Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011223\
Data File : BN023636.D
Acq On : 12 Jan 2023 09:37
Operator : CG/JU
Sample : PB150174BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Quant Time: Jan 12 16:16:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 12 00:22:07 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.941	152	4816	0.400	ng		0.00
7) Naphthalene-d8	10.754	136	14784	0.400	ng		-0.01
13) Acenaphthene-d10	14.591	164	8199	0.400	ng		0.00
19) Phenanthrene-d10	17.340	188	17967	0.400	ng	#	0.00
29) Chrysene-d12	21.531	240	16640	0.400	ng	#	0.00
35) Perylene-d12	23.961	264	13719	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.478	112	4068	0.425	ng		-0.01
5) Phenol-d6	7.096	99	5257	0.427	ng		-0.01
8) Nitrobenzene-d5	9.099	82	4094	0.368	ng		-0.01
11) 2-Methylnaphthalene-d10	12.344	152	7782	0.381	ng		0.00
14) 2,4,6-Tribromophenol	16.086	330	1256	0.354	ng		0.00
15) 2-Fluorobiphenyl	13.212	172	12639	0.381	ng		-0.01
27) Fluoranthene-d10	19.376	212	16961	0.385	ng		0.00
31) Terphenyl-d14	19.974	244	15312	0.363	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.333	88	1740	0.403	ng		94
3) n-Nitrosodimethylamine	3.665	42	1887	0.390	ng		93
6) bis(2-Chloroethyl)ether	7.356	93	5260	0.405	ng		99
9) Naphthalene	10.808	128	14862	0.380	ng		99
10) Hexachlorobutadiene	11.096	225	2888	0.365	ng	#	100
12) 2-Methylnaphthalene	12.419	142	10576	0.377	ng		99
16) Acenaphthylene	14.313	152	11316	0.342	ng		100
17) Acenaphthene	14.655	154	8993	0.371	ng		98
18) Fluorene	15.639	166	11913	0.366	ng		100
20) 4,6-Dinitro-2-methylph...	15.714	198	595	0.305	ng	#	62
21) 4-Bromophenyl-phenylether	16.533	248	3701	0.361	ng	#	90
22) Hexachlorobenzene	16.645	284	4672	0.365	ng		99
23) Atrazine	16.806	200	2469	0.349	ng		98
24) Pentachlorophenol	16.992	266	1511	0.341	ng		96
25) Phenanthrene	17.377	178	19709	0.375	ng		99
26) Anthracene	17.476	178	15143	0.359	ng		99
28) Fluoranthene	19.405	202	22653	0.381	ng		100
30) Pyrene	19.768	202	23432	0.368	ng		100
32) Benzo(a)anthracene	21.522	228	21420	0.398	ng		99
33) Chrysene	21.575	228	21950	0.370	ng		99
34) Bis(2-ethylhexyl)phtha...	21.441	149	9971	0.397	ng		100
36) Indeno(1,2,3-cd)pyrene	26.484	276	21294	0.346	ng		99
37) Benzo(b)fluoranthene	23.218	252	20505	0.350	ng		99
38) Benzo(k)fluoranthene	23.268	252	20197	0.354	ng		99
39) Benzo(a)pyrene	23.853	252	15872	0.359	ng		96
40) Dibenzo(a,h)anthracene	26.504	278	16831	0.342	ng		99
41) Benzo(g,h,i)perylene	27.264	276	17719	0.352	ng		100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011223\
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Instrument :
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Quant Time: Jan 12 16:16:59 2023
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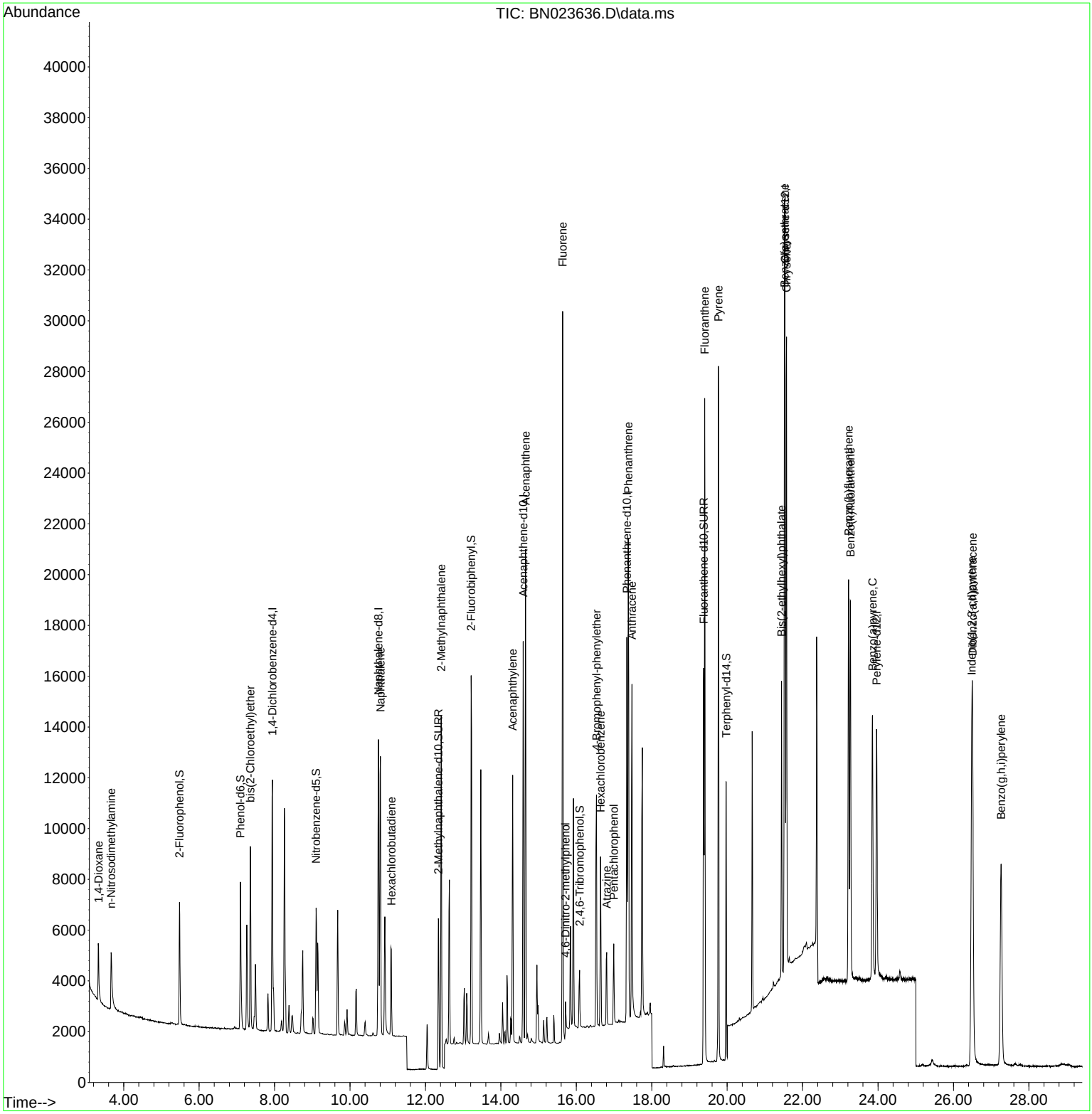
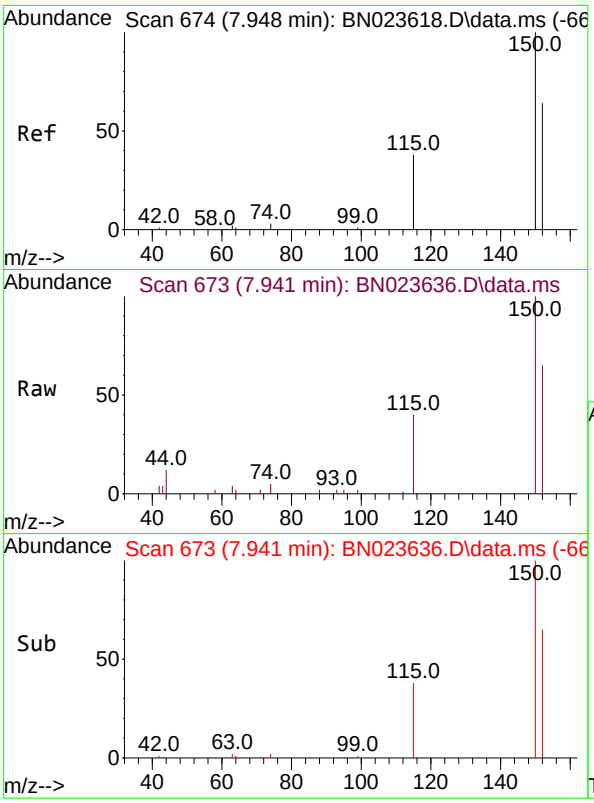
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 12 00:22:07 2023
Response via : Initial Calibration



