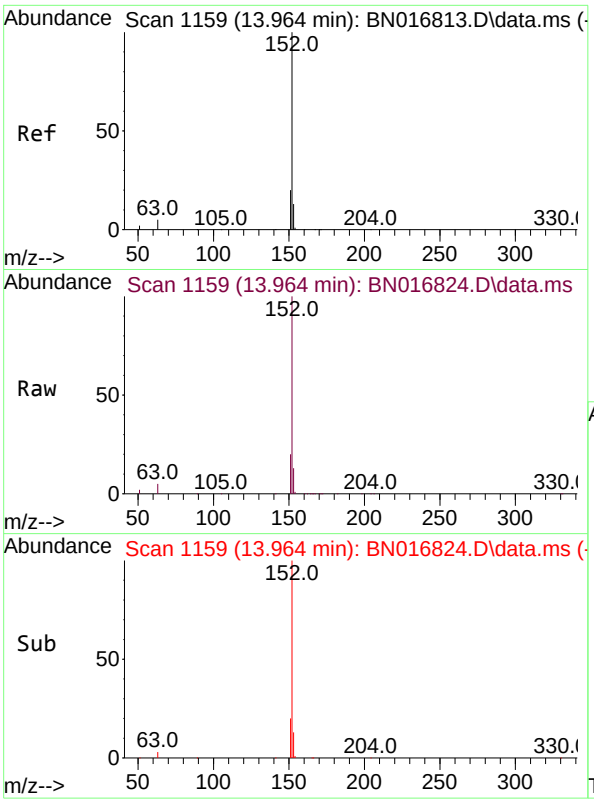
#15
2-Fluorobiphenyl
Concen: 0.297 ng
RT: 12.873 min Scan# 1073
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:172 Resp: 59979

Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.9	40.3
170	21.4	17.4	26.0



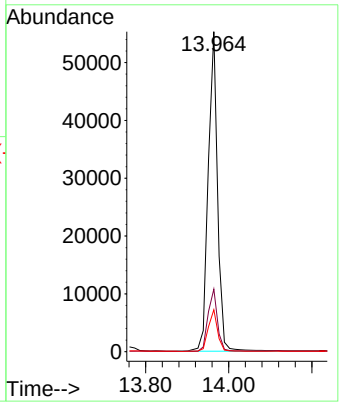
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

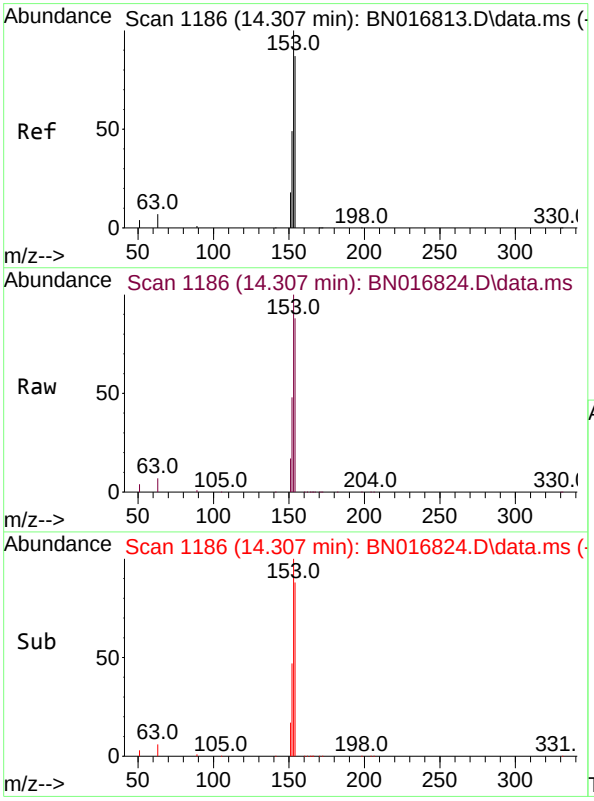


#16
Acenaphthylene
Concen: 0.389 ng
RT: 13.964 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:152 Resp: 85945

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3
153	13.0	10.4	15.6

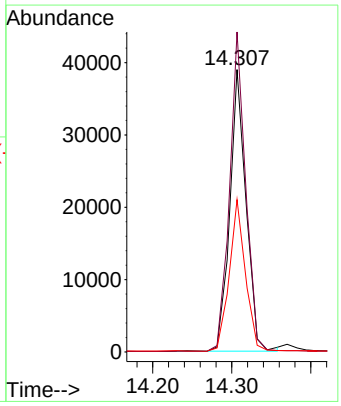




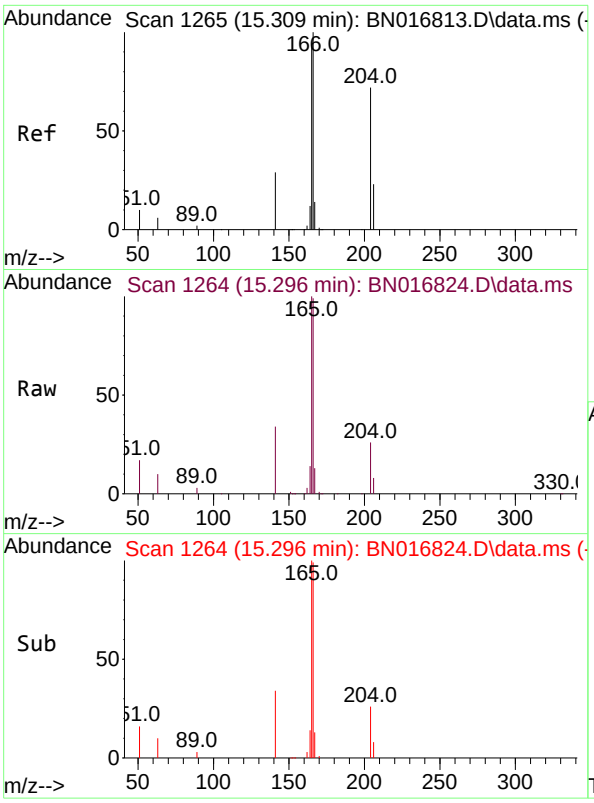
#17
Acenaphthene
Concen: 0.378 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:154 Resp: 55534

Ion	Ratio	Lower	Upper
154	100		
153	113.0	90.1	135.1
152	53.6	43.6	65.4



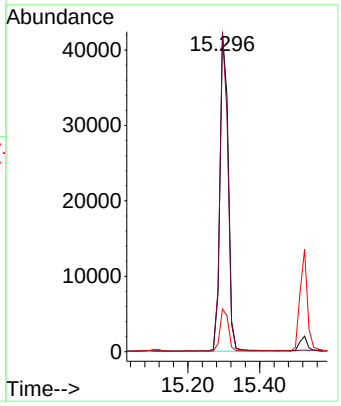
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

