Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032221\
Data File : BN014033.D
Acq On : 23 Mar 2021 04:28
Operator : CG/JU
Sample : M1735-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : RE135D2-20210317

Quant Time: Mar 23 05:28:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 19 14:40:09 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.692	152	1	0.40	ng	# 0.00
7) Naphthalene-d8	10.467	136	6	0.40	ng	#-0.01
13) Acenaphthene-d10	14.321	164	12	0.40	ng	#-0.01
19) Phenanthrene-d10	17.067	188	18	0.40	ng	# 0.00
29) Chrysene-d12	21.250	240	44	0.40	ng	# 0.00
36) Perylene-d12	23.434	264	2	0.40	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.284	112	3	1.30	ng	-0.02
5) Phenol-d6	6.847	99	7	2.39	ng	-0.02
8) Nitrobenzene-d5	8.857	82	18	4.53	ng	0.01
11) 2-Methylnaphthalene-d10	12.057	152	1	0.11	ng	-0.01
14) 2,4,6-Tribromophenol	15.818	330	2	0.51	ng	0.00
15) 2-Fluorobiphenyl	12.950	172	2	0.04	ng	0.00
27) Fluoranthene-d10	19.094	212	26	0.52	ng	0.00
31) Terphenyl-d14	19.695	244	25	0.26	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	6	4.55	ng	# 1
3) n-Nitrosodimethylamine	3.585	42	11	12.45	ng	# 1
6) bis(2-Chloroethyl)ether	7.112	93	7	2.72	ng	# 1
9) Naphthalene	10.530	128	5	0.34	ng	# 1
10) Hexachlorobutadiene	10.784	225	8	2.87	ng	# 18
12) 2-Methylnaphthalene	12.120	142	3	0.30	ng	# 31
16) Acenaphthylene	14.042	152	3	0.07	ng	# 1
17) Acenaphthene	14.346	154	5	0.15	ng	# 73
18) Fluorene	15.386	166	10	0.23	ng	# 1
20) 4,6-Dinitro-2-methylph...	15.488	198	1	0.50	ng	# 1
21) 4-Bromophenyl-phenylether	16.228	248	6	0.65	ng	# 67
22) Hexachlorobenzene	16.337	284	3	0.28	ng	# 42
23) Atrazine	16.556	200	1	0.16	ng	# 2
24) Pentachlorophenol	16.727	266	17	6.75	ng	# 47
25) Phenanthrene	17.104	178	58	1.18	ng	# 77
26) Anthracene	17.201	178	20	0.49	ng	# 61
28) Fluoranthene	19.129	202	19	0.35	ng	# 69
30) Pyrene	19.486	202	29	0.21	ng	# 69
32) Benzo(a)anthracene	21.229	228	25	0.20	ng	# 1
33) Chrysene	21.282	228	22	0.16	ng	# 1
35) Indeno(1,2,3-cd)pyrene	25.669	276	7	0.05	ng	# 71
37) Benzo(b)fluoranthene	22.781	252	16	2.20	ng	# 1
38) Benzo(k)fluoranthene	22.832	252	16	2.24	ng	# 1
39) Benzo(a)pyrene	23.335	252	10	1.61	ng	# 1
40) Dibenzo(a,h)anthracene	25.639	278	6	0.90	ng	# 1
41) Benzo(g,h,i)perylene	26.303	276	10	1.44	ng	# 1

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

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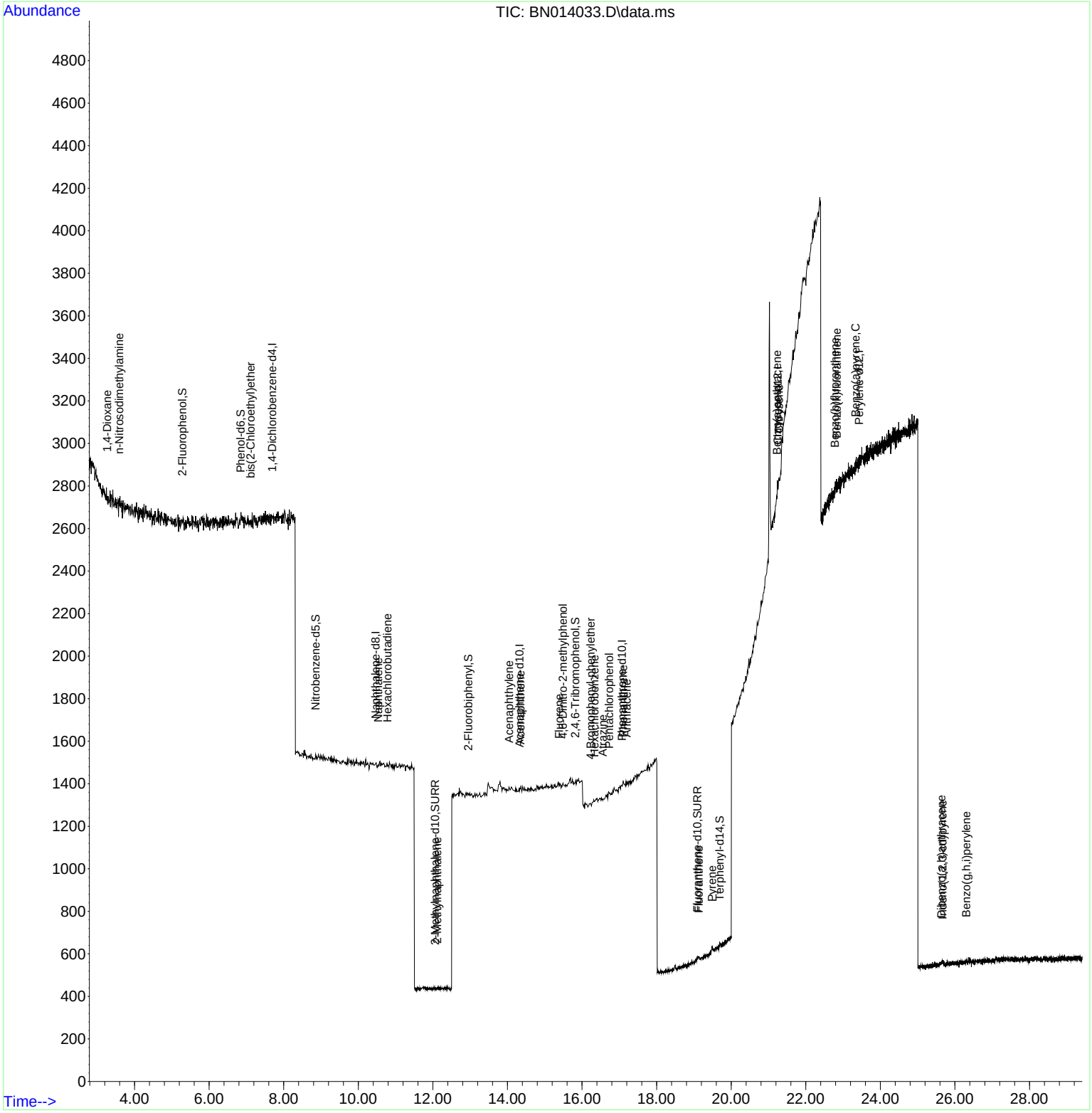
Instrument :
BNA_N
ClientSampleId :
RE135D2-20210317

Quant Time: Mar 23 05:28:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 19 14:40:09 2021
Response via : Initial Calibration



Instrument :
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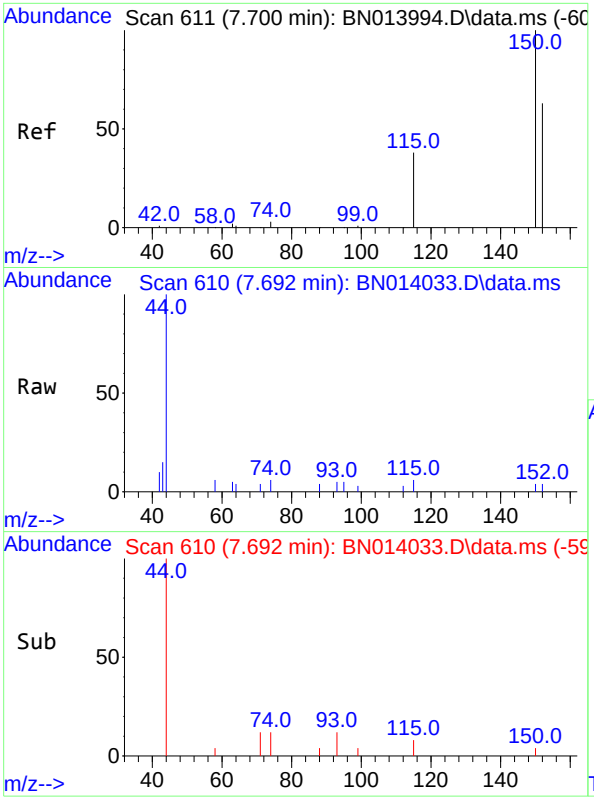
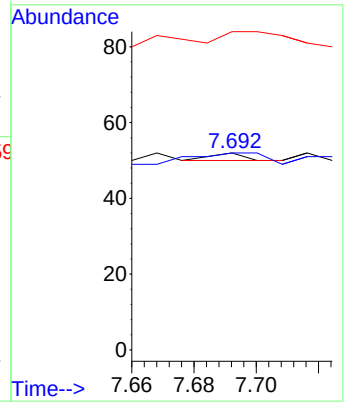
ClientSampleId :
RE135D2-20210317

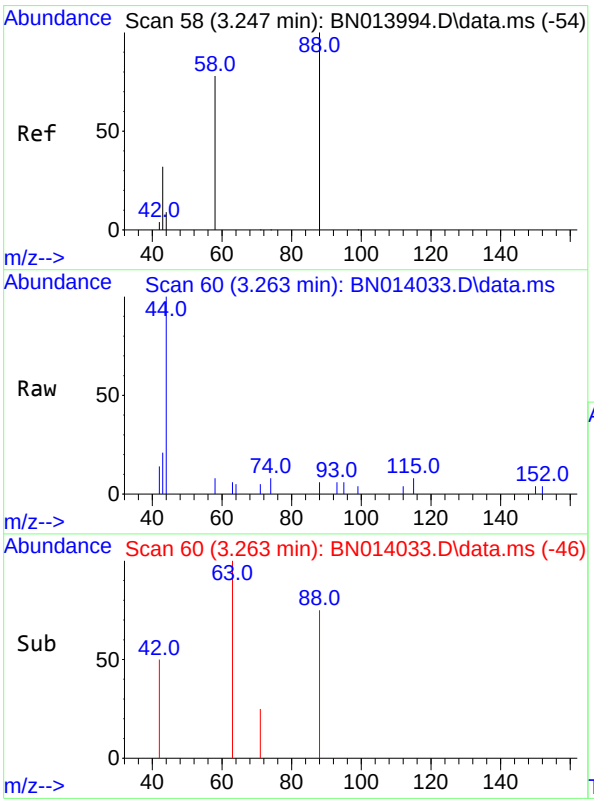


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.692 min Scan# 610
Delta R.T. -0.008 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:152 Resp: 1

Ion	Ratio	Lower	Upper
152	100		
150	100.0	121.8	182.8#
115	161.5	46.6	69.8#

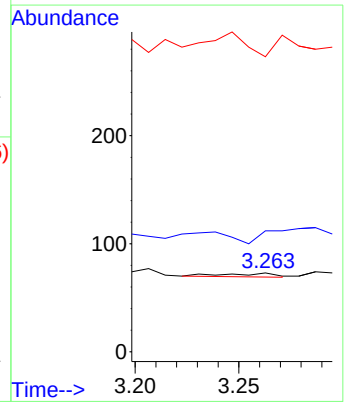




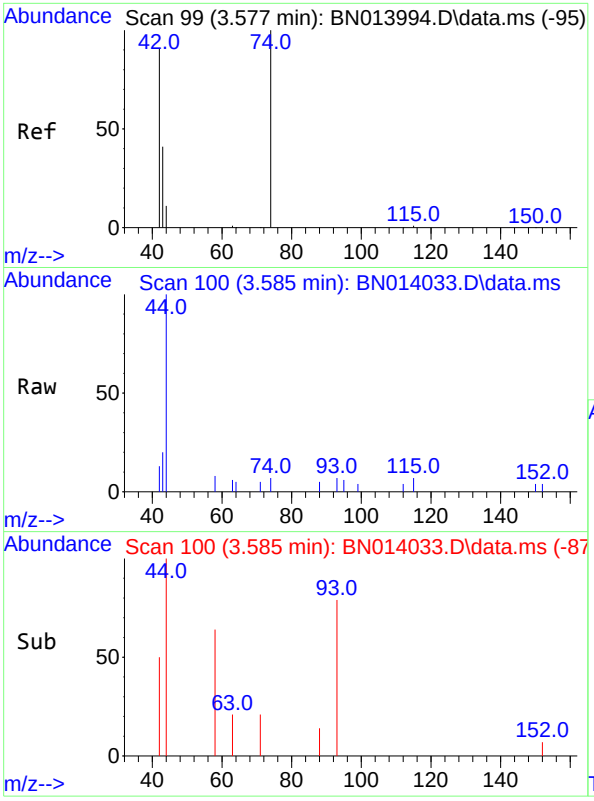
#2
1,4-Dioxane
Concen: 4.55 ng
RT: 3.263 min Scan# 60
Delta R.T. 0.016 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion: 88 Resp: 6