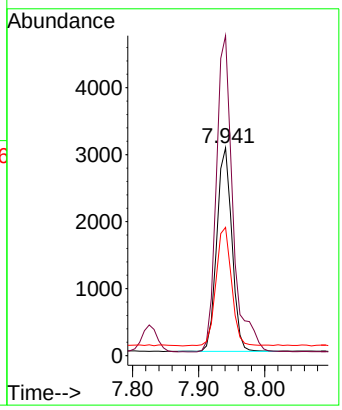


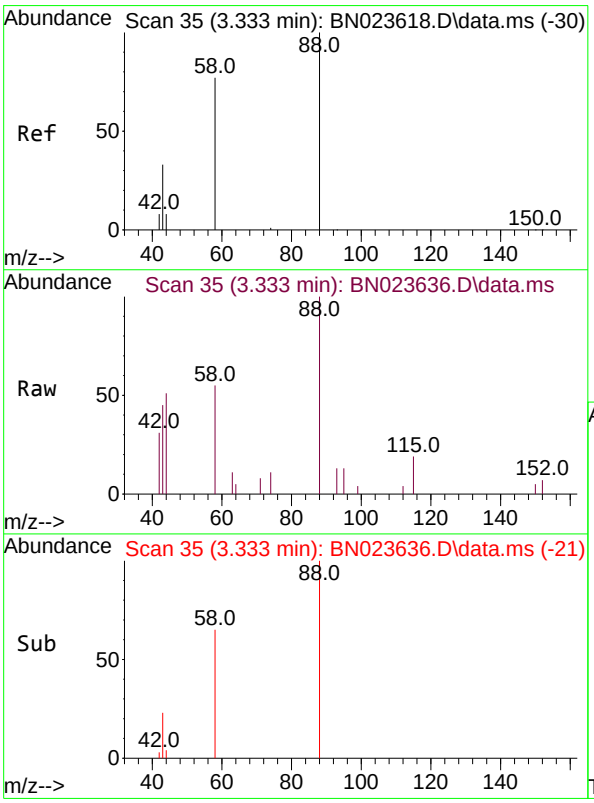
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.941 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:152 Resp: 4816

Ion	Ratio	Lower	Upper
152	100		
150	154.0	123.8	185.8
115	61.7	50.6	75.8

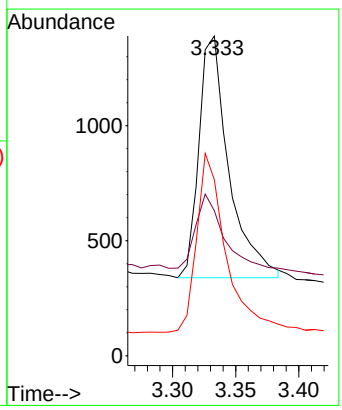


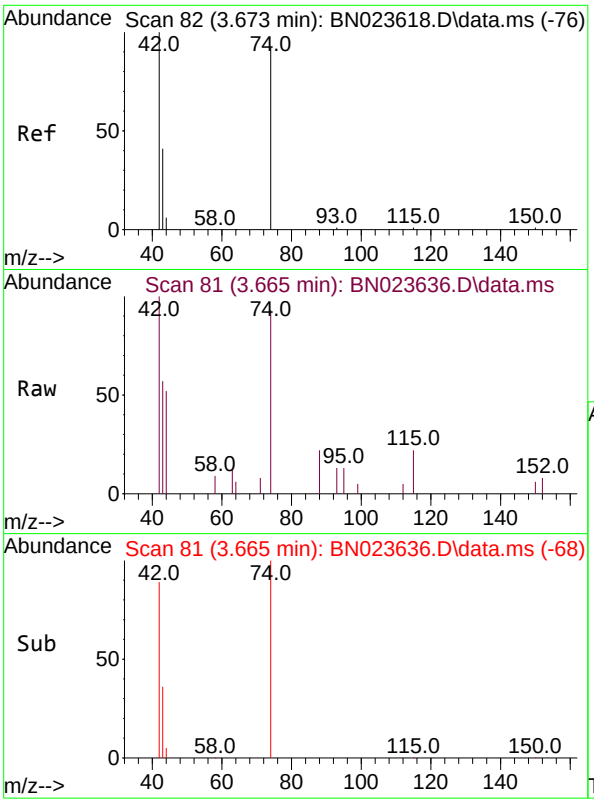


#2
1,4-Dioxane
Concen: 0.403 ng
RT: 3.333 min Scan# 35
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion: 88 Resp: 1740

Ion	Ratio	Lower	Upper
88	100		
43	27.6	26.2	39.2
58	71.8	60.6	90.8



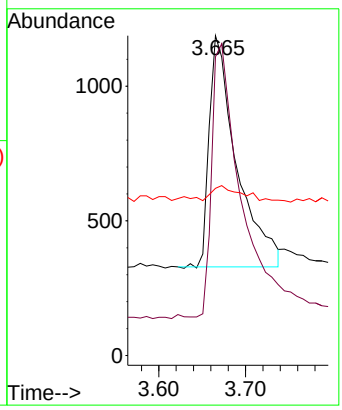


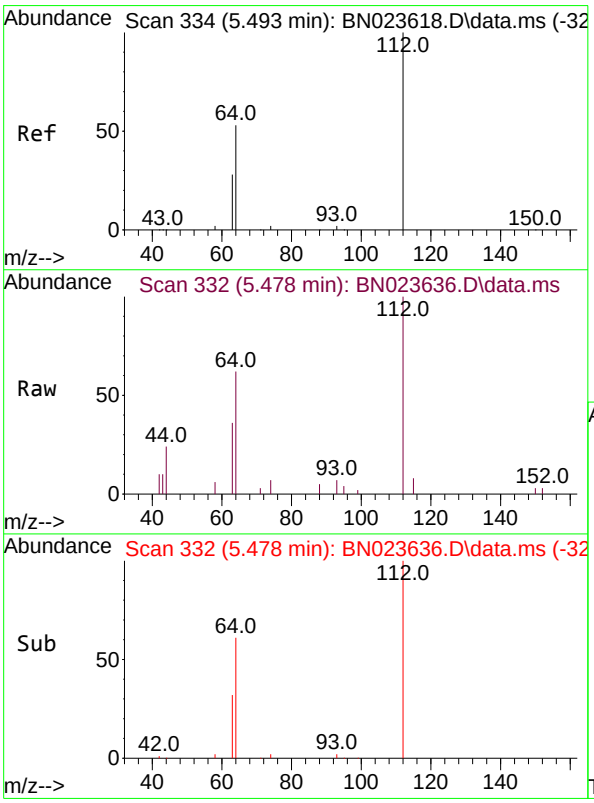
#3
n-Nitrosodimethylamine
Concen: 0.390 ng
RT: 3.665 min Scan# 81
Delta R.T. -0.008 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion: 42 Resp: 1887