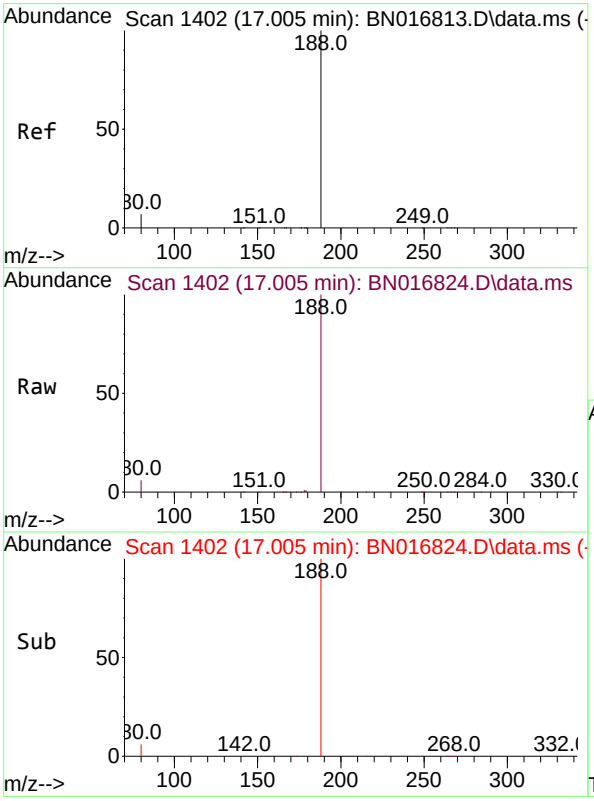


#18
Fluorene
Concen: 0.380 ng
RT: 15.296 min Scan# 1264
Delta R.T. -0.013 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:166 Resp: 67774

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.1	117.1
167	13.5	10.7	16.1

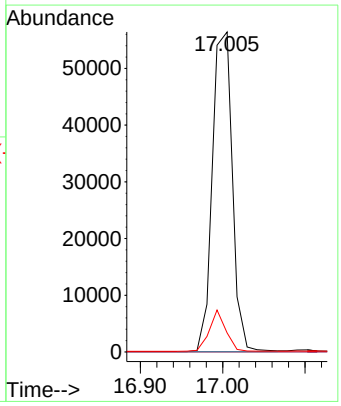




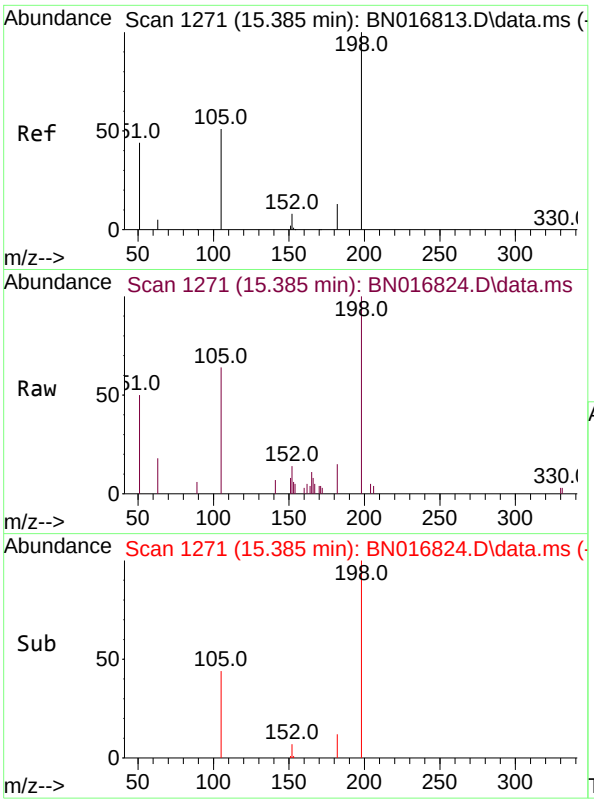
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.005 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:188 Resp: 95028

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.0	5.8	8.8



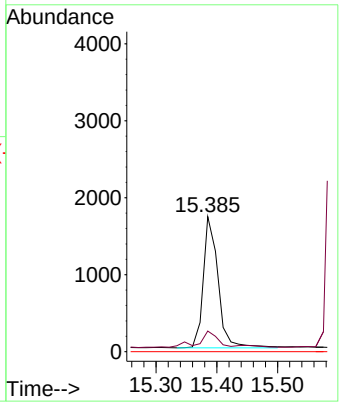
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

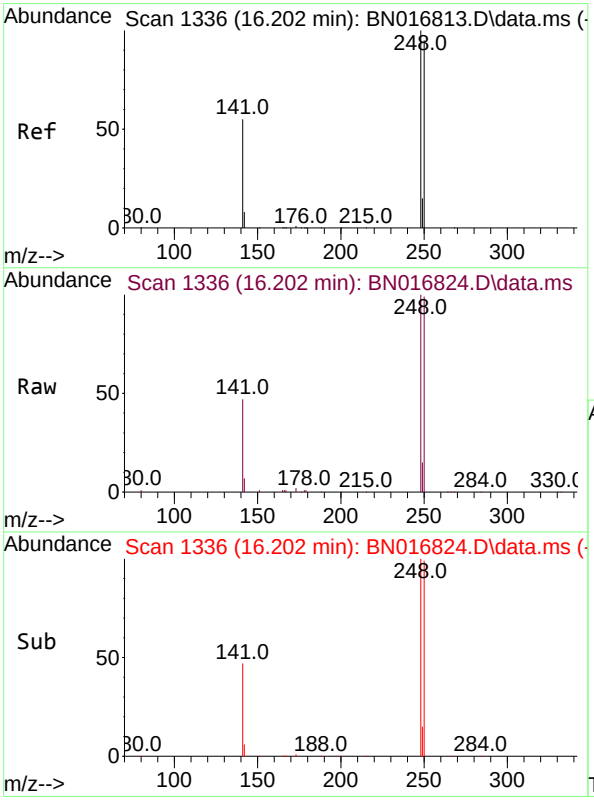


#20
4,6-Dinitro-2-methylphenol
Concen: 0.320 ng
RT: 15.385 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:198 Resp: 2894

Ion	Ratio	Lower	Upper
198	100		
182	15.2	26.2	39.2#
77	0.0	0.0	0.0

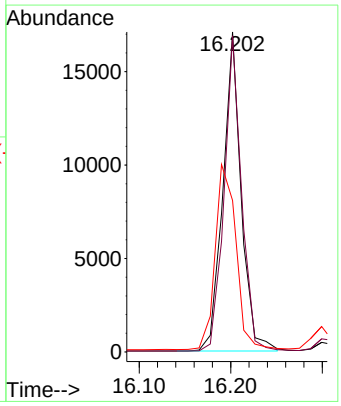


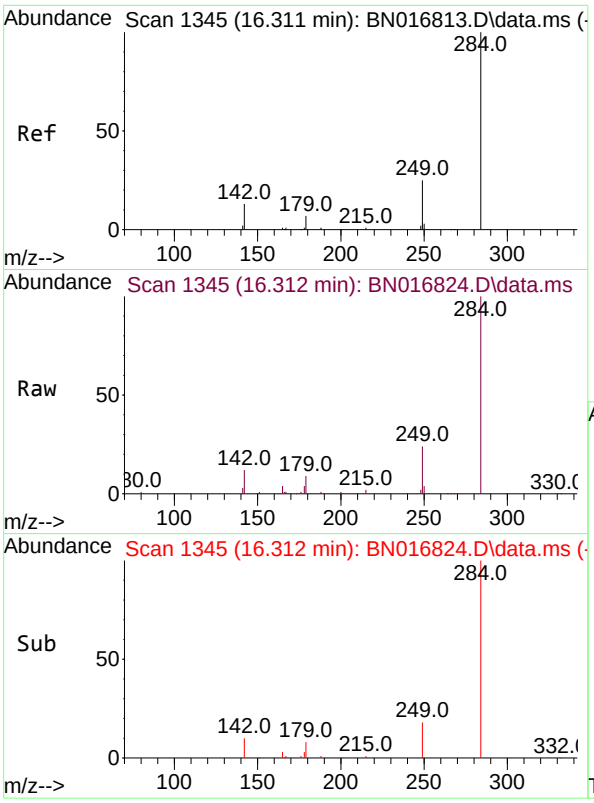


#21
4-Bromophenyl-phenylether
Concen: 0.399 ng
RT: 16.202 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:248 Resp: 23618