Ion	Ratio	Lower	Upper
88	100		
58	0.0	64.6	96.8#
43	400.0	26.6	40.0#



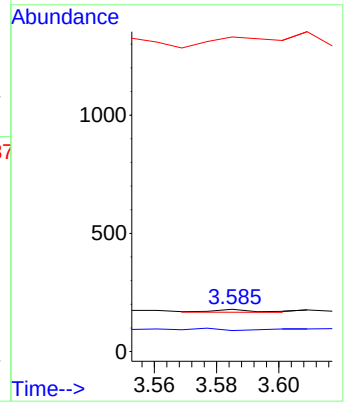
Instrument :
BNA_N
ClientSampleId :
RE135D2-20210317

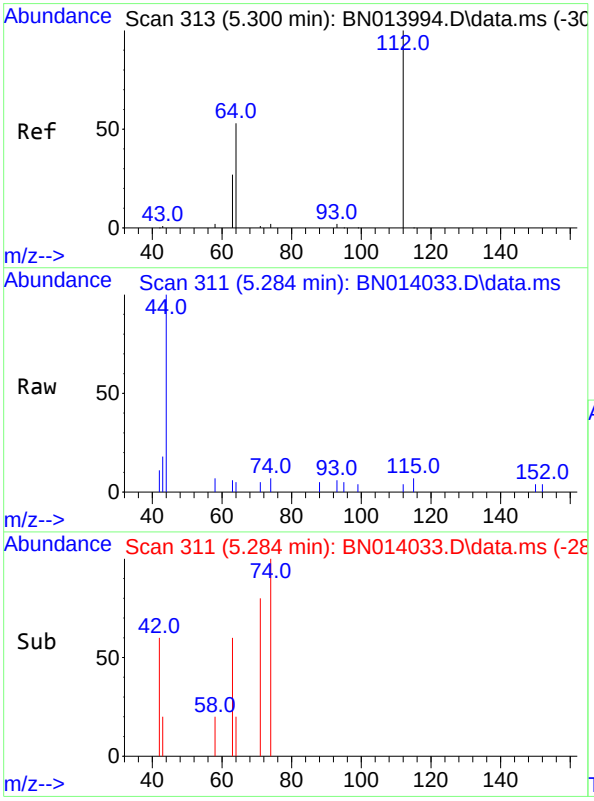


#3
n-Nitrosodimethylamine
Concen: 12.45 ng
RT: 3.585 min Scan# 100
Delta R.T. 0.008 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion: 42 Resp: 11

Ion	Ratio	Lower	Upper
42	100		
74	0.0	95.0	142.6#
44	818.2	5.8	8.8#

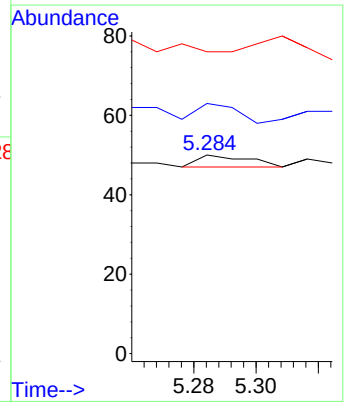




#4
2-Fluorophenol
Concen: 1.30 ng
RT: 5.284 min Scan# 311
Delta R.T. -0.016 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:112 Resp: 3

Ion	Ratio	Lower	Upper
112	100		
64	133.3	44.3	66.5#
63	0.0	23.0	34.6#



Instrument :
BNA_N
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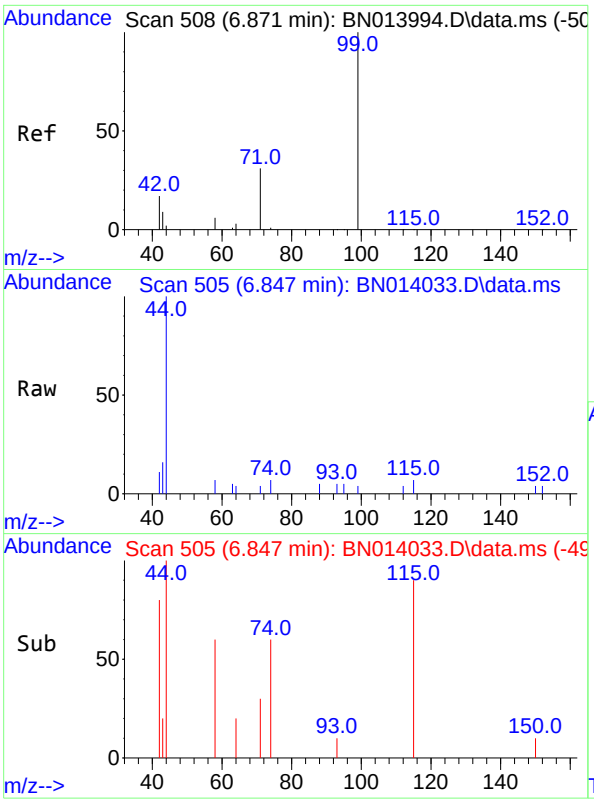
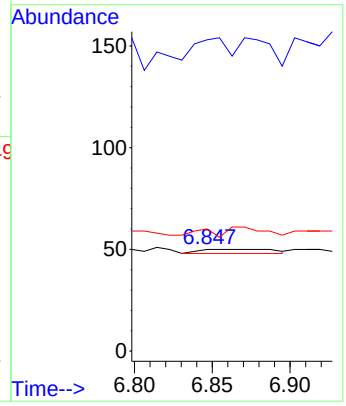
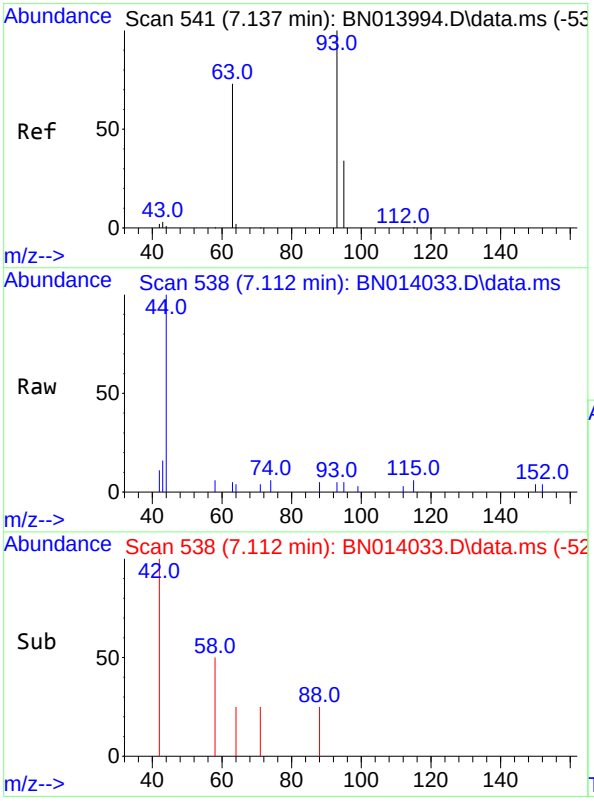


#5
Phenol-d6
Concen: 2.39 ng
RT: 6.847 min Scan# 505
Delta R.T. -0.024 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion: 99 Resp: 7

Ion	Ratio	Lower	Upper
99	100		
42	285.7	15.2	22.8#
71	42.9	26.1	39.1#

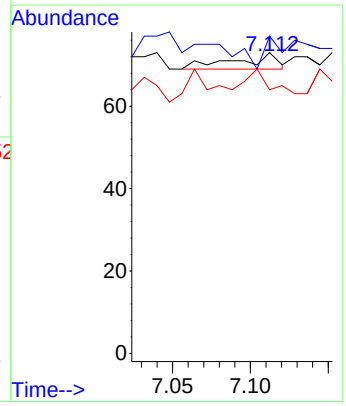


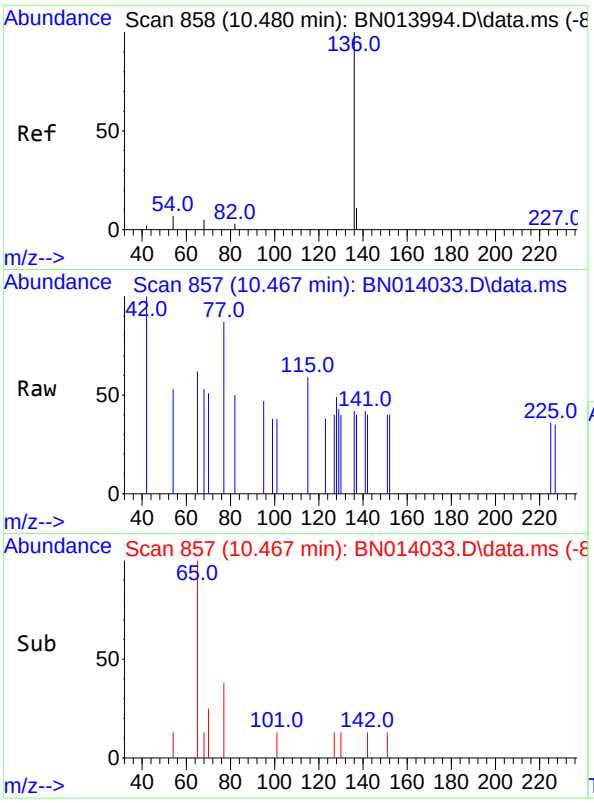


#6
bis(2-Chloroethyl)ether
Concen: 2.72 ng
RT: 7.112 min Scan# 538
Delta R.T. -0.024 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion: 93 Resp: 7

Ion	Ratio	Lower	Upper
93	100		
63	200.0	60.8	91.2#
95	100.0	26.0	39.0#

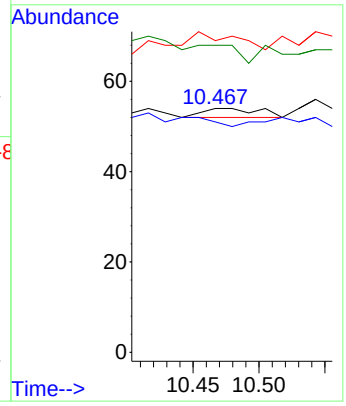


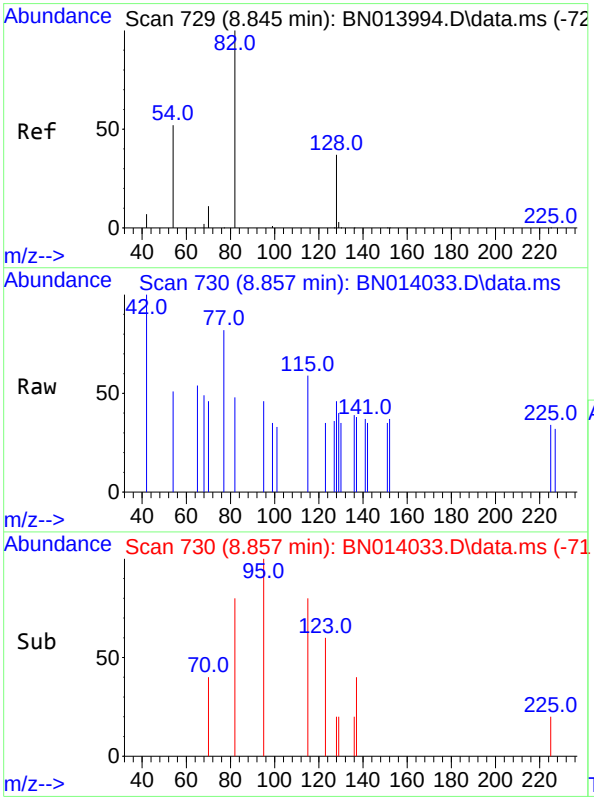


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.467 min Scan# 857
Delta R.T. -0.013 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:136 Resp: 6