Ion	Ratio	Lower	Upper
42	100		
74	123.6	92.1	138.1
44	6.5	5.4	8.0

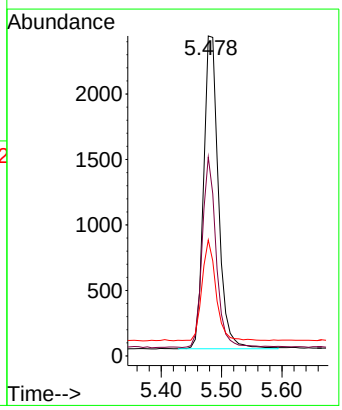


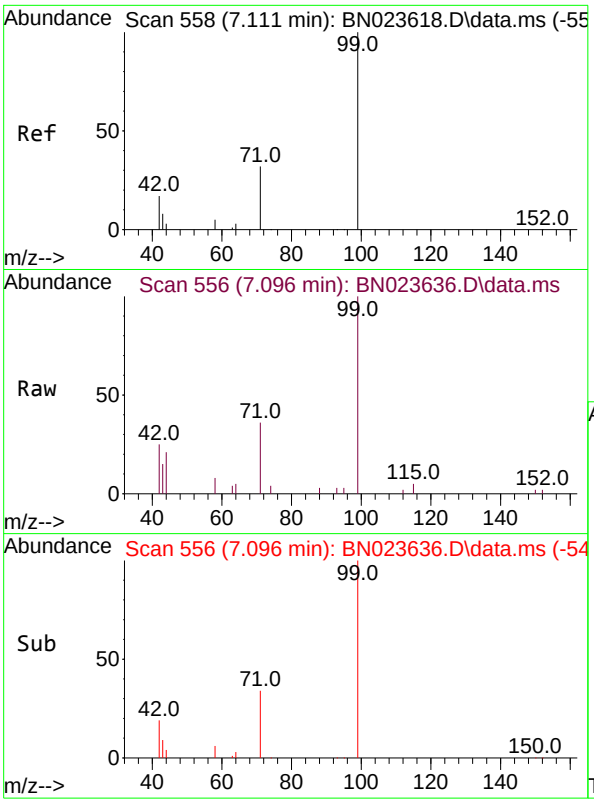


#4
2-Fluorophenol
Concen: 0.425 ng
RT: 5.478 min Scan# 332
Delta R.T. -0.015 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:112 Resp: 4068

Ion	Ratio	Lower	Upper
112	100		
64	57.4	44.9	67.3
63	30.5	24.9	37.3



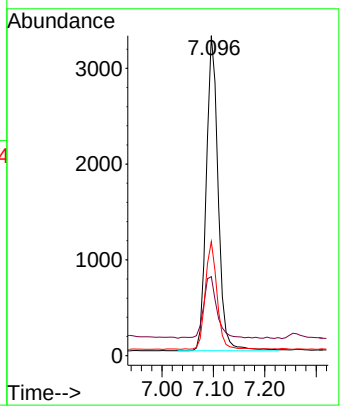


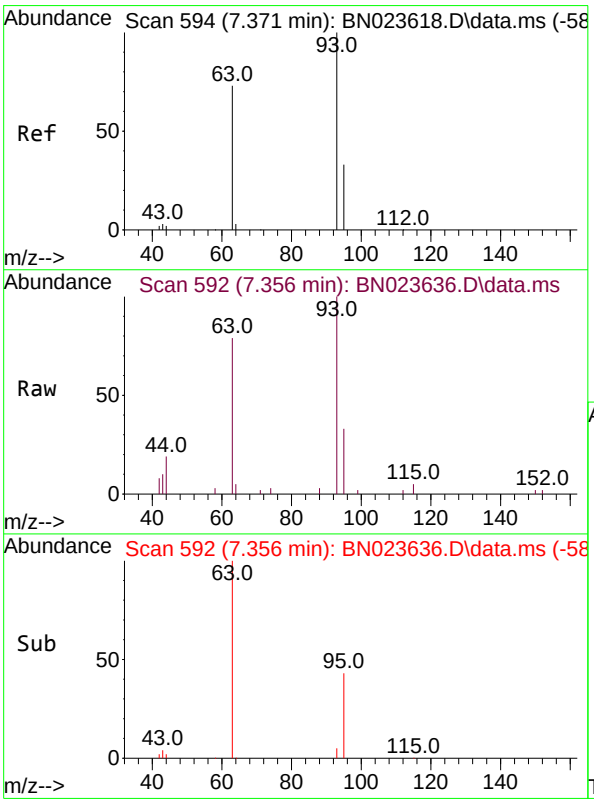
#5
Phenol-d6
Concen: 0.427 ng
RT: 7.096 min Scan# 5
Delta R.T. -0.015 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion: 99 Resp: 5257

Ion	Ratio	Lower	Upper
99	100		
42	22.2	18.8	28.2
71	33.8	28.2	42.4

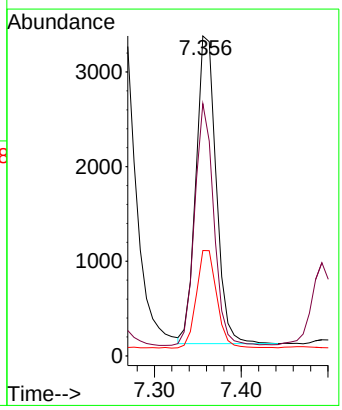


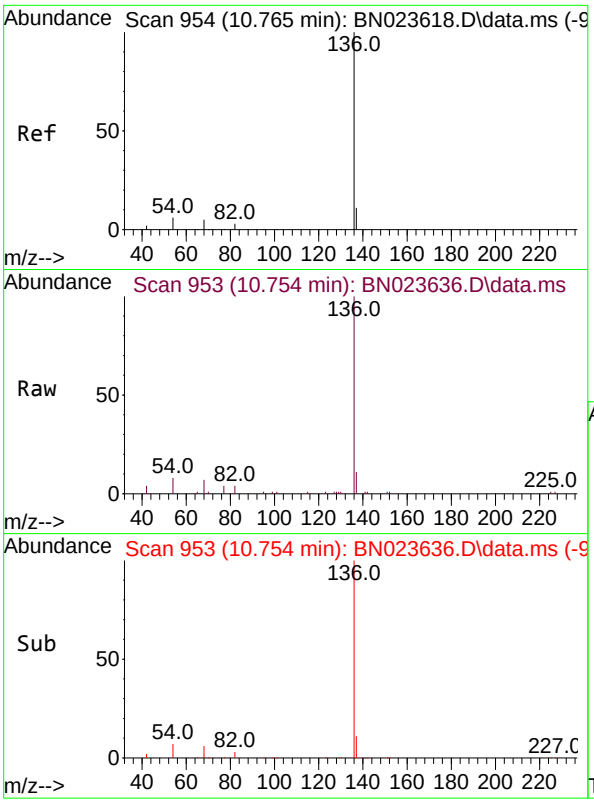


#6
bis(2-Chloroethyl)ether
Concen: 0.405 ng
RT: 7.356 min Scan# 592
Delta R.T. -0.015 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion: 93 Resp: 5260

Ion	Ratio	Lower	Upper
93	100		
63	74.2	59.6	89.4
95	32.2	25.3	37.9



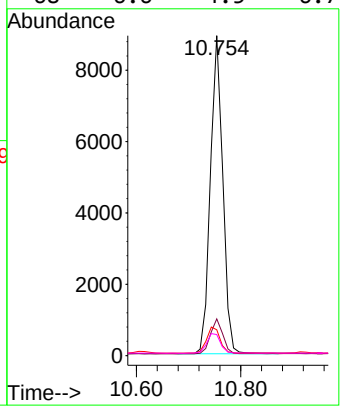


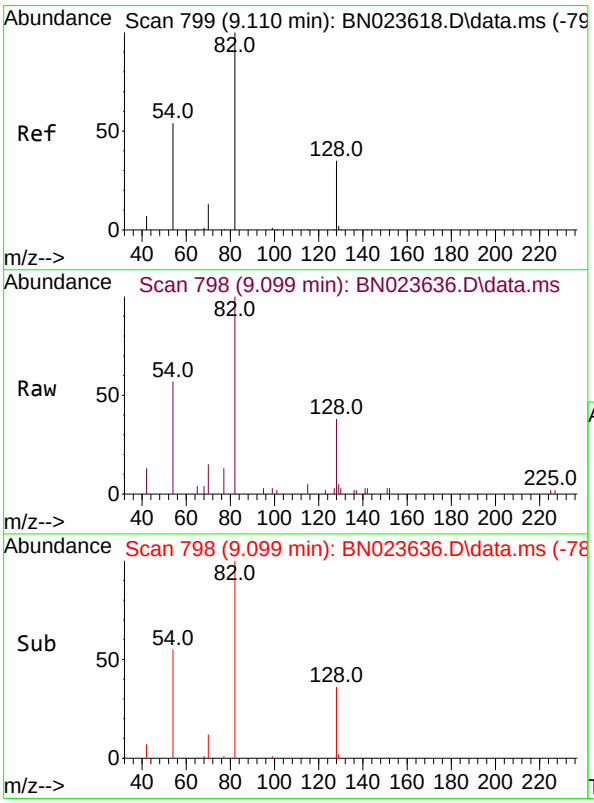
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.754 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:136 Resp: 14784