Ion	Ratio	Lower	Upper
248	100		
250	98.8	76.2	114.4
141	47.3	45.6	68.4

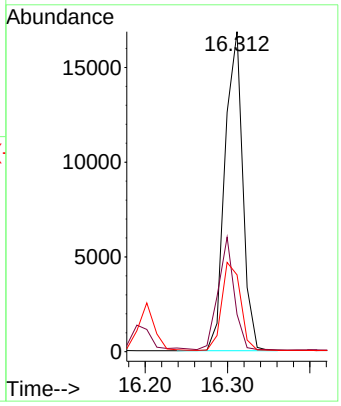




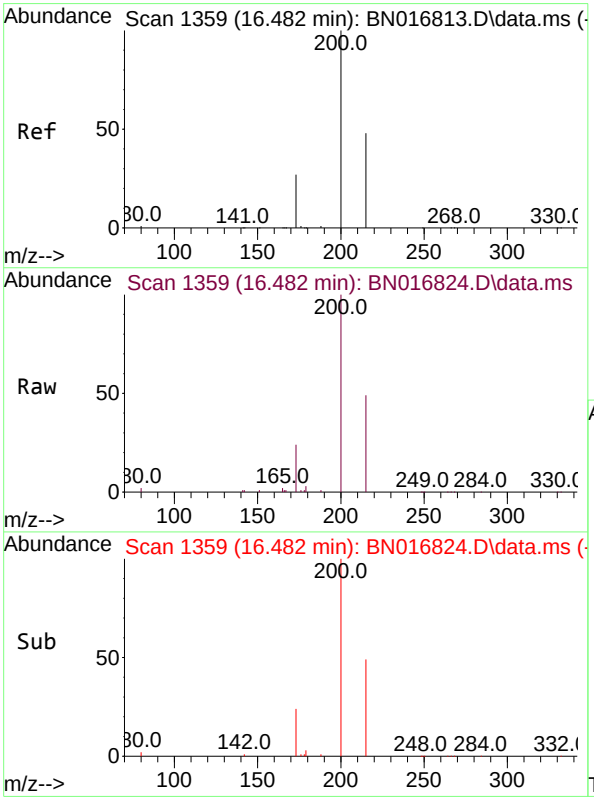
#22
Hexachlorobenzene
Concen: 0.372 ng
RT: 16.312 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:284 Resp: 25163

Ion	Ratio	Lower	Upper
284	100		
142	32.0	25.8	38.6
249	29.1	23.3	34.9



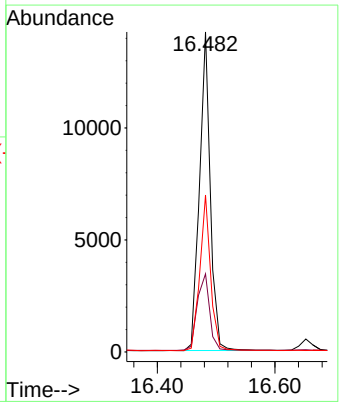
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD



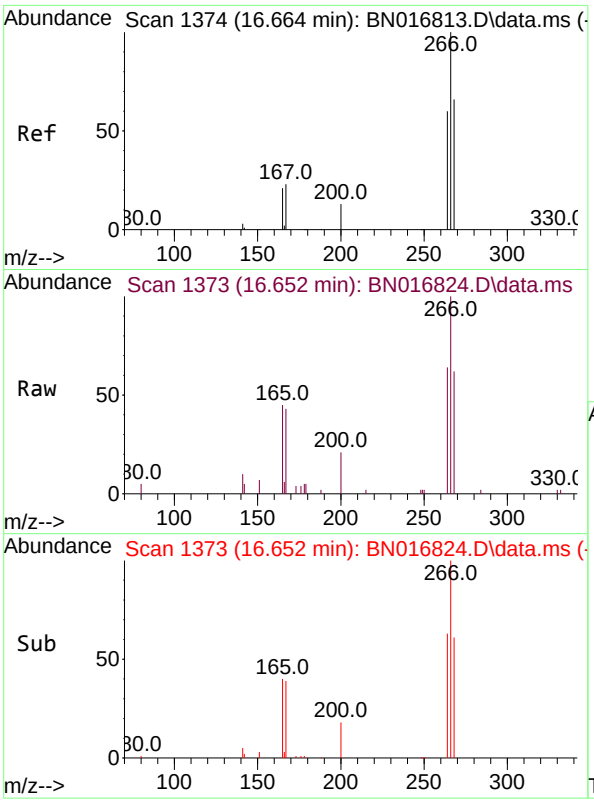
#23
Atrazine
Concen: 0.387 ng
RT: 16.482 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:200 Resp: 18201

Ion	Ratio	Lower	Upper
200	100		
173	24.4	20.1	30.1
215	49.1	38.8	58.2



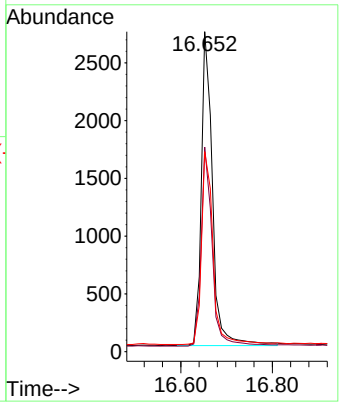
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

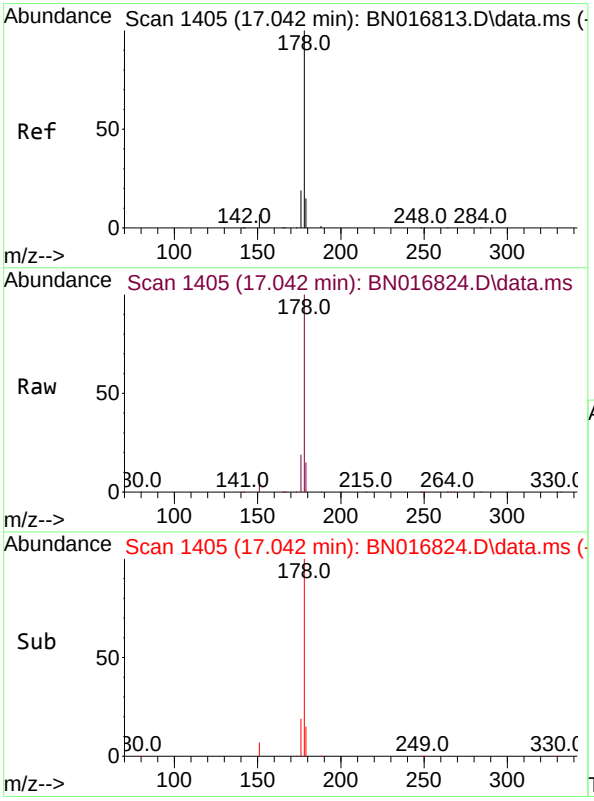


#24
Pentachlorophenol
Concen: 0.248 ng
RT: 16.652 min Scan# 1373
Delta R.T. -0.012 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:266 Resp: 4610