Ion	Ratio	Lower	Upper
136	100		
137	94.4	9.0	13.6#
54	127.8	6.4	9.6#
68	125.9	4.5	6.7#

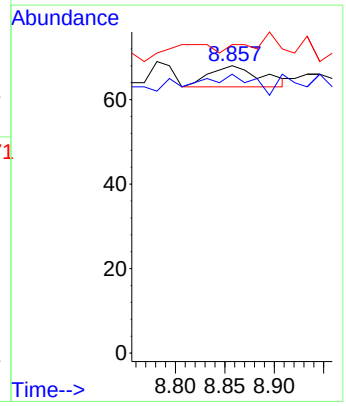




#8
Nitrobenzene-d5
Concen: 4.53 ng
RT: 8.857 min Scan# 730
Delta R.T. 0.013 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion: 82 Resp: 18

Ion	Ratio	Lower	Upper
82	100		
128	97.1	39.2	58.8#
54	107.4	40.1	60.1#



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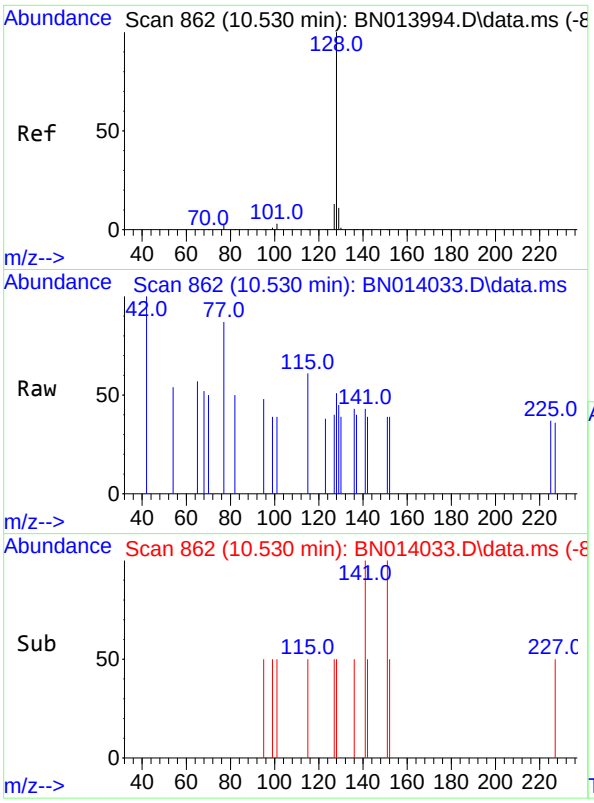
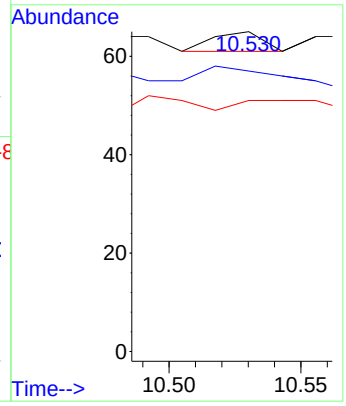
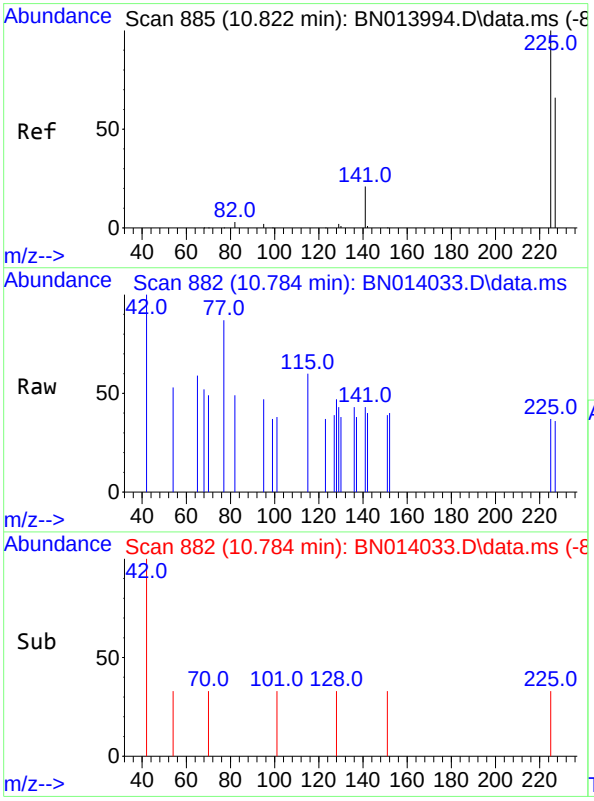


#9
Naphthalene
Concen: 0.34 ng
RT: 10.530 min Scan# 862
Delta R.T. -0.000 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:128 Resp: 5

Ion	Ratio	Lower	Upper
128	100		
129	87.7	9.0	13.4#
127	78.5	10.4	15.6#

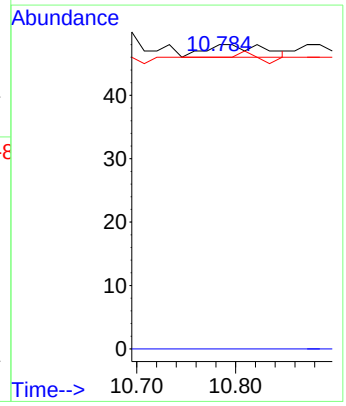




#10
Hexachlorobutadiene
Concen: 2.87 ng
RT: 10.784 min Scan# 882
Delta R.T. -0.038 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:225 Resp: 8

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	0.0	51.2	76.8#



Instrument :
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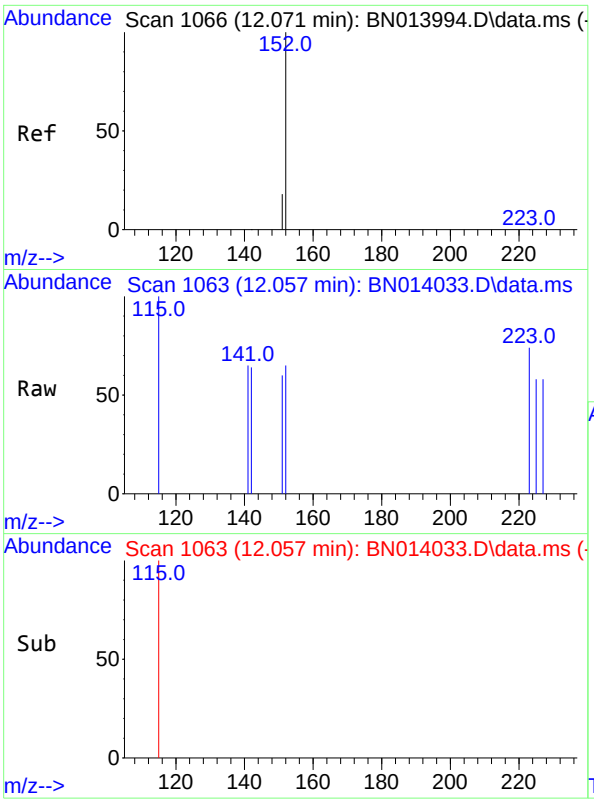
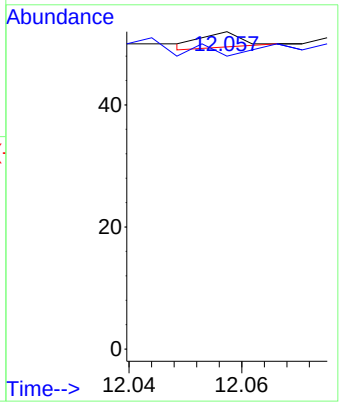
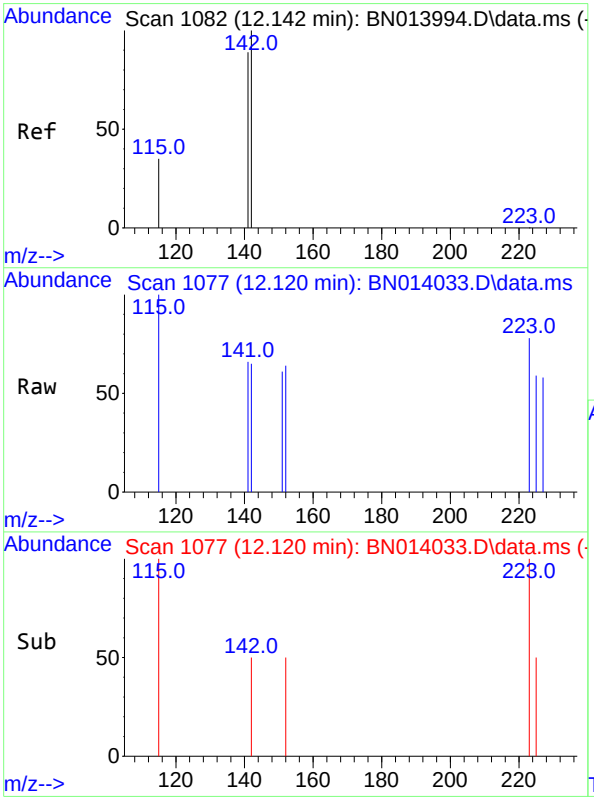


#11
2-Methylnaphthalene-d10
Concen: 0.11 ng
RT: 12.057 min Scan# 1063
Delta R.T. -0.013 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:152 Resp: 1

Ion	Ratio	Lower	Upper
152	100		
151	200.0	16.2	24.2#

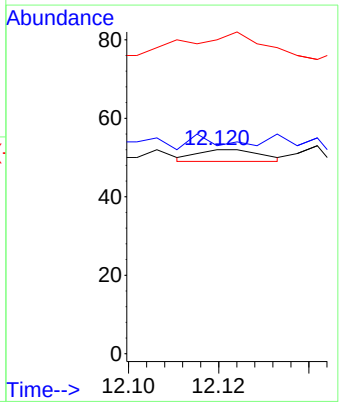




#12
2-Methylnaphthalene
Concen: 0.30 ng
RT: 12.120 min Scan# 1077
Delta R.T. -0.022 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:142 Resp: 3

Ion	Ratio	Lower	Upper
142	100		
141	101.9	70.5	105.7
115	153.8	27.4	41.0#



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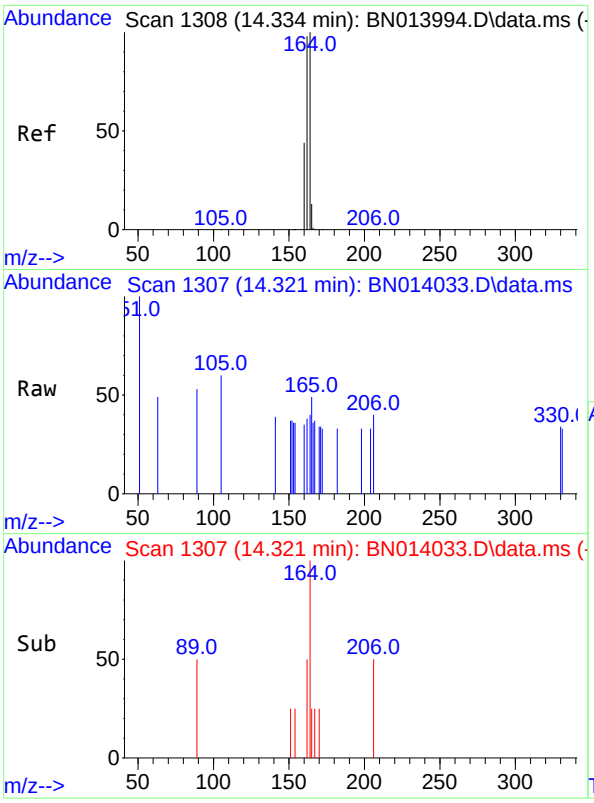
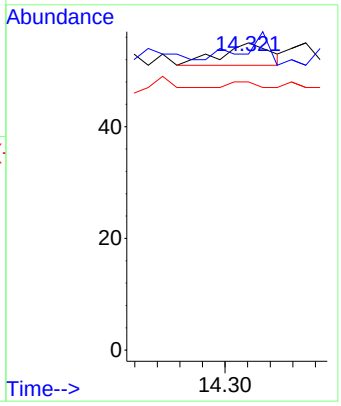
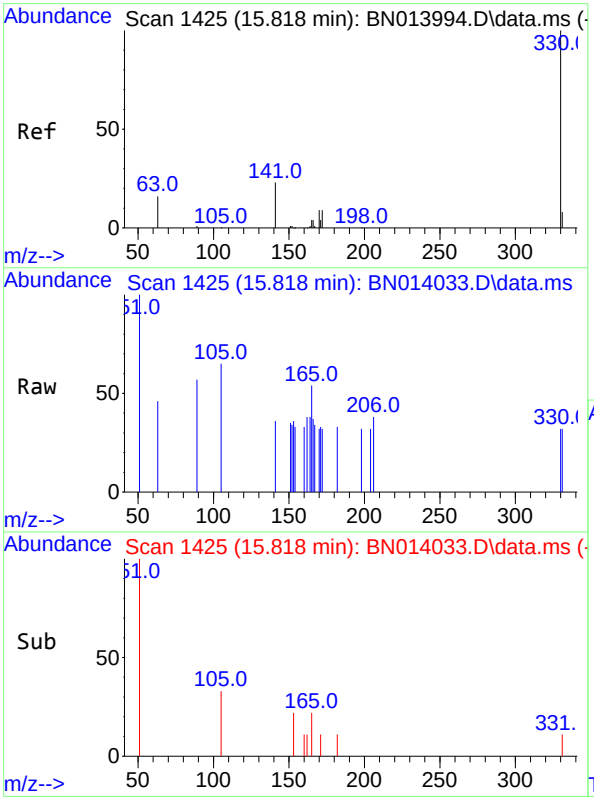