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	8.1	5.7	8.5
68	6.6	4.5	6.7

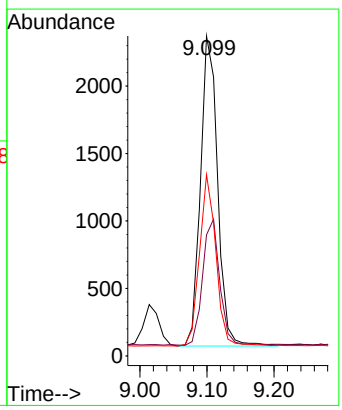


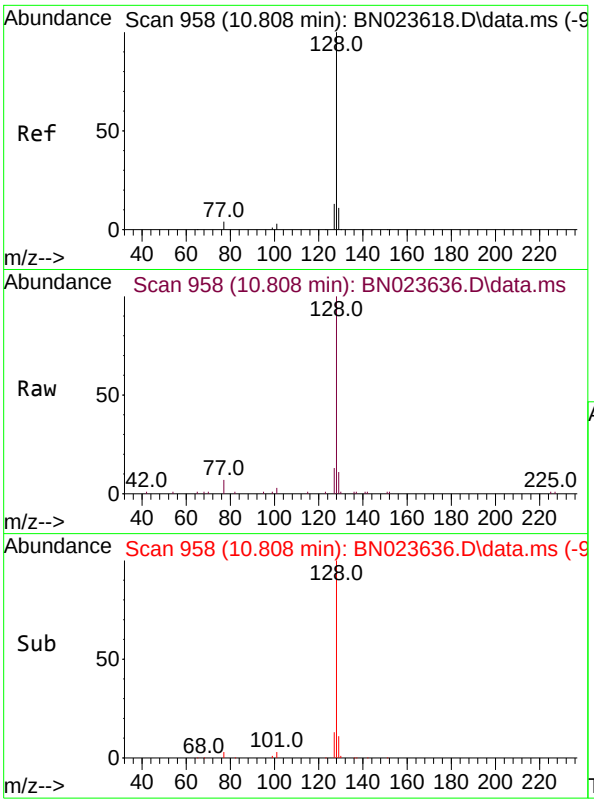


#8
Nitrobenzene-d5
Concen: 0.368 ng
RT: 9.099 min Scan# 798
Delta R.T. -0.011 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion: 82 Resp: 4094

Ion	Ratio	Lower	Upper
82	100		
128	37.8	29.8	44.8
54	56.6	43.9	65.9



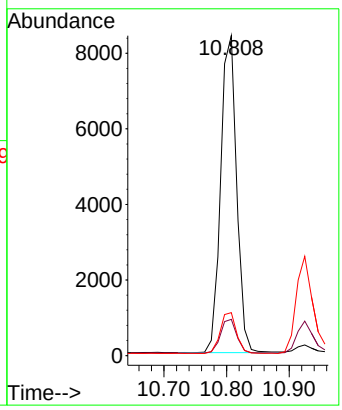


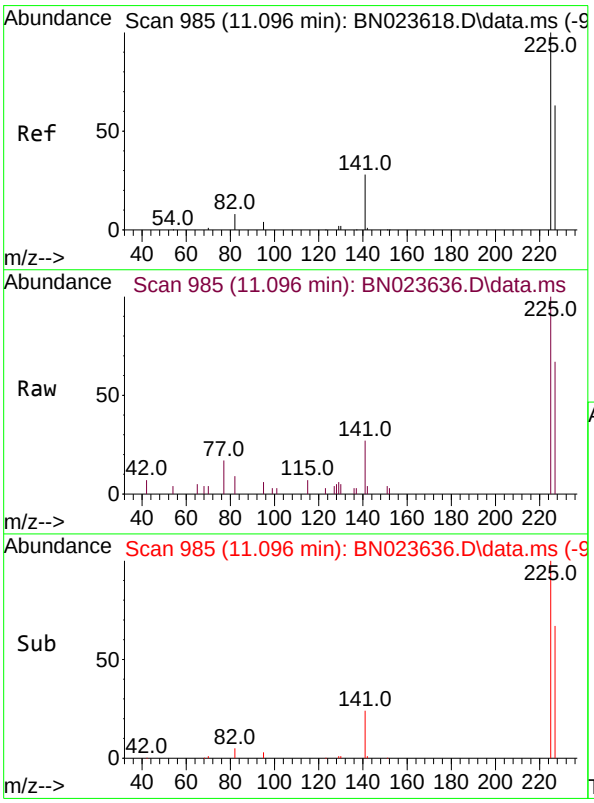
#9
Naphthalene
Concen: 0.380 ng
RT: 10.808 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:128 Resp: 14862

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.4	11.0	16.4

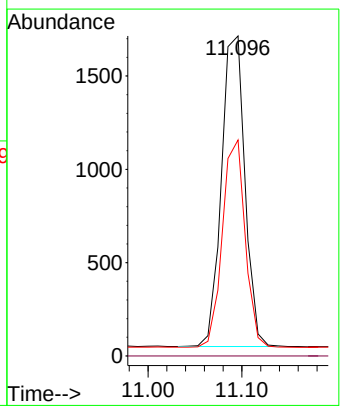


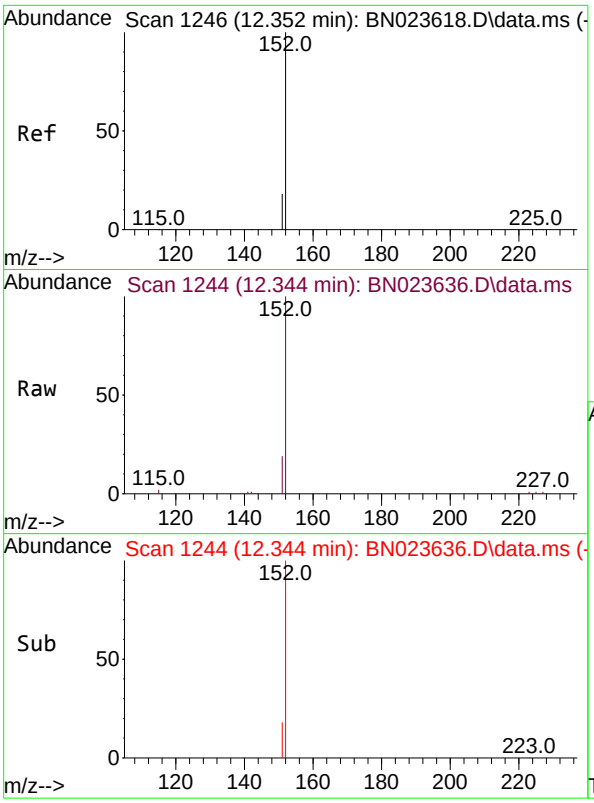


#10
Hexachlorobutadiene
Concen: 0.365 ng
RT: 11.096 min Scan# 985
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:225 Resp: 2888