Ion	Ratio	Lower	Upper
266	100		
264	62.5	49.3	73.9
268	63.5	51.8	77.8

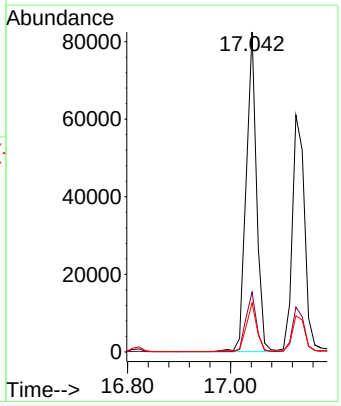


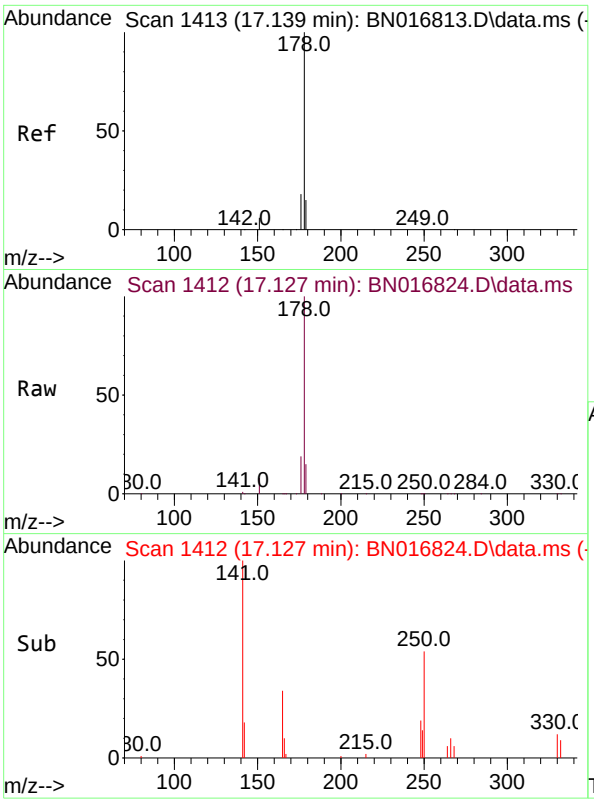


#25
Phenanthrene
Concen: 0.411 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:178 Resp: 116071

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.8	12.4	18.6

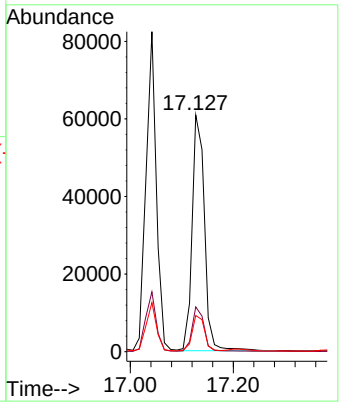




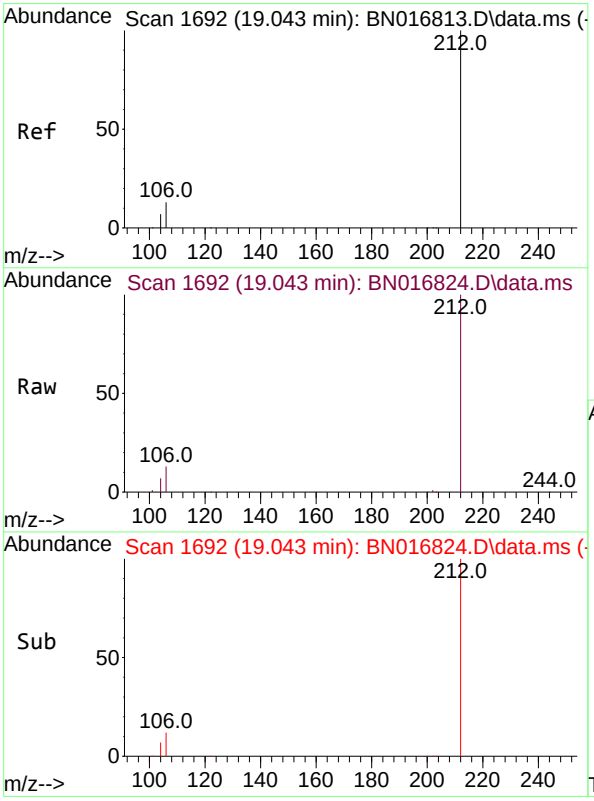
#26
Anthracene
Concen: 0.403 ng
RT: 17.127 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:178 Resp: 101032

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	14.9	12.2	18.4



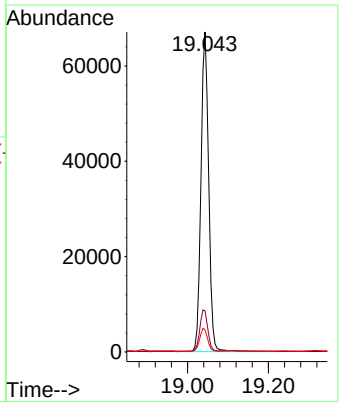
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD



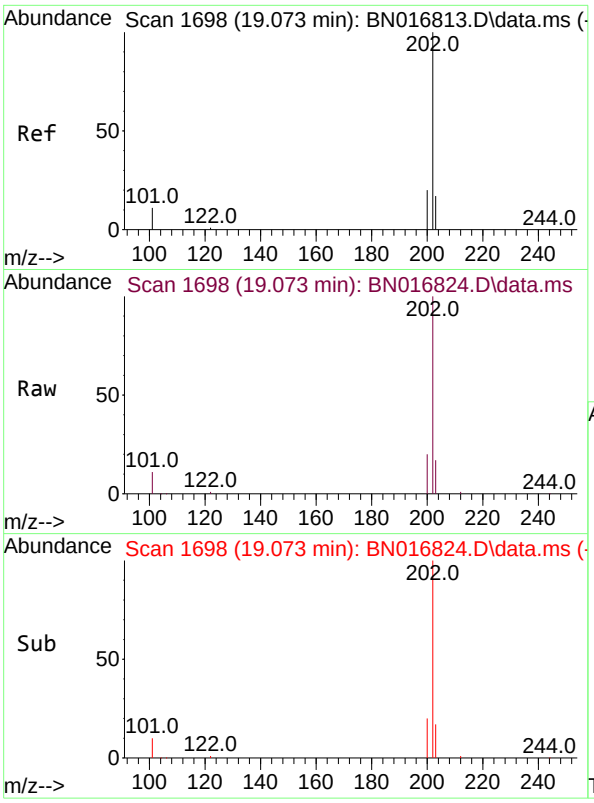
#27
Fluoranthene-d10
Concen: 0.335 ng
RT: 19.043 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:212 Resp: 88464

Ion	Ratio	Lower	Upper
212	100		
106	13.3	10.6	16.0
104	7.3	5.8	8.8



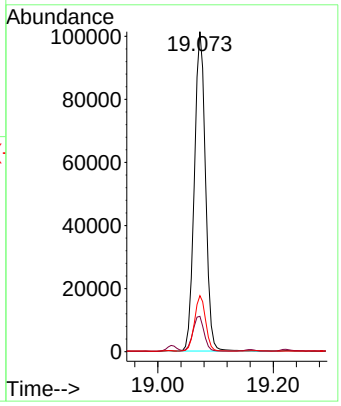
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