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.321 min Scan# 1307
Delta R.T. -0.013 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:164 Resp: 12

Ion	Ratio	Lower	Upper
164	100		
162	96.4	79.6	119.4
160	87.3	36.0	54.0#

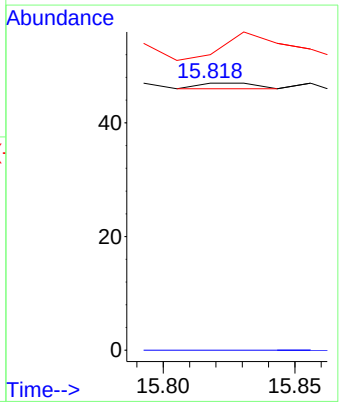


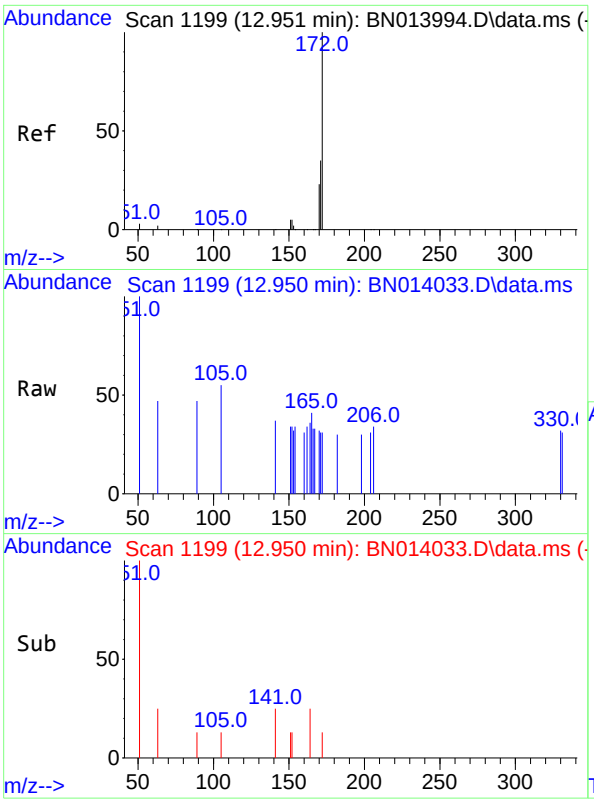


#14
2,4,6-Tribromophenol
Concen: 0.51 ng
RT: 15.818 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:330 Resp: 2

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	400.0	26.8	40.2#

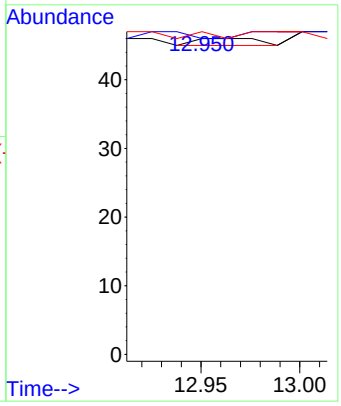




#15
2-Fluorobiphenyl
Concen: 0.04 ng
RT: 12.950 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:172 Resp: 2

Ion	Ratio	Lower	Upper
172	100		
171	100.0	28.6	42.8#
170	102.2	18.9	28.3#



Instrument :
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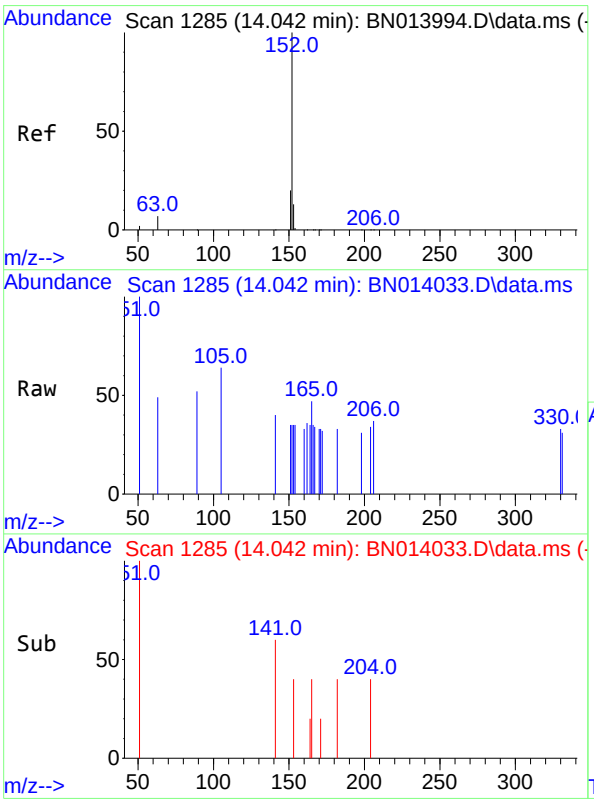
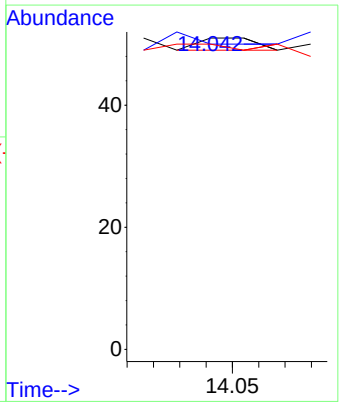


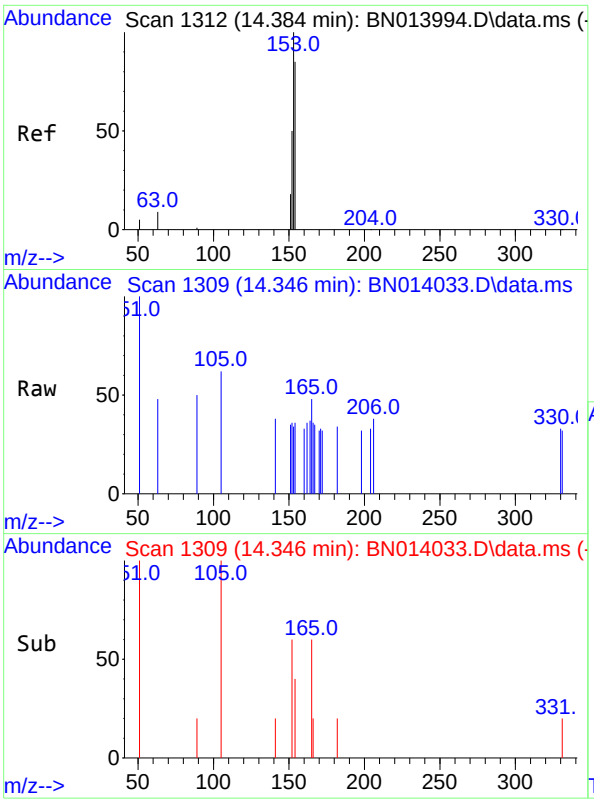
#16
Acenaphthylene
Concen: 0.07 ng
RT: 14.042 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:152 Resp: 3

Ion	Ratio	Lower	Upper
152	100		
151	133.3	15.7	23.5#
153	200.0	10.5	15.7#



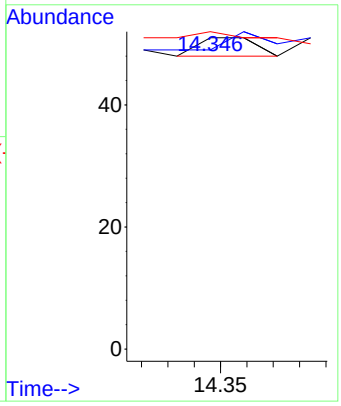
Instrument :
BNA_N
ClientSampleId :
RE135D2-20210317

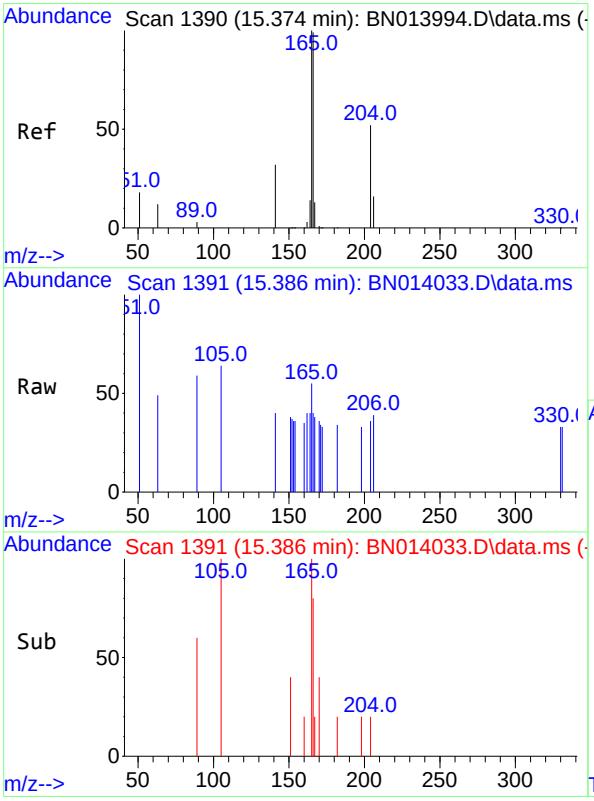


#17
Acenaphthene
Concen: 0.15 ng
RT: 14.346 min Scan# 1309
Delta R.T. -0.038 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:154 Resp: 5

Ion	Ratio	Lower	Upper
154	100		
153	120.0	88.4	132.6
152	100.0	43.0	64.4#

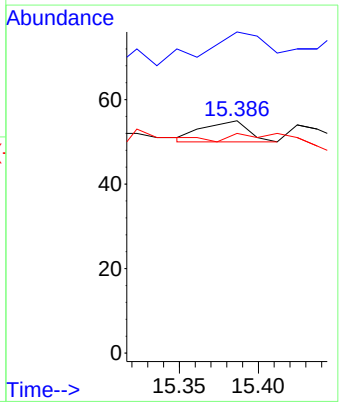




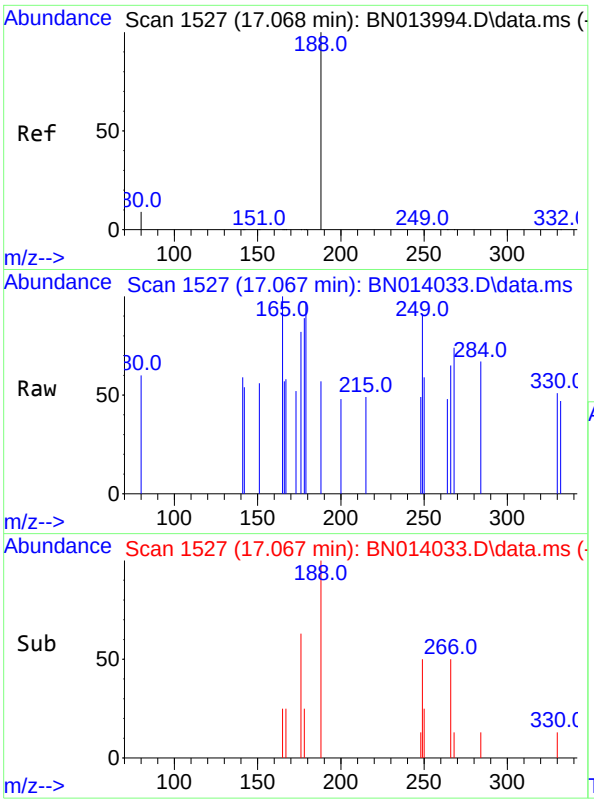
#18
Fluorene
Concen: 0.23 ng
RT: 15.386 min Scan# 1391
Delta R.T. 0.013 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:166 Resp: 10