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.6	51.8	77.6



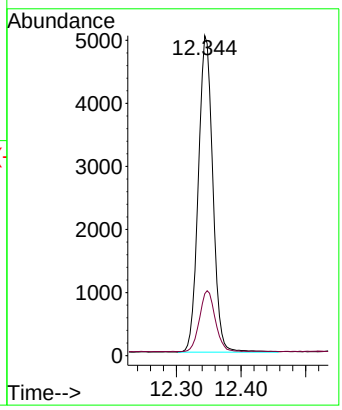


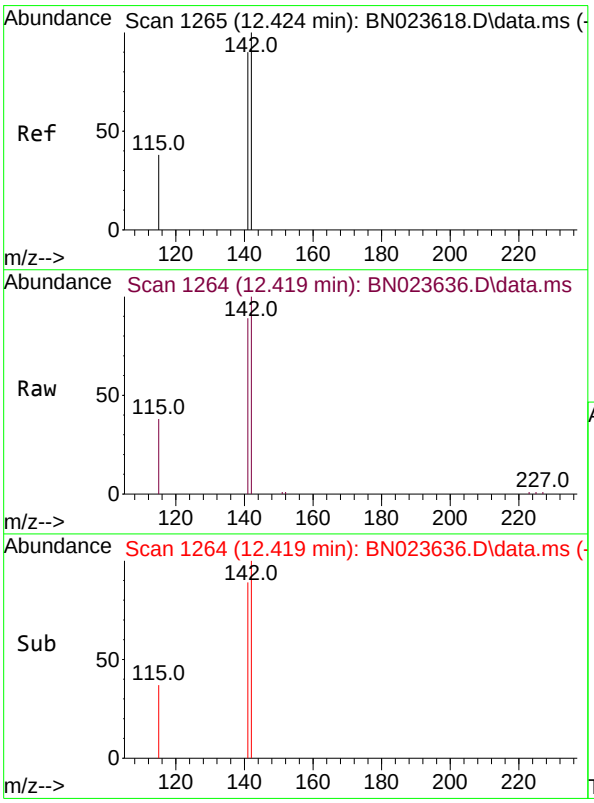
#11
2-Methylnaphthalene-d10
Concen: 0.381 ng
RT: 12.344 min Scan# 1
Delta R.T. -0.008 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:152 Resp: 7782

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.9	25.3

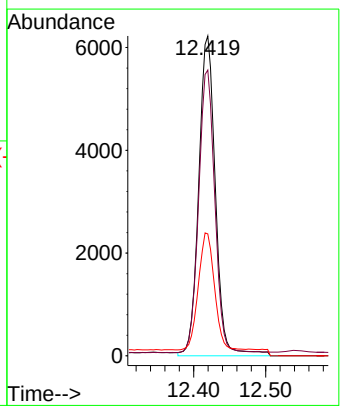


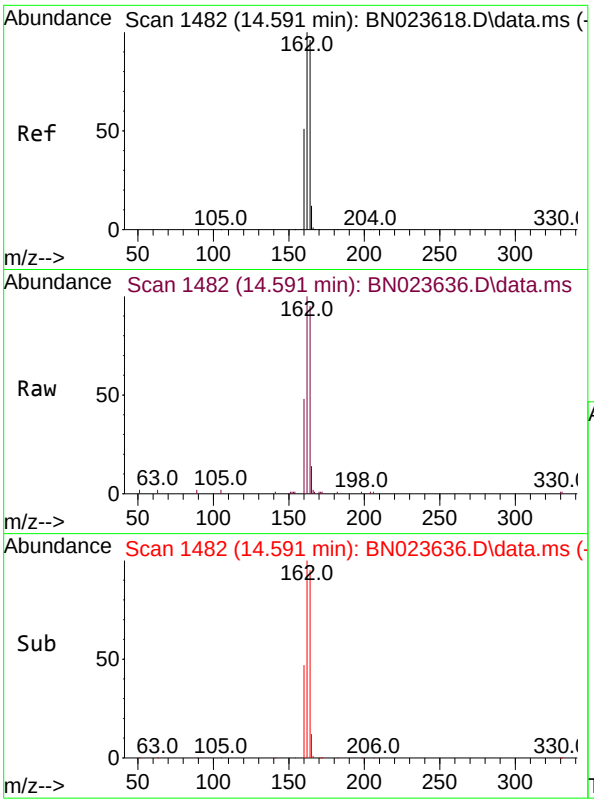


#12
2-Methylnaphthalene
Concen: 0.377 ng
RT: 12.419 min Scan# 1264
Delta R.T. -0.004 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:142 Resp: 10576

Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.0	108.0
115	38.1	31.7	47.5



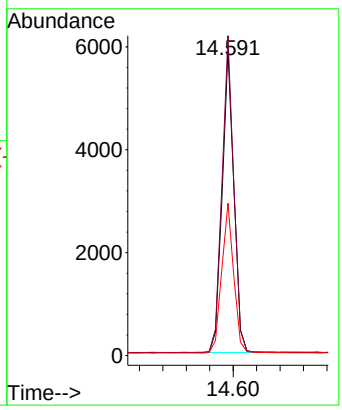


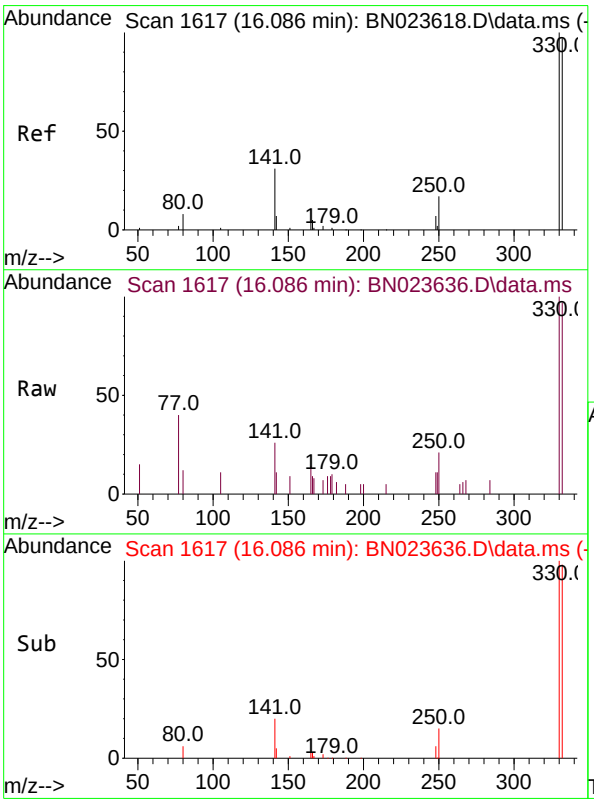
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.591 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:164 Resp: 8199

Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.4	125.2
160	50.0	42.7	64.1

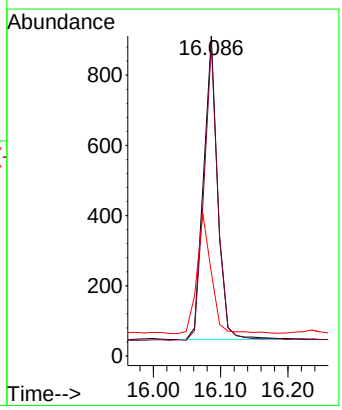


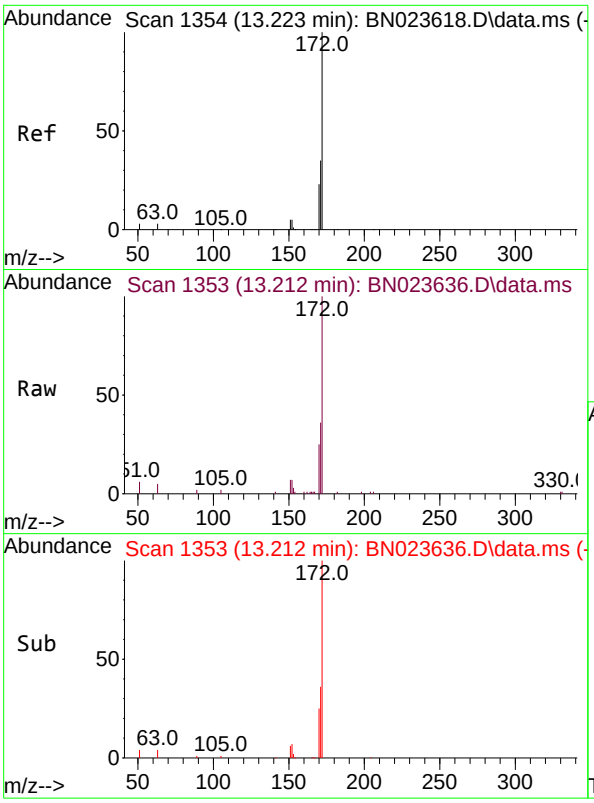


#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 16.086 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:330 Resp: 1256