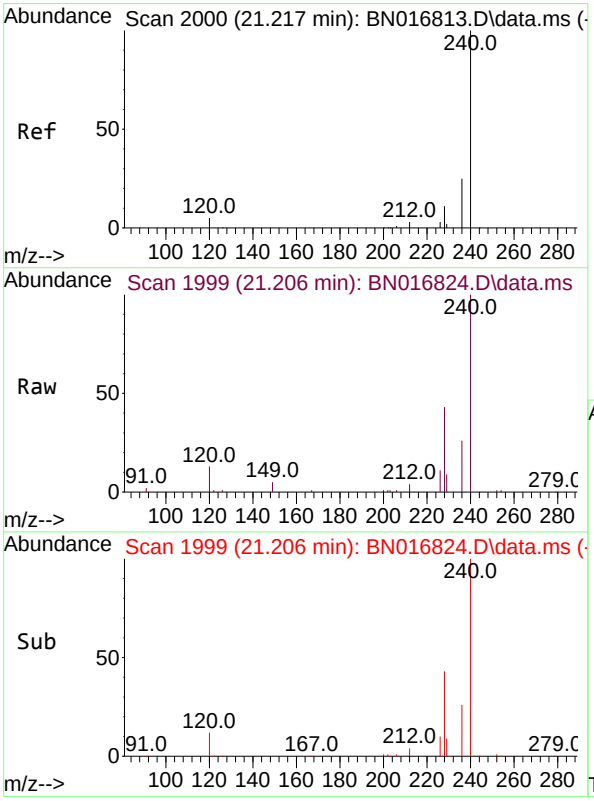


#28
Fluoranthene
Concen: 0.429 ng
RT: 19.073 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:202 Resp: 136003

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.9	13.3
203	17.1	13.8	20.8

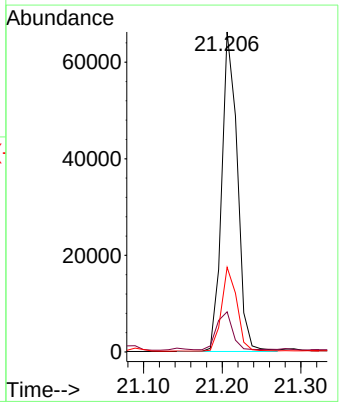


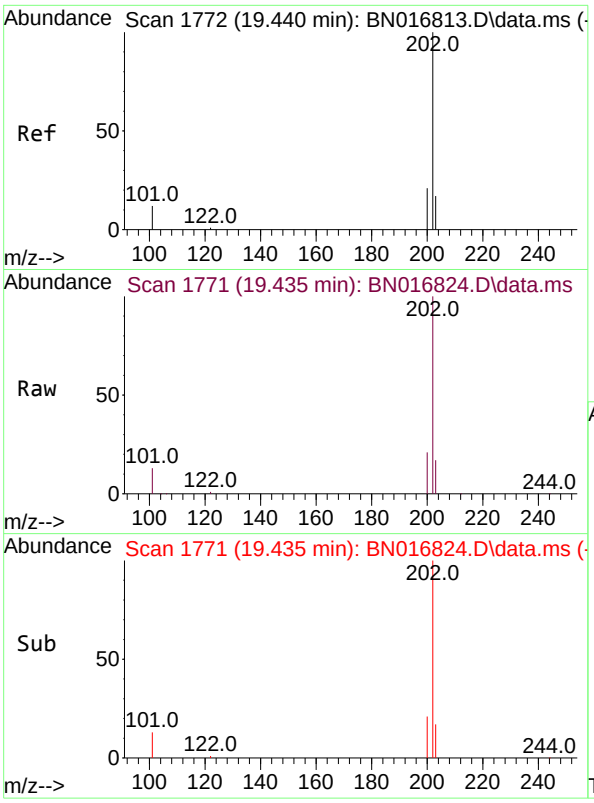


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.206 min Scan# 1999
Delta R.T. -0.011 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:240 Resp: 91134

Ion	Ratio	Lower	Upper
240	100		
120	12.6	6.6	10.0#
236	26.5	20.7	31.1

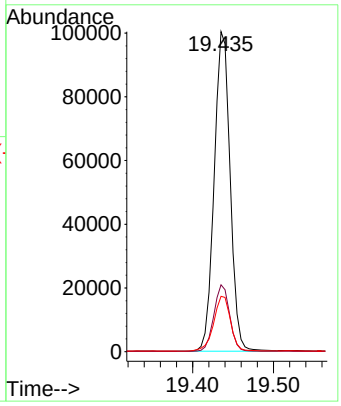




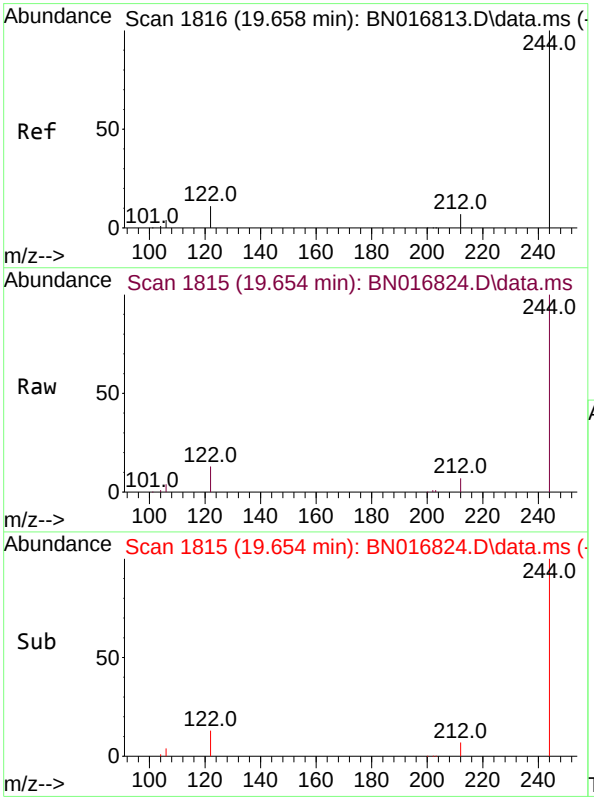
#30
Pyrene
Concen: 0.492 ng
RT: 19.435 min Scan# 1771
Delta R.T. -0.005 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:202 Resp: 137897

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	18.2	13.9	20.9



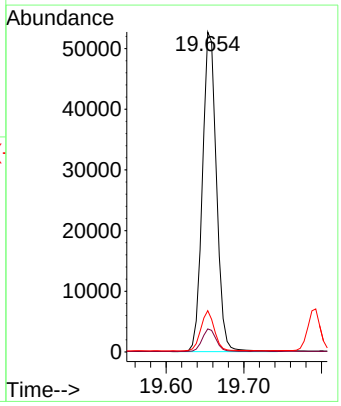
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD



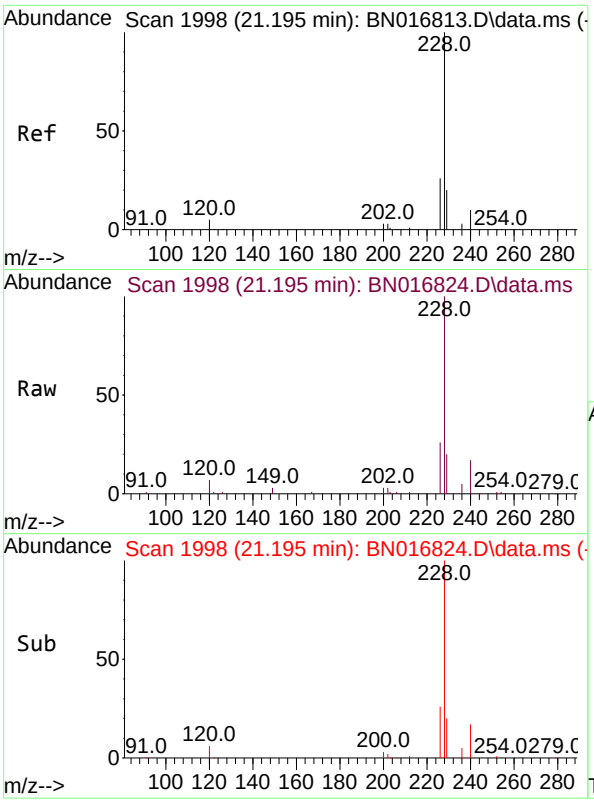
#31
Terphenyl-d14
Concen: 0.333 ng
RT: 19.654 min Scan# 1815
Delta R.T. -0.005 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:244 Resp: 66276

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	12.9	8.9	13.3



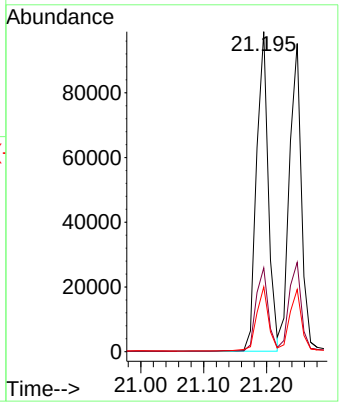
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

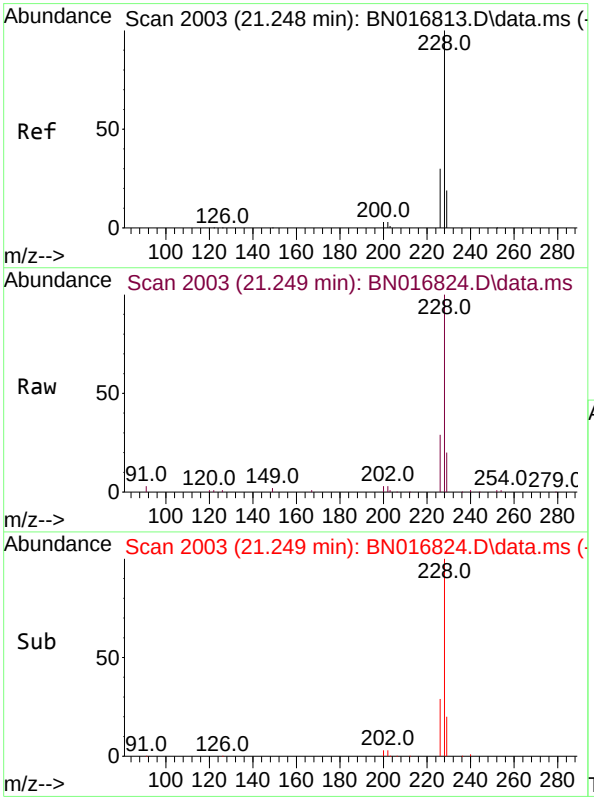


#32
Benzo(a)anthracene
Concen: 0.454 ng
RT: 21.195 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:228 Resp: 128019

Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.3	33.5
229	20.3	15.4	23.0

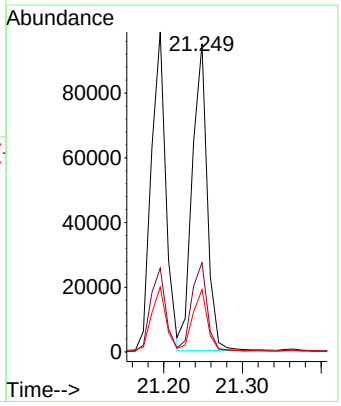




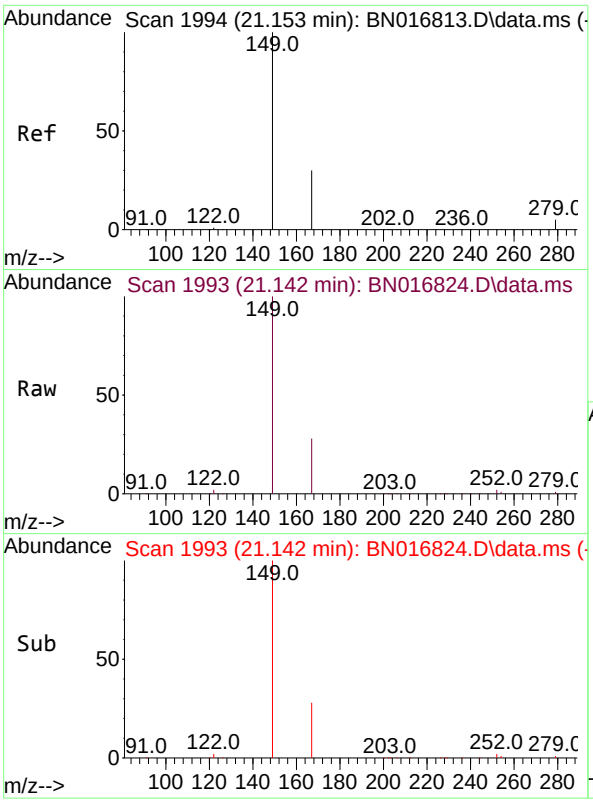
#33
Chrysene
Concen: 0.437 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:228 Resp: 125510

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.2	36.4
229	20.2	15.4	23.0



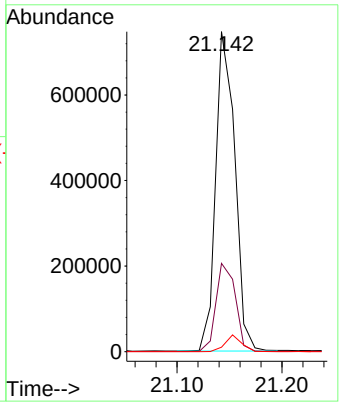
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

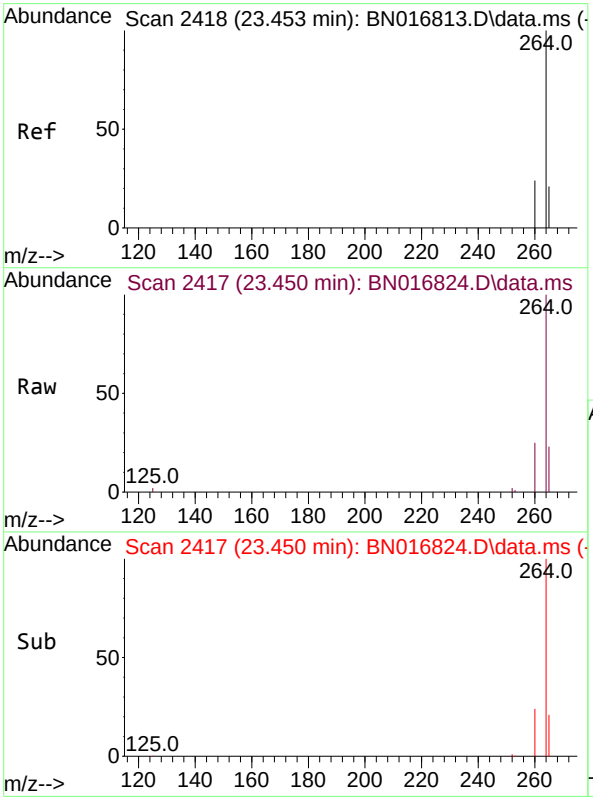


#34
Bis(2-ethylhexyl)phthalate
Concen: 6.636 ng
RT: 21.142 min Scan# 1993
Delta R.T. -0.011 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:149 Resp: 950511