Ion	Ratio	Lower	Upper
166	100		
165	220.0	77.8	116.8#
167	80.0	10.6	16.0#



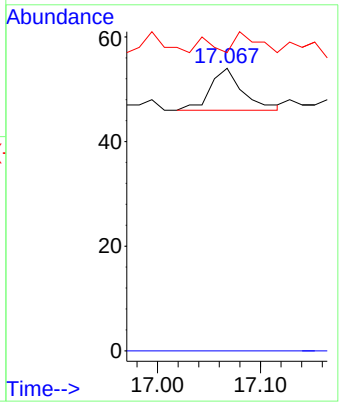
Instrument :
BNA_N
ClientSampleId :
RE135D2-20210317

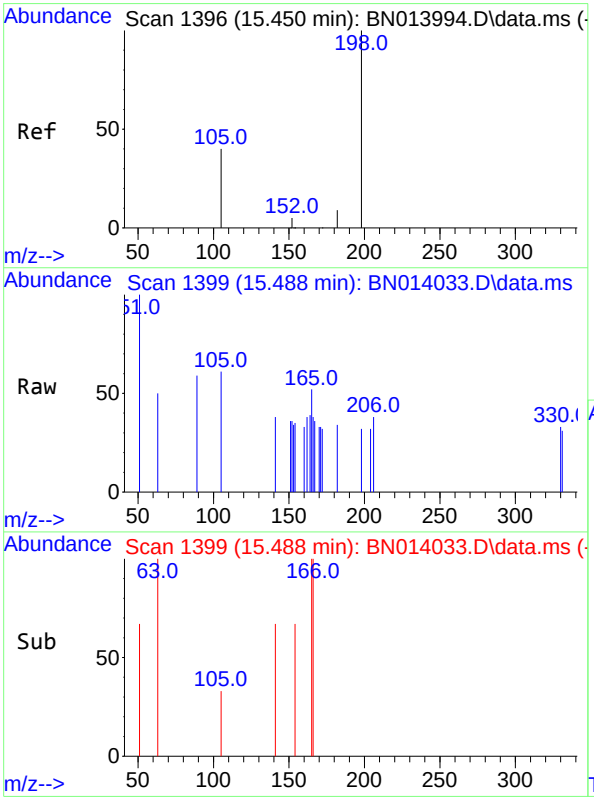


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.067 min Scan# 1527
Delta R.T. -0.000 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:188 Resp: 18

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	105.6	9.0	13.6#

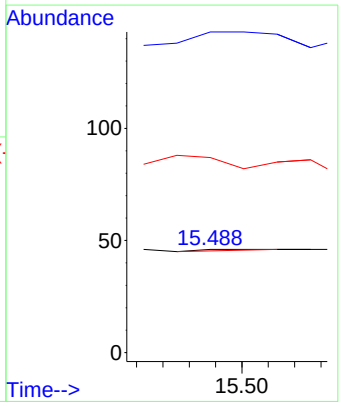




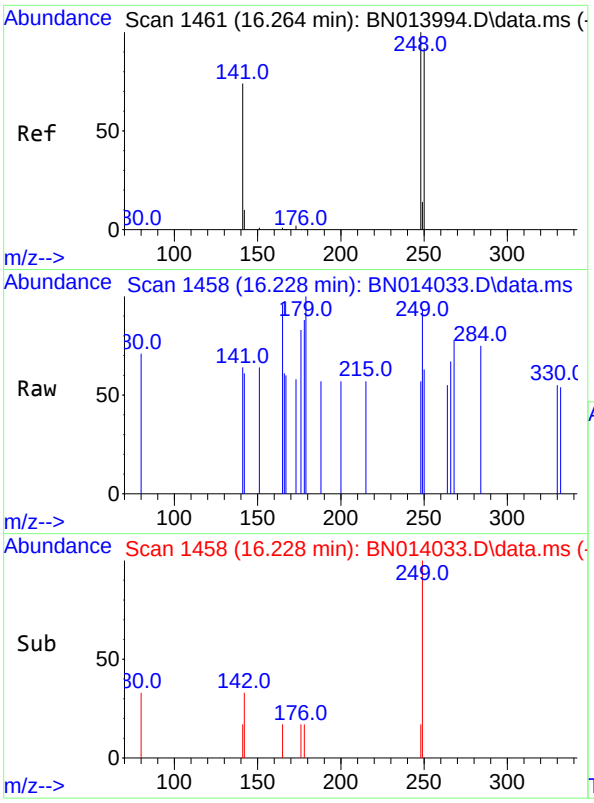
#20
4,6-Dinitro-2-methylphenol
Concen: 0.50 ng
RT: 15.488 min Scan# 1399
Delta R.T. 0.038 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:198 Resp: 1

Ion	Ratio	Lower	Upper
198	100		
51	310.9	61.7	92.5#
105	189.1	33.0	49.6#



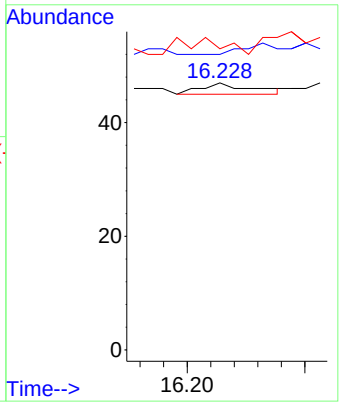
Instrument :
BNA_N
ClientSampleId :
RE135D2-20210317

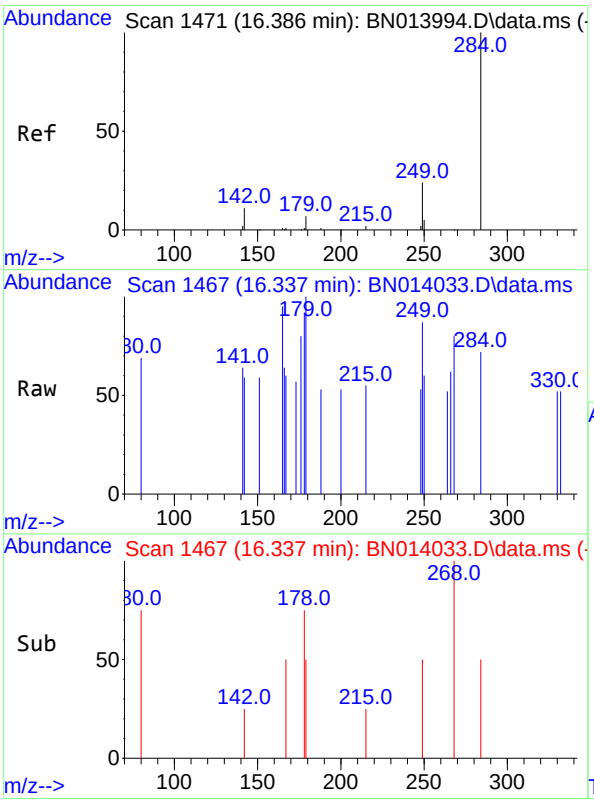


#21
4-Bromophenyl-phenylether
Concen: 0.65 ng
RT: 16.228 min Scan# 1458
Delta R.T. -0.037 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:248 Resp: 6

Ion	Ratio	Lower	Upper
248	100		
250	110.6	75.5	113.3
141	112.8	53.8	80.8#

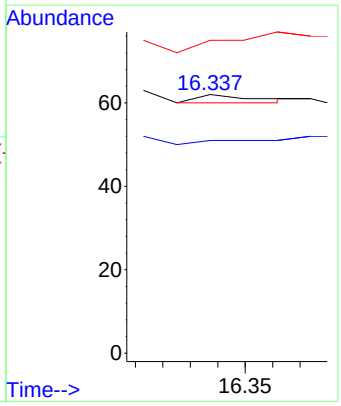




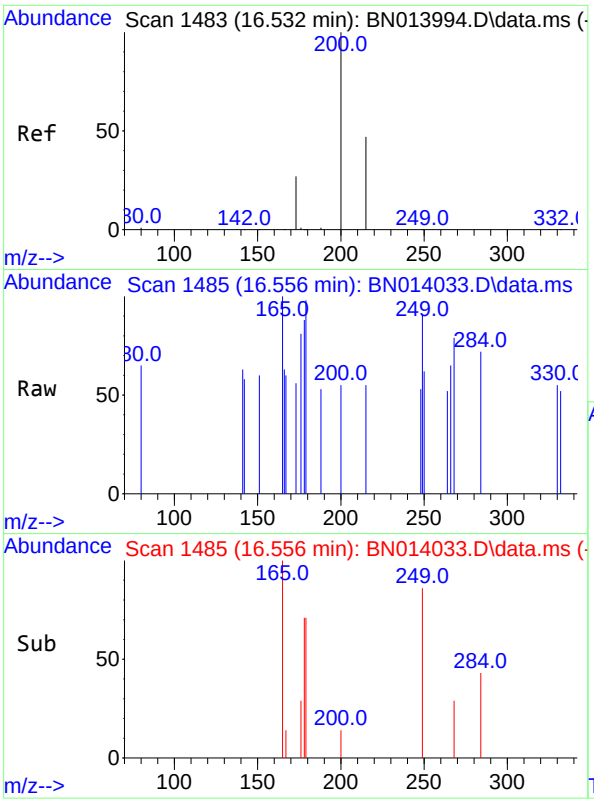
#22
Hexachlorobenzene
Concen: 0.28 ng
RT: 16.337 min Scan# 1467
Delta R.T. -0.049 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:284 Resp: 3

Ion	Ratio	Lower	Upper
284	100		
142	0.0	27.9	41.9#
249	0.0	24.2	36.2#



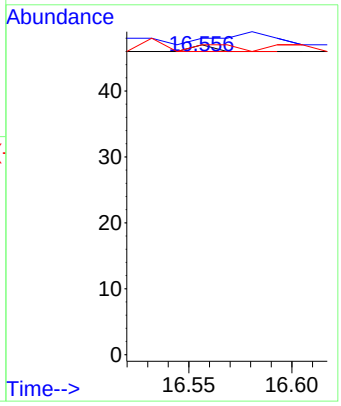
Instrument :
BNA_N
ClientSampleId :
RE135D2-20210317

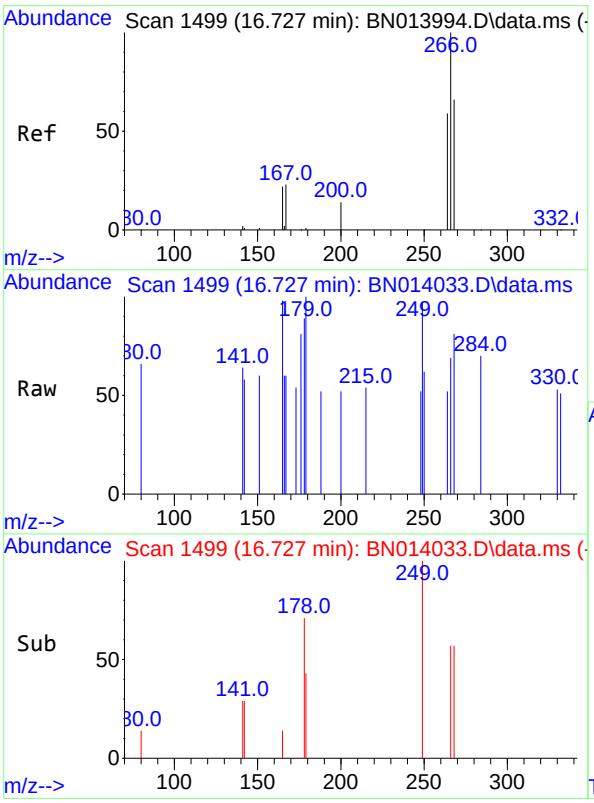


#23
Atrazine
Concen: 0.16 ng
RT: 16.556 min Scan# 1485
Delta R.T. 0.024 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:200 Resp: 1