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.1	117.1
141	40.4	33.4	50.0



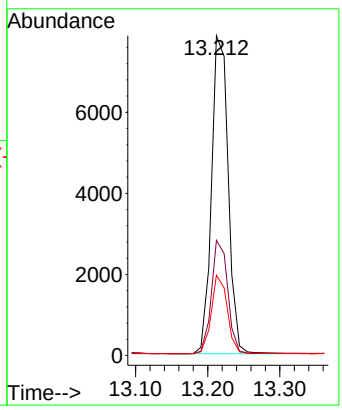


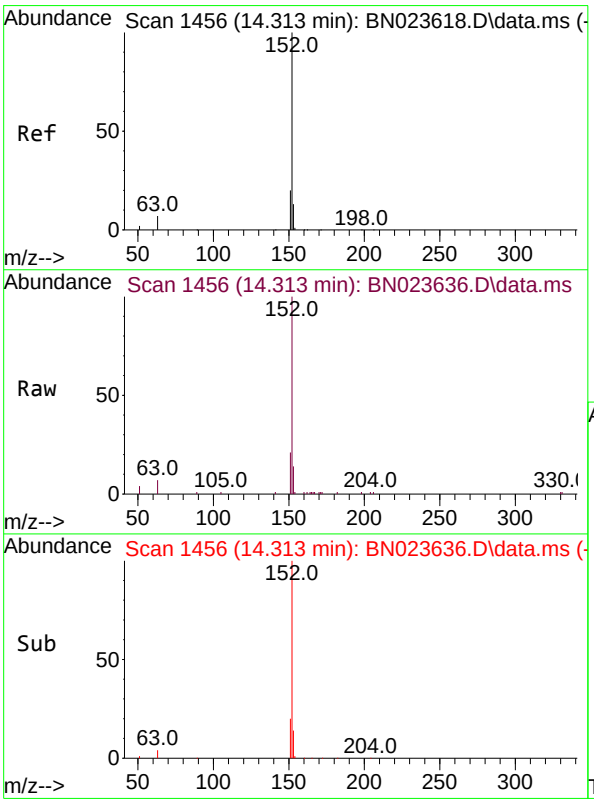
#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 13.212 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:172 Resp: 12639

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.0	42.0
170	25.1	19.0	28.4

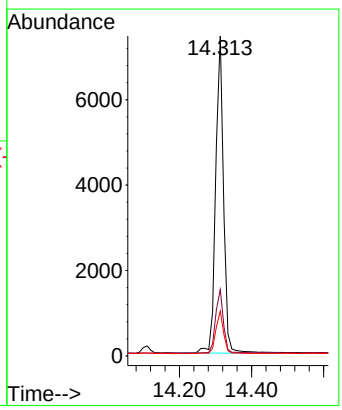


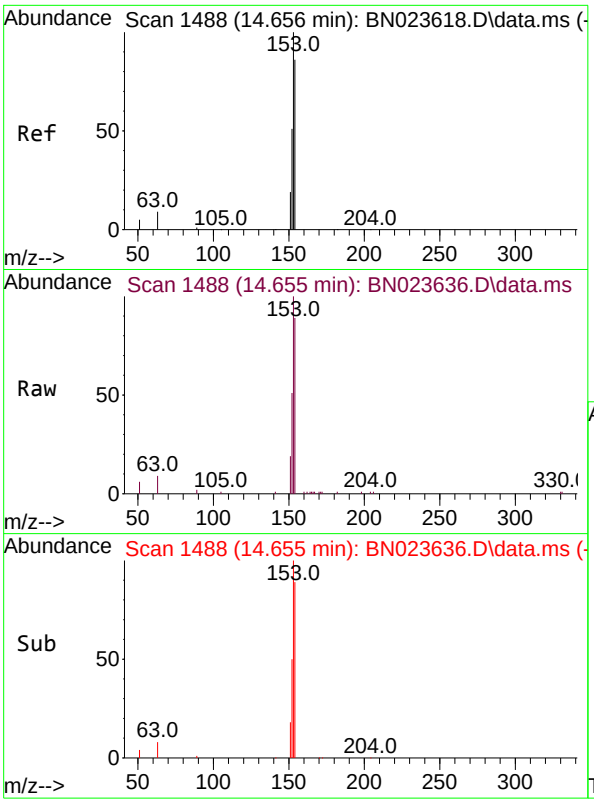


#16
Acenaphthylene
Concen: 0.342 ng
RT: 14.313 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:152 Resp: 11316

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	13.2	10.5	15.7



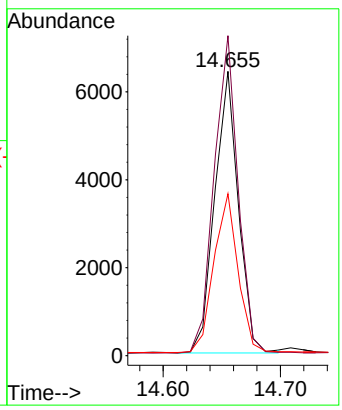


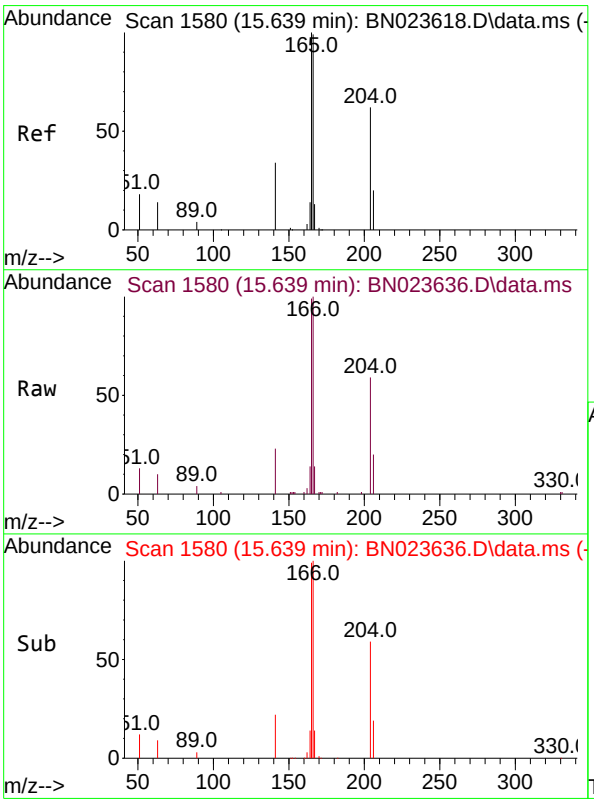
#17
Acenaphthene
Concen: 0.371 ng
RT: 14.655 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:154 Resp: 8993