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.2	33.4
279	4.4	3.4	5.2

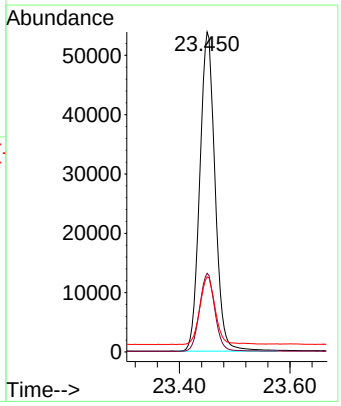




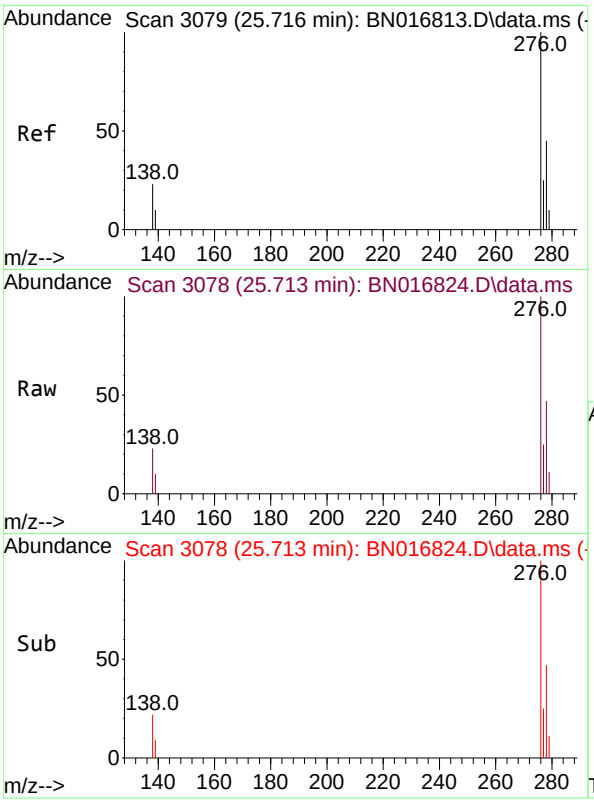
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.450 min Scan# 2417
Delta R.T. -0.003 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:264 Resp: 103237

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.6
265	23.5	20.3	30.5



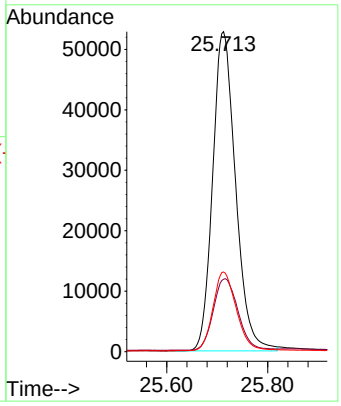
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

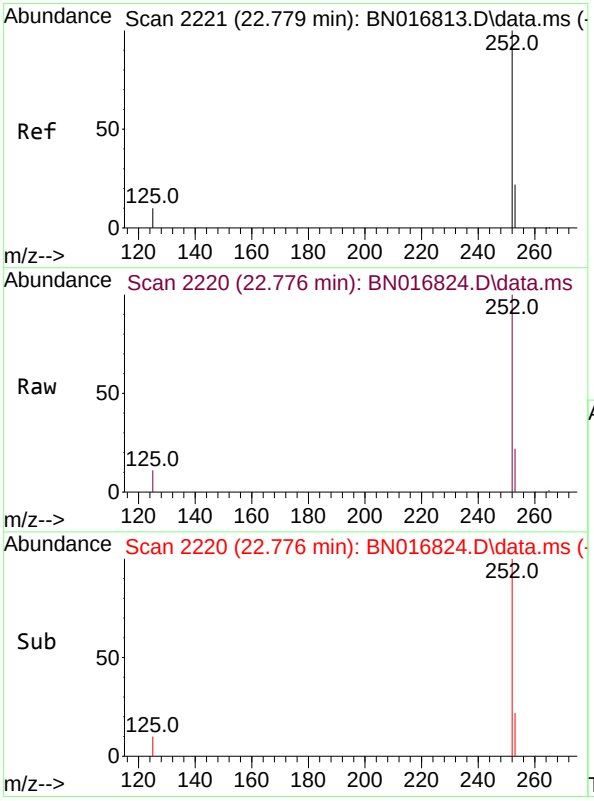


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.426 ng
RT: 25.713 min Scan# 3078
Delta R.T. -0.003 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:276 Resp: 166434

Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.2	28.8
277	25.0	20.0	30.0

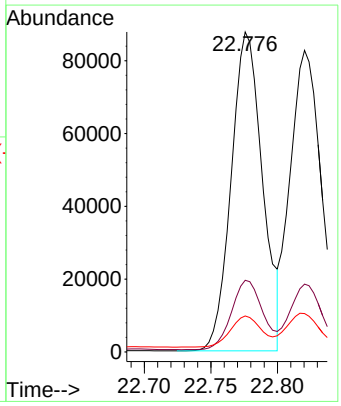




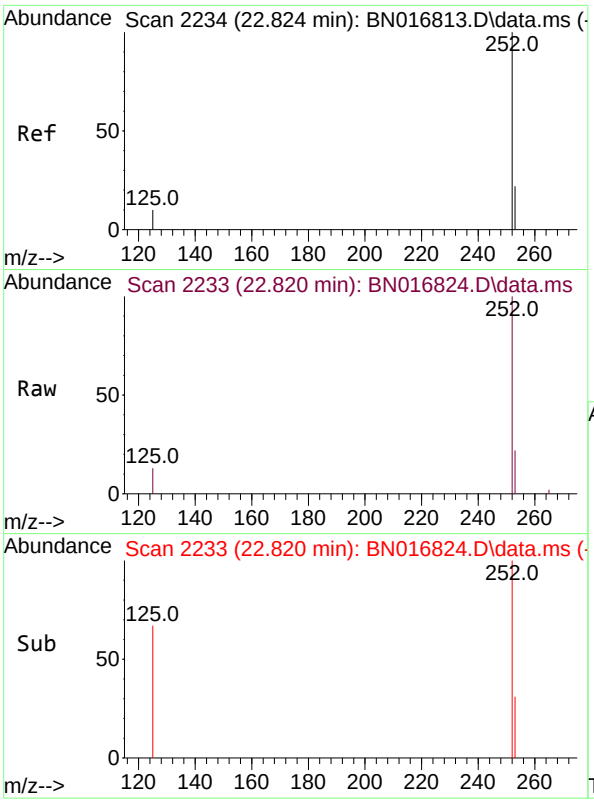
#37
Benzo(b)fluoranthene
Concen: 0.438 ng
RT: 22.776 min Scan# 2220
Delta R.T. -0.003 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:252 Resp: 143017