Ion	Ratio	Lower	Upper
200	100		
173	102.1	18.6	28.0#
215	100.0	41.0	61.6#

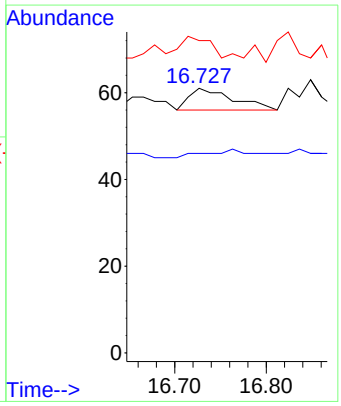




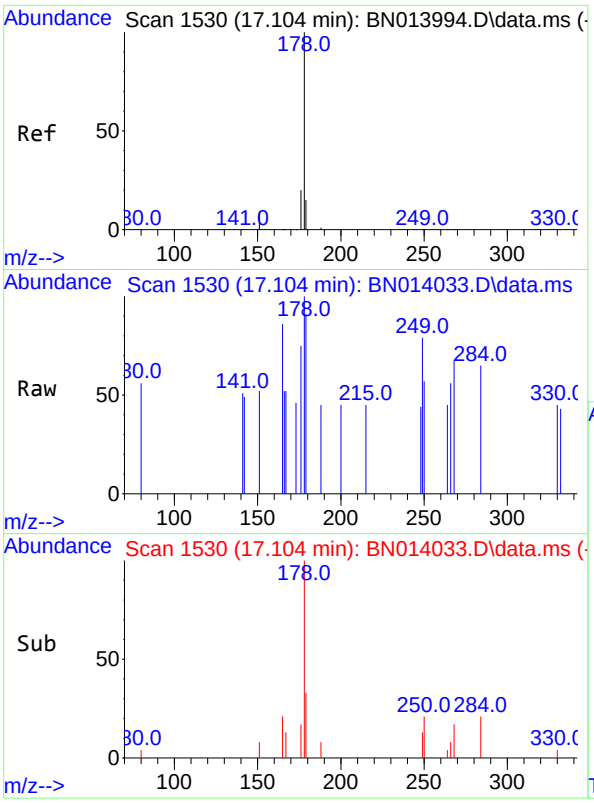
#24
Pentachlorophenol
Concen: 6.75 ng
RT: 16.727 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:266 Resp: 17

Ion	Ratio	Lower	Upper
266	100		
264	0.0	51.6	77.4#
268	88.2	54.6	82.0#



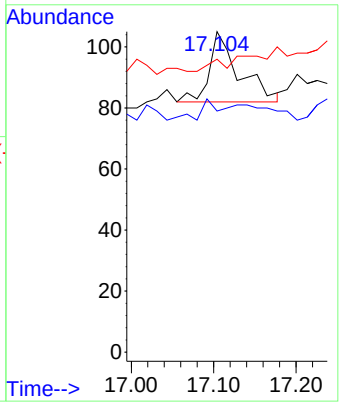
Instrument :
BNA_N
ClientSampleId :
RE135D2-20210317

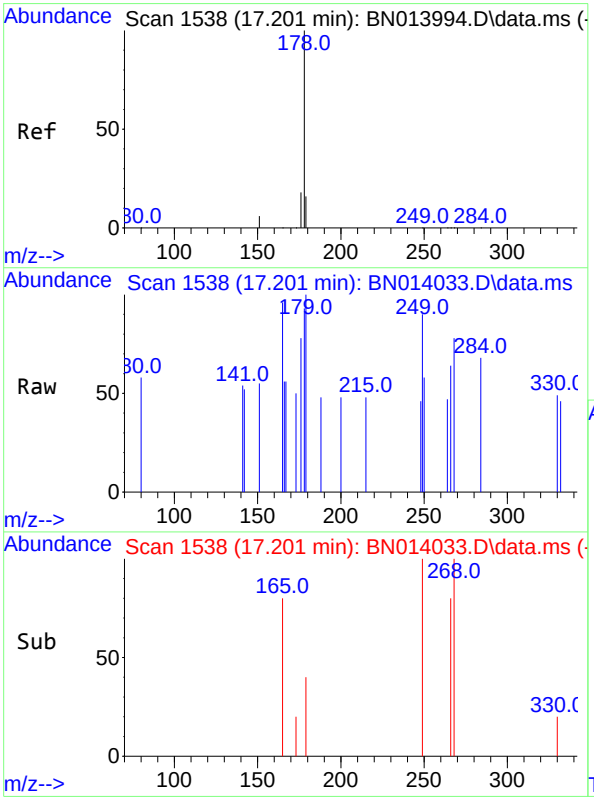


#25
Phenanthrene
Concen: 1.18 ng
RT: 17.104 min Scan# 1530
Delta R.T. -0.000 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:178 Resp: 58

Ion	Ratio	Lower	Upper
178	100		
176	13.8	15.0	22.4#
179	0.0	12.3	18.5#

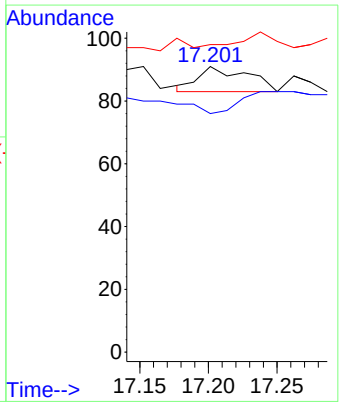


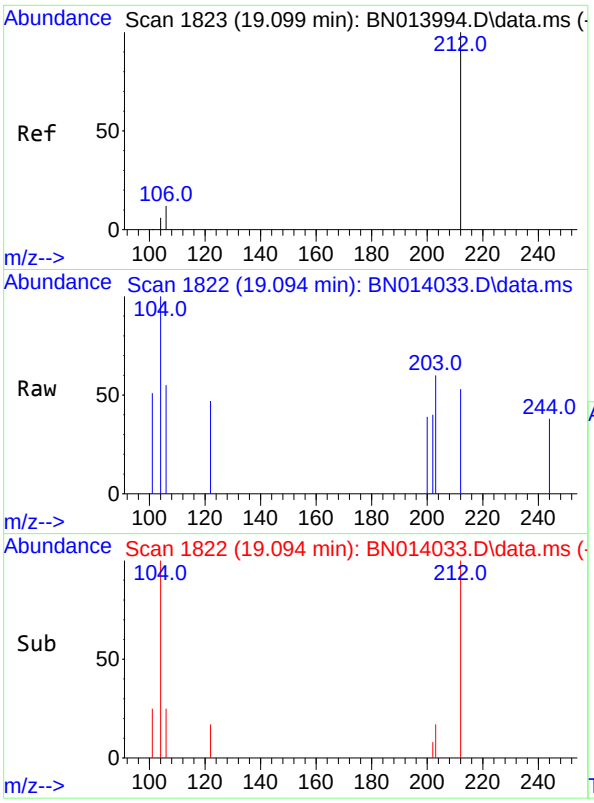


#26
Anthracene
Concen: 0.49 ng
RT: 17.201 min Scan# 1538
Delta R.T. -0.000 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:178 Resp: 20

Ion	Ratio	Lower	Upper
178	100		
176	0.0	14.6	21.8#
179	0.0	12.2	18.2#

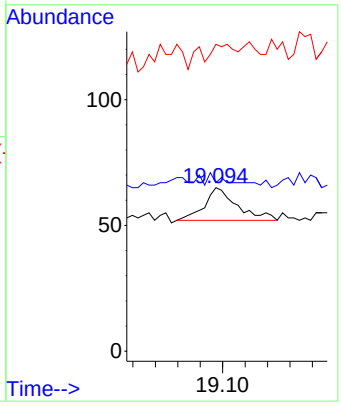




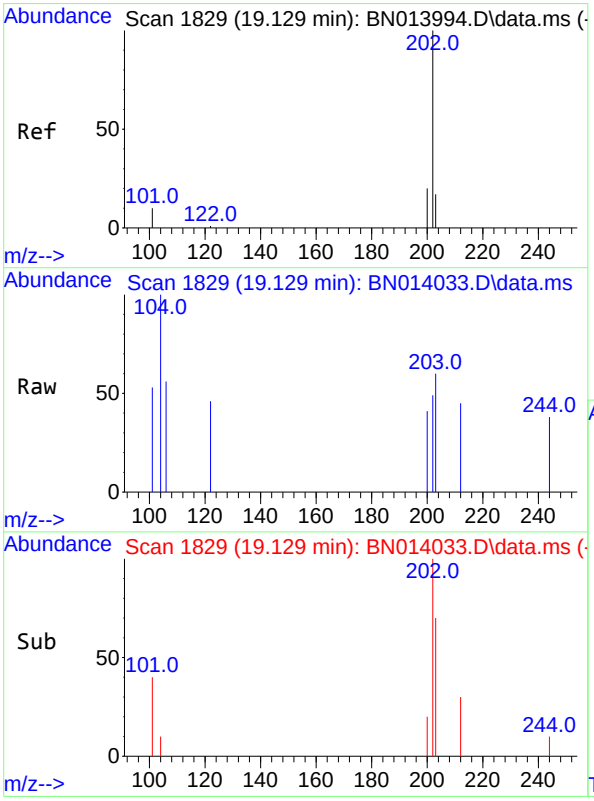
#27
Fluoranthene-d10
Concen: 0.52 ng
RT: 19.094 min Scan# 1822
Delta R.T. -0.005 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:212 Resp: 26

Ion	Ratio	Lower	Upper
212	100		
106	0.0	9.7	14.5#
104	38.5	5.5	8.3#



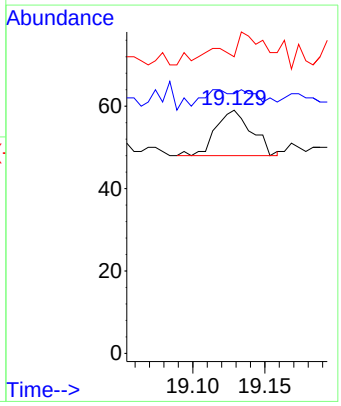
Instrument :
BNA_N
ClientSampleId :
RE135D2-20210317



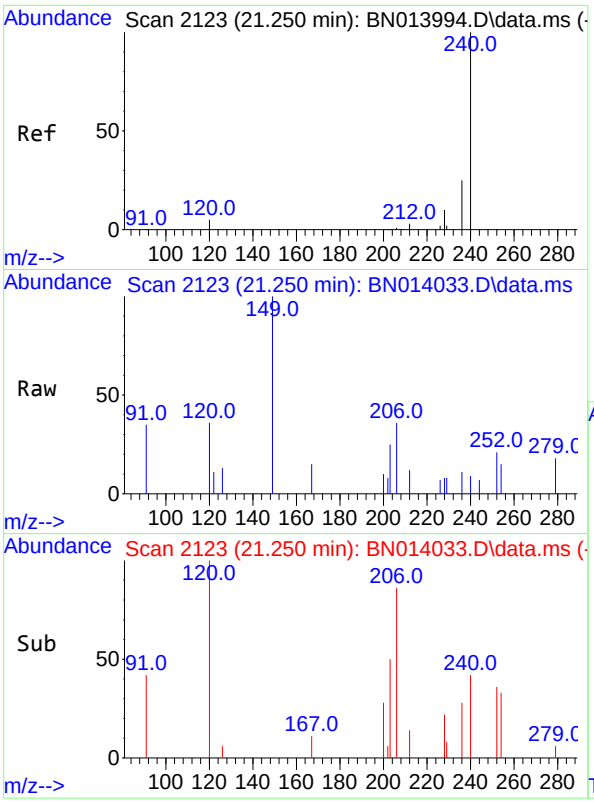
#28
Fluoranthene
Concen: 0.35 ng
RT: 19.129 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:202 Resp: 19

Ion	Ratio	Lower	Upper
202	100		
101	0.0	8.1	12.1#
203	31.6	13.9	20.9#



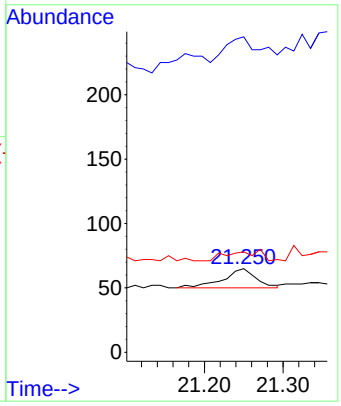
Instrument :
BNA_N
ClientSampleId :
RE135D2-20210317