Ion	Ratio	Lower	Upper
154	100		
153	114.5	92.4	138.6
152	58.1	48.2	72.2

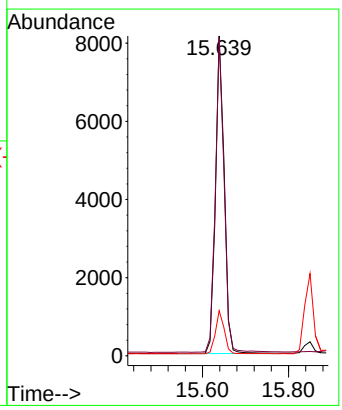


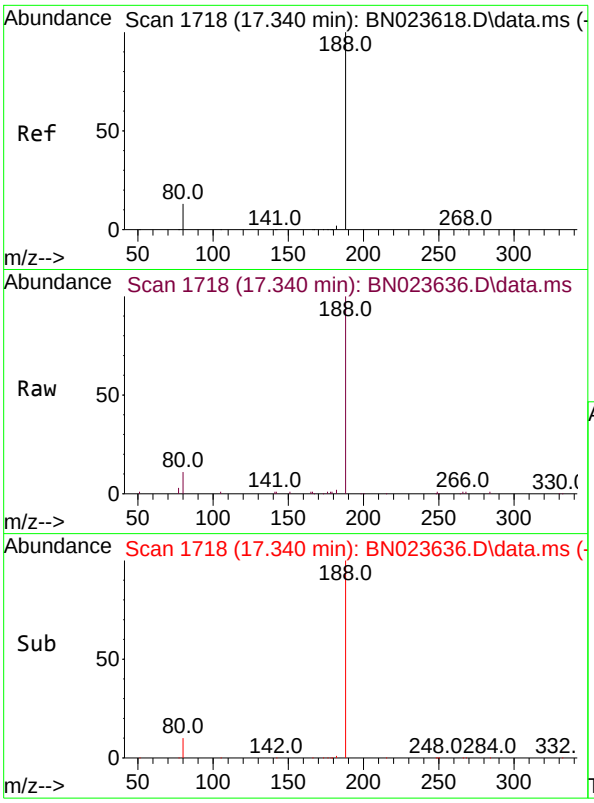


#18
Fluorene
Concen: 0.366 ng
RT: 15.639 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:166 Resp: 11913

Ion	Ratio	Lower	Upper
166	100		
165	100.2	80.4	120.6
167	13.8	10.6	16.0





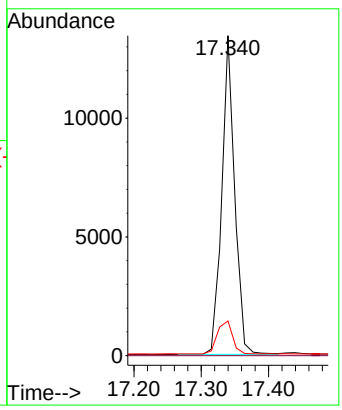
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.340 min Scan# 1

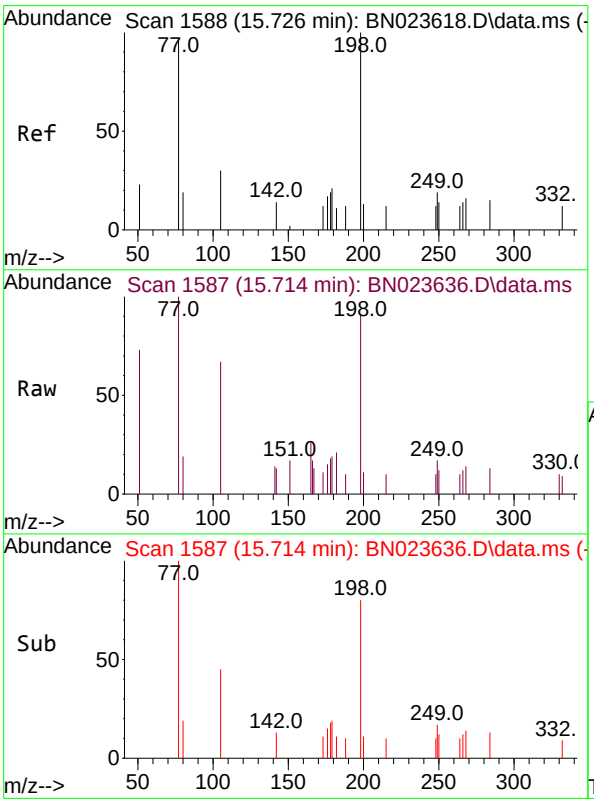
Instrument :
BNA_N
ClientSampleId :
PB150174BS

Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:188 Resp: 17967

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	11.0	16.4#

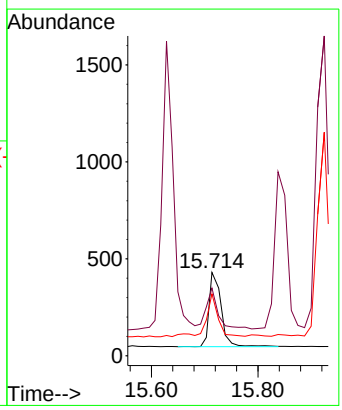


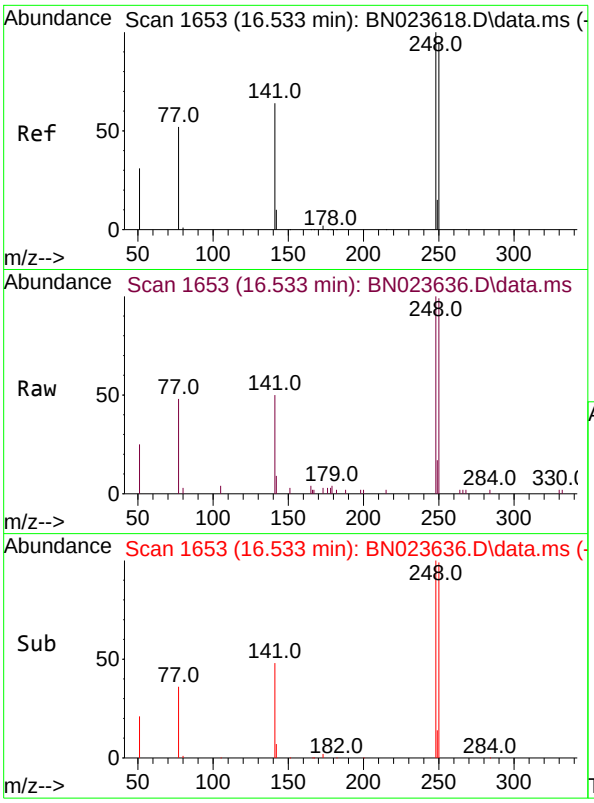


#20
4,6-Dinitro-2-methylphenol
Concen: 0.305 ng
RT: 15.714 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:198 Resp: 595

Ion	Ratio	Lower	Upper
198	100		
51	81.2	44.9	67.3#
105	74.2	37.0	55.4#



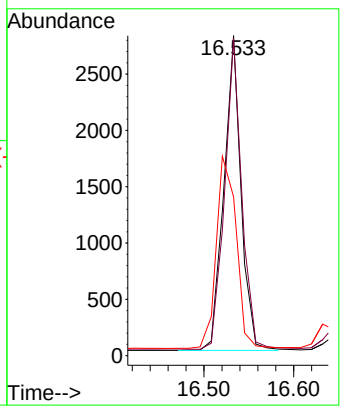


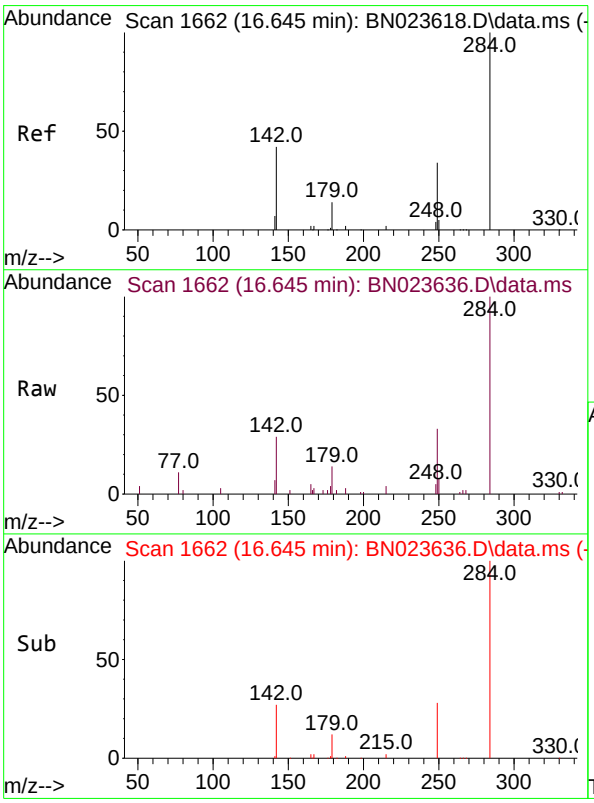
#21
4-Bromophenyl-phenylether
Concen: 0.361 ng
RT: 16.533 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:248 Resp: 3701