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.2	8.3	12.5



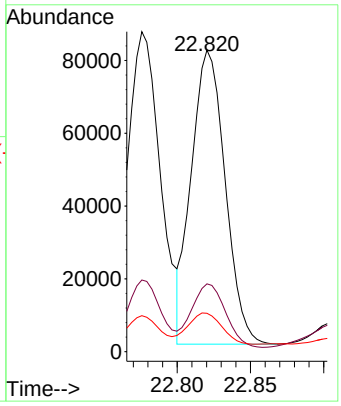
Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD

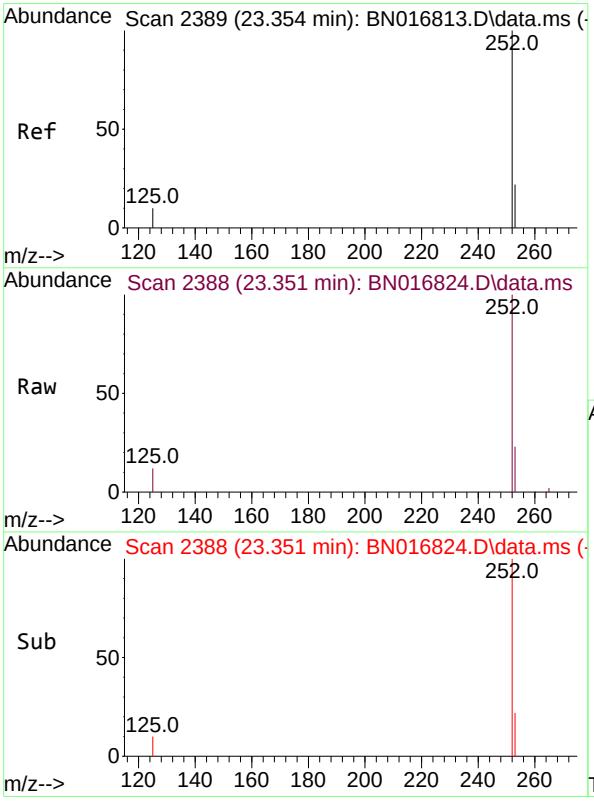


#38
Benzo(k)fluoranthene
Concen: 0.408 ng
RT: 22.820 min Scan# 2233
Delta R.T. -0.003 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:252 Resp: 129733

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	12.8	8.5	12.7#

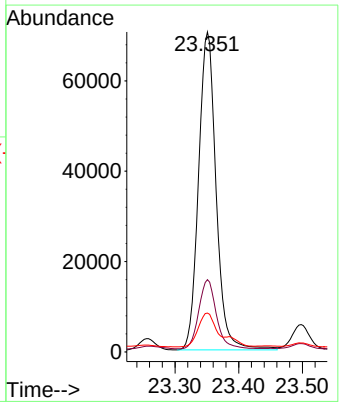


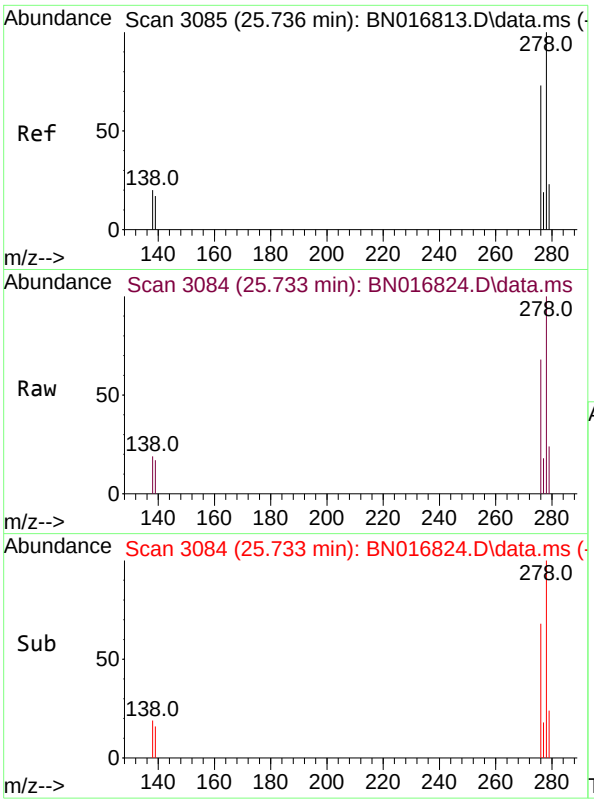


#39
Benzo(a)pyrene
Concen: 0.452 ng
RT: 23.351 min Scan# 2388
Delta R.T. -0.003 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:252 Resp: 134908

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.2	9.4	14.2

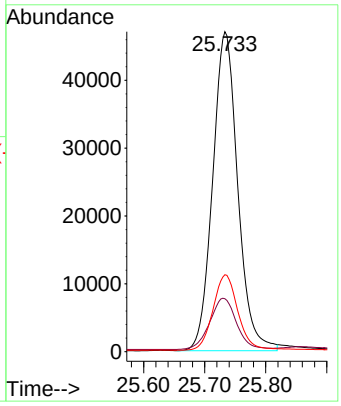




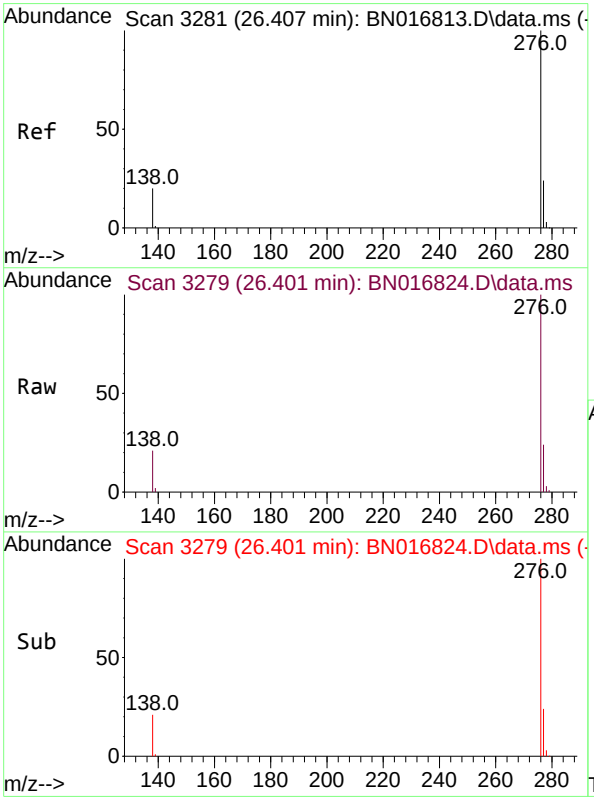
#40
Dibenzo(a,h)anthracene
Concen: 0.419 ng
RT: 25.733 min Scan# 3084
Delta R.T. -0.003 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:278 Resp: 134112

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.1	19.7
279	24.1	19.3	28.9



Instrument :
BNA_N
ClientSampleId :
S-820-N-SO-1-1.5-093021MSD



#41
Benzo(g,h,i)perylene
Concen: 0.427 ng
RT: 26.401 min Scan# 3279
Delta R.T. -0.007 min
Lab File: BN016824.D
Acq: 08 Oct 2021 01:31

Tgt Ion:276 Resp: 145164

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	21.4	17.0	25.6