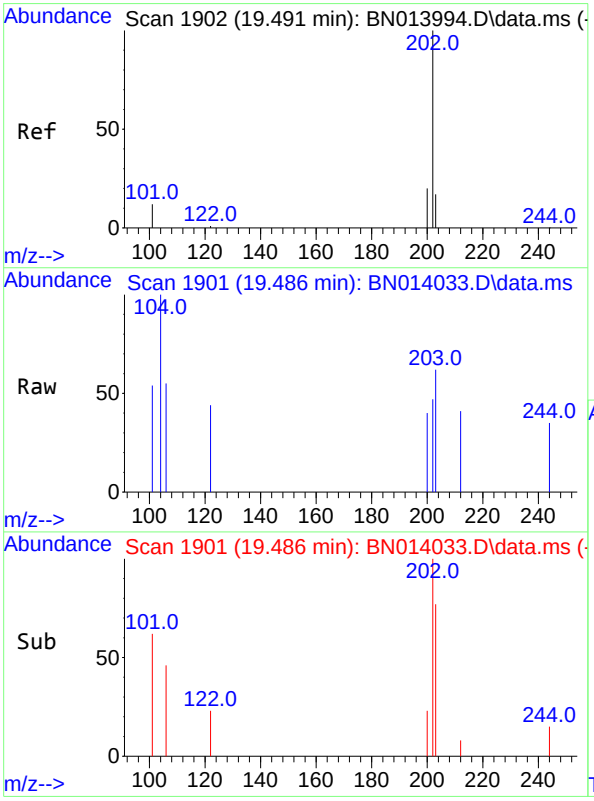


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.250 min Scan# 2123
Delta R.T. -0.000 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:240 Resp: 44

Ion	Ratio	Lower	Upper
240	100		
120	376.9	10.2	15.4#
236	120.0	21.3	31.9#

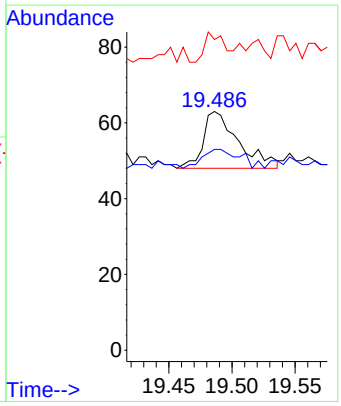




#30
Pyrene
Concen: 0.21 ng
RT: 19.486 min Scan# 1901
Delta R.T. -0.005 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:202 Resp: 29

Ion	Ratio	Lower	Upper
202	100		
200	34.5	16.3	24.5#
203	31.0	14.0	21.0#



Instrument :
BNA_N
ClientSampleId :
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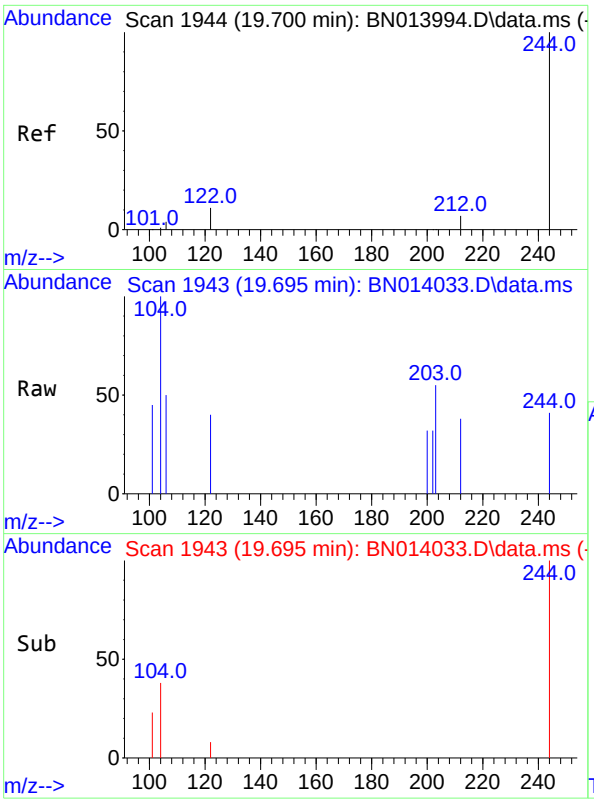
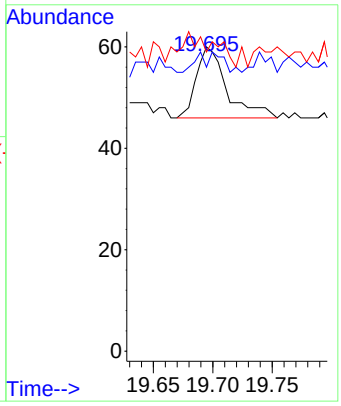
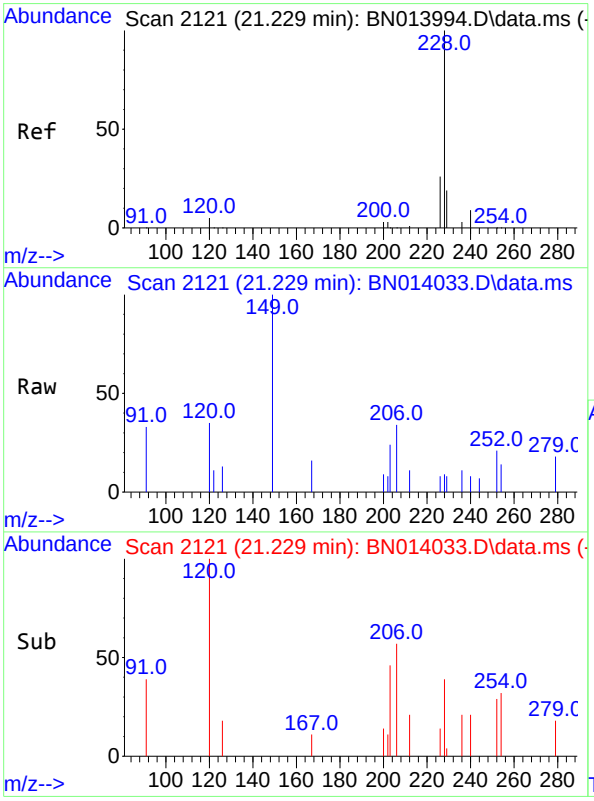


#31
Terphenyl-d14
Concen: 0.26 ng
RT: 19.695 min Scan# 1943
Delta R.T. -0.005 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:244 Resp: 25

Ion	Ratio	Lower	Upper
244	100		
212	93.3	6.1	9.1#
122	98.3	9.8	14.8#

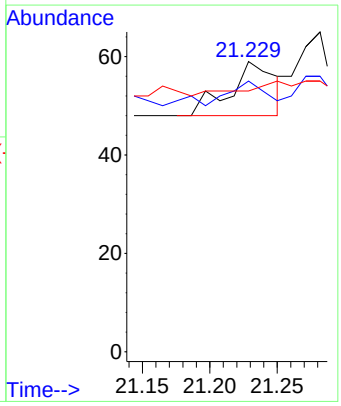




#32
Benzo(a)anthracene
Concen: 0.20 ng
RT: 21.229 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:228 Resp: 25

Ion	Ratio	Lower	Upper
228	100		
226	93.2	20.5	30.7#
229	89.8	16.2	24.4#



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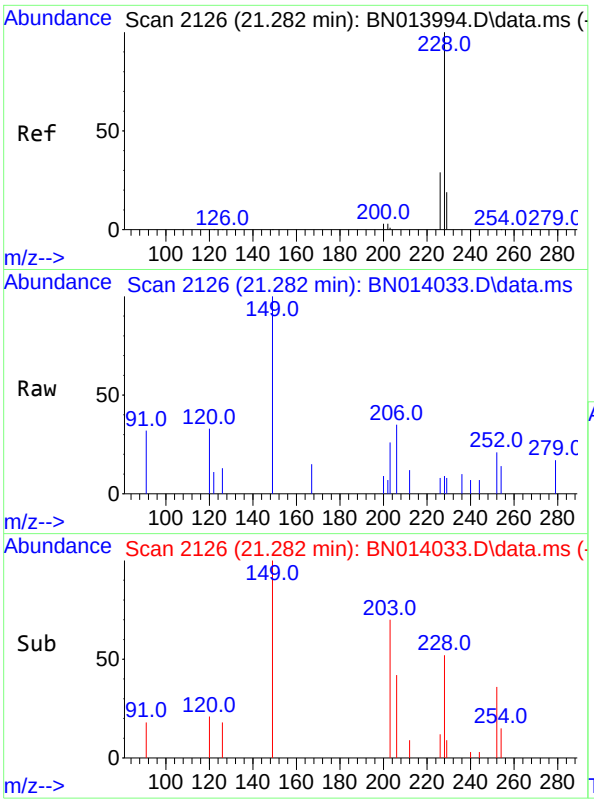
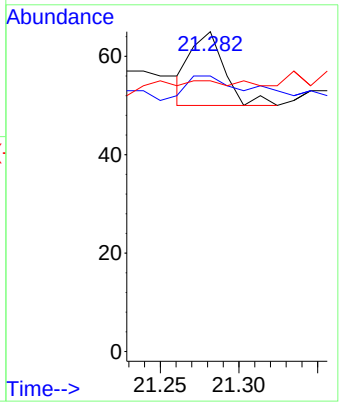
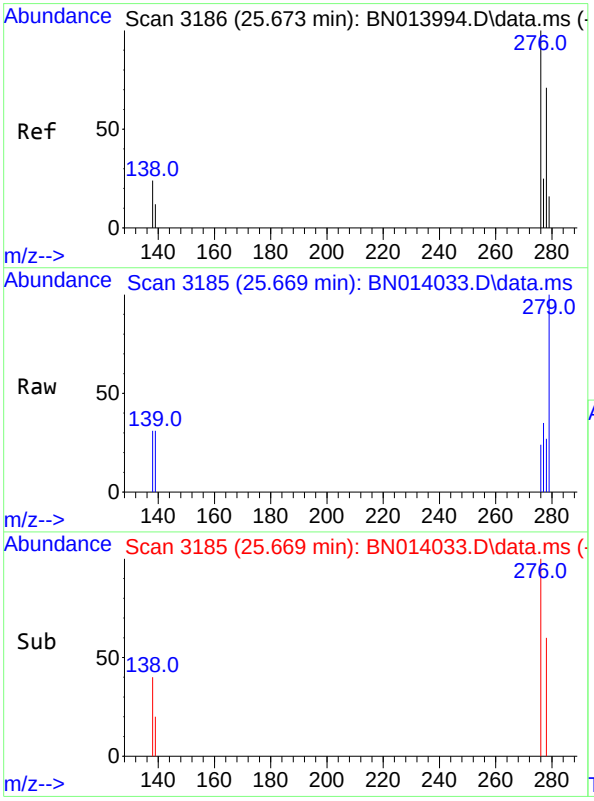


#33
Chrysene
Concen: 0.16 ng
RT: 21.282 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:228 Resp: 22

Ion	Ratio	Lower	Upper
228	100		
226	86.2	24.3	36.5#
229	84.6	15.1	22.7#

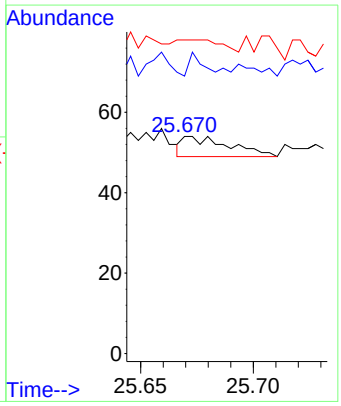


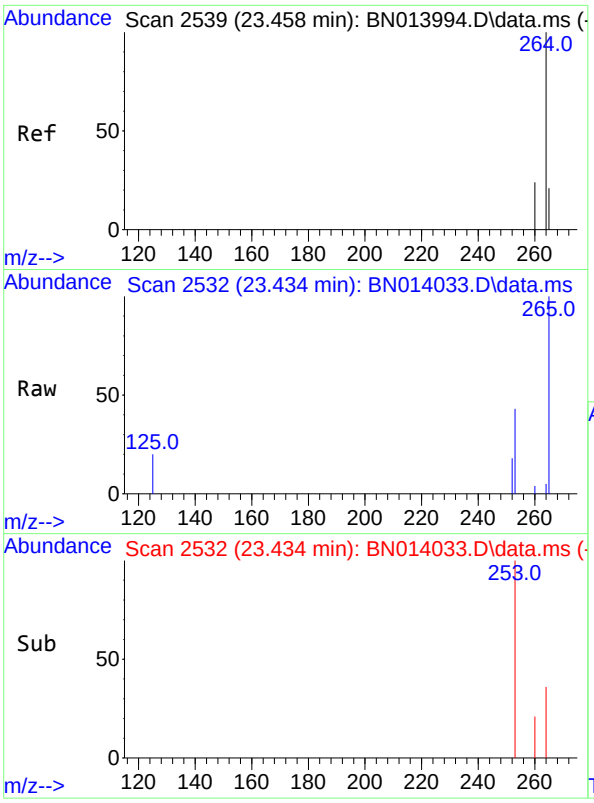


#35
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng
RT: 25.669 min Scan# 3185
Delta R.T. -0.003 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:276 Resp: 7