Ion	Ratio	Lower	Upper
248	100		
250	99.1	76.6	114.8
141	49.6	52.3	78.5#

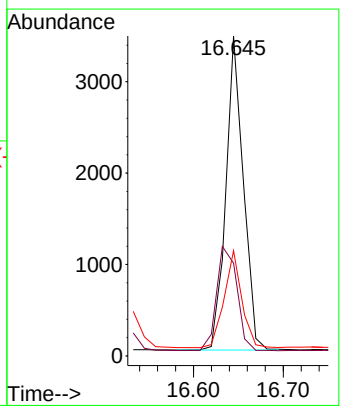


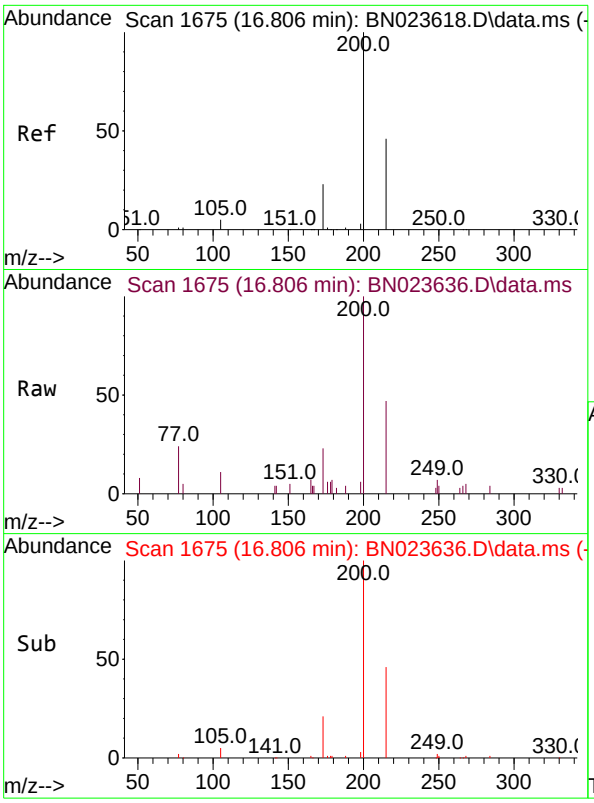


#22
Hexachlorobenzene
Concen: 0.365 ng
RT: 16.645 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:284 Resp: 4672

Ion	Ratio	Lower	Upper
284	100		
142	38.5	31.4	47.2
249	30.9	24.9	37.3



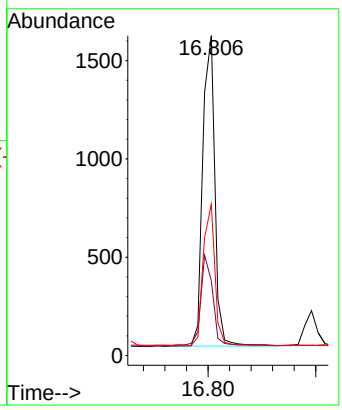


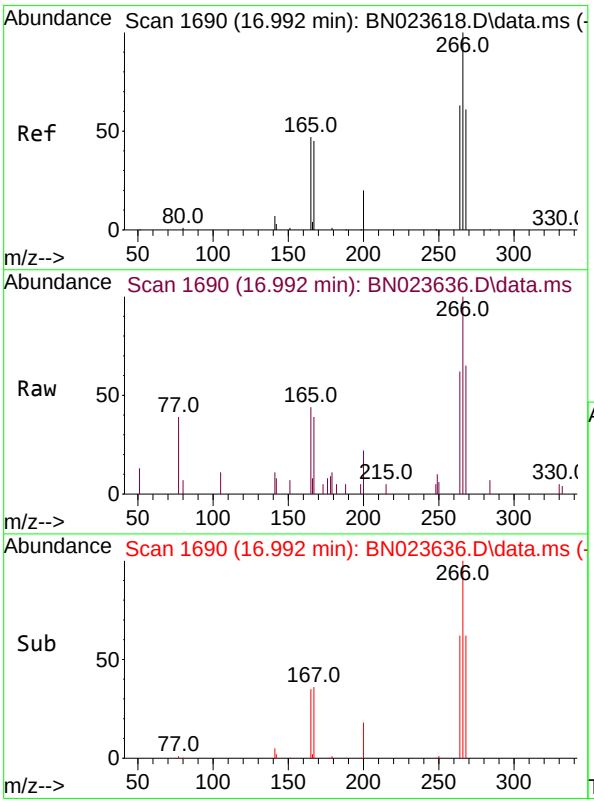
#23
Atrazine
Concen: 0.349 ng
RT: 16.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:200 Resp: 2469

Ion	Ratio	Lower	Upper
200	100		
173	23.4	20.4	30.6
215	47.3	38.1	57.1

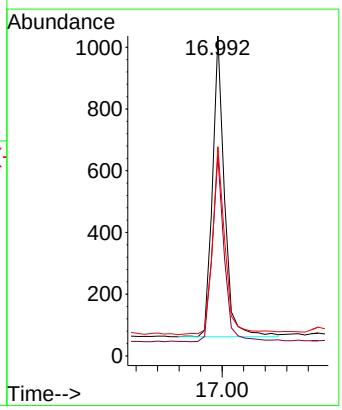


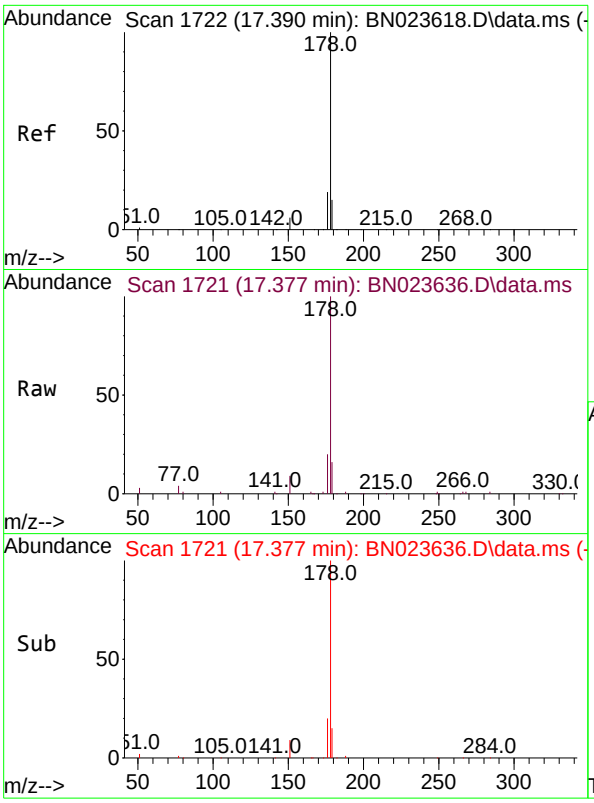


#24
Pentachlorophenol
Concen: 0.341 ng
RT: 16.992 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:266 Resp: 1511

Ion	Ratio	Lower	Upper
266	100		
264	62.5	49.7	74.5
268	67.0	49.3	73.9



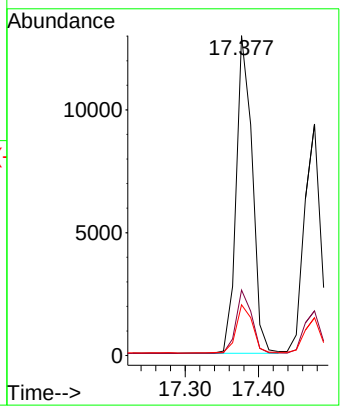