Ion	Ratio	Lower	Upper
276	100		
138	28.6	19.8	29.6
277	0.0	19.9	29.9#

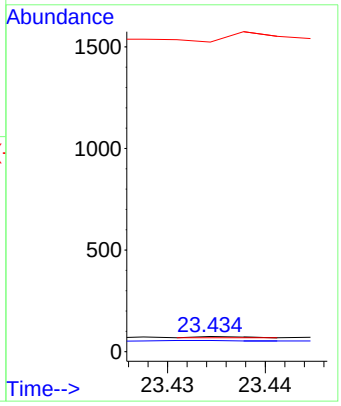




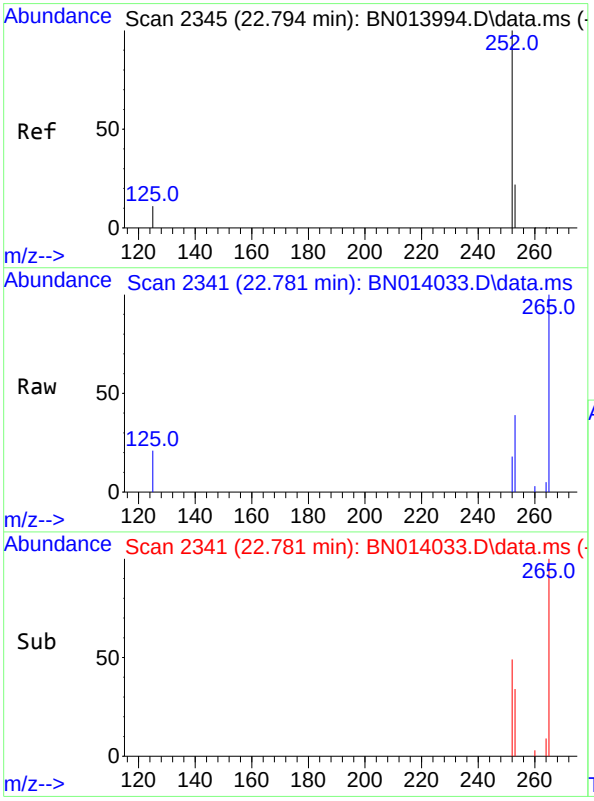
#36
Perylene-d12
Concen: 0.40 ng
RT: 23.434 min Scan# 2532
Delta R.T. -0.024 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:264 Resp: 2

Ion	Ratio	Lower	Upper
264	100		
260	73.3	19.3	28.9#
265	2032.0	66.2	99.4#



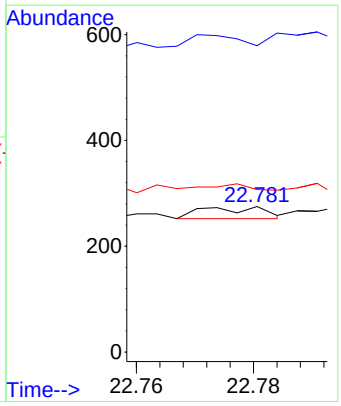
Instrument :
BNA_N
ClientSampleId :
RE135D2-20210317

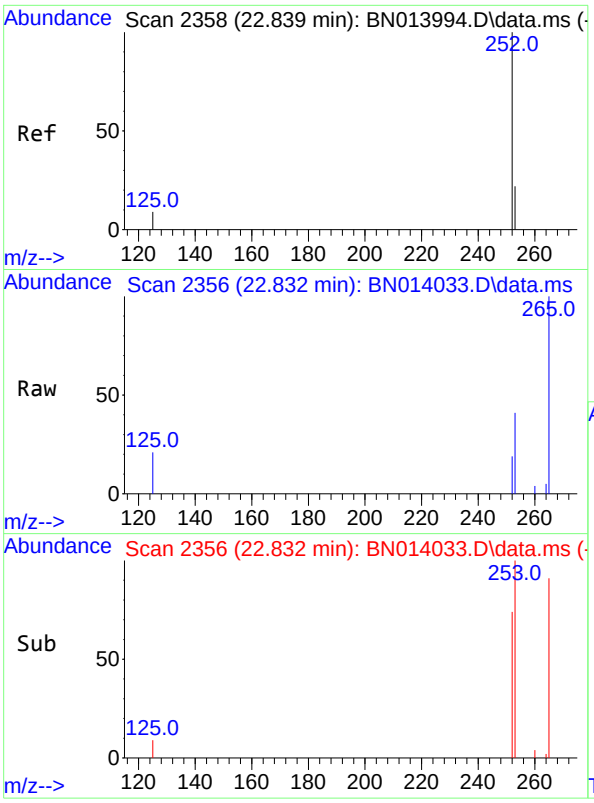


#37
Benzo(b)fluoranthene
Concen: 2.20 ng
RT: 22.781 min Scan# 2341
Delta R.T. -0.014 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:252 Resp: 16

Ion	Ratio	Lower	Upper
252	100		
253	210.5	20.4	30.6#
125	111.6	11.6	17.4#

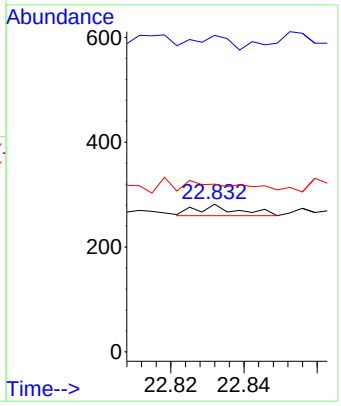




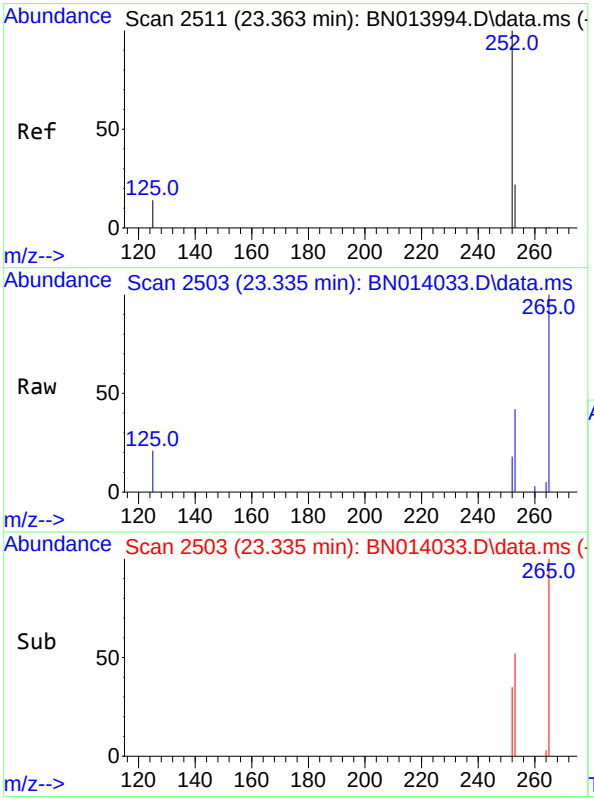
#38
Benzo(k)fluoranthene
Concen: 2.24 ng
RT: 22.832 min Scan# 2356
Delta R.T. -0.007 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:252 Resp: 16

Ion	Ratio	Lower	Upper
252	100		
253	214.2	20.5	30.7#
125	113.5	12.3	18.5#



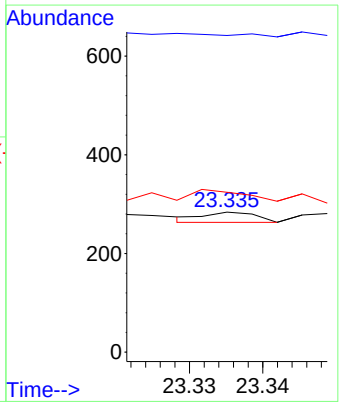
Instrument :
BNA_N
ClientSampleId :
RE135D2-20210317



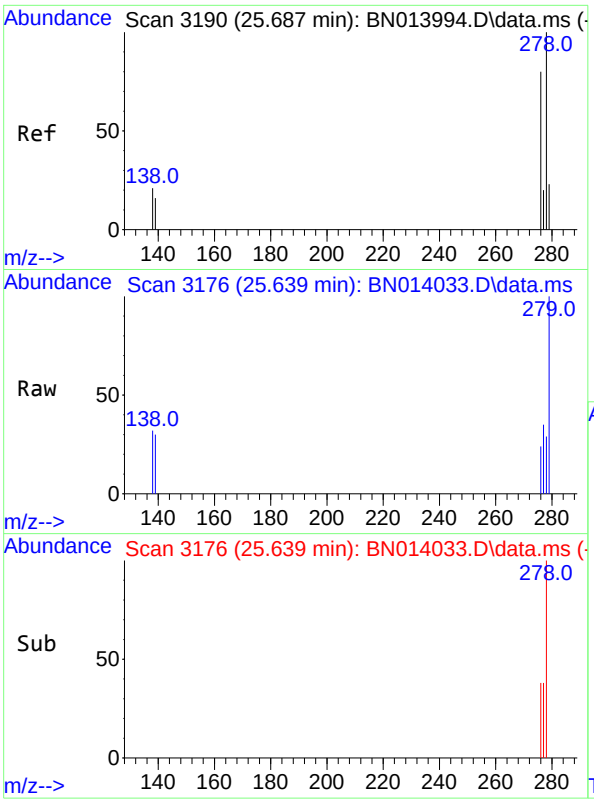
#39
Benzo(a)pyrene
Concen: 1.61 ng
RT: 23.335 min Scan# 2503
Delta R.T. -0.027 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:252 Resp: 10

Ion	Ratio	Lower	Upper
252	100		
253	226.1	21.8	32.6#
125	114.1	14.6	21.8#



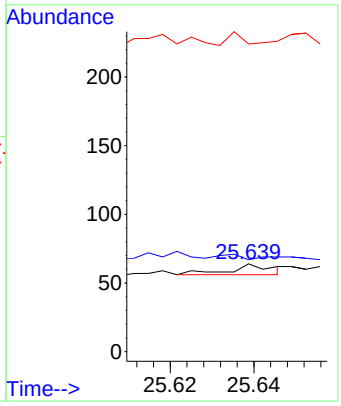
Instrument :
BNA_N
ClientSampleId :
RE135D2-20210317

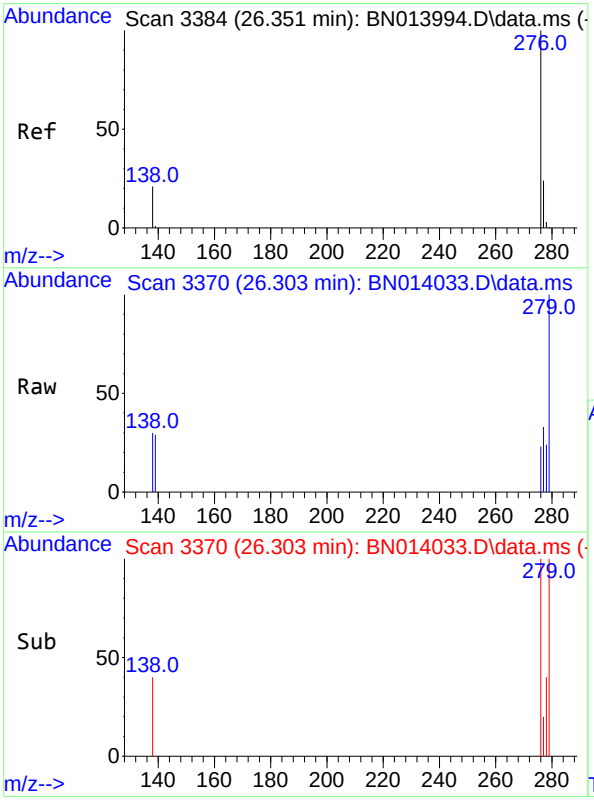


#40
Dibenzo(a,h)anthracene
Concen: 0.90 ng
RT: 25.639 min Scan# 3176
Delta R.T. -0.048 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:278 Resp: 6

Ion	Ratio	Lower	Upper
278	100		
139	104.7	13.1	19.7#
279	350.0	21.4	32.0#





#41
Benzo(g,h,i)perylene
Concen: 1.44 ng
RT: 26.303 min Scan# 3370
Delta R.T. -0.048 min
Lab File: BN014033.D
Acq: 23 Mar 2021 04:28

Tgt Ion:276 Resp: 10

Ion	Ratio	Lower	Upper
276	100		
277	143.6	20.0	30.0#
138	129.1	17.8	26.8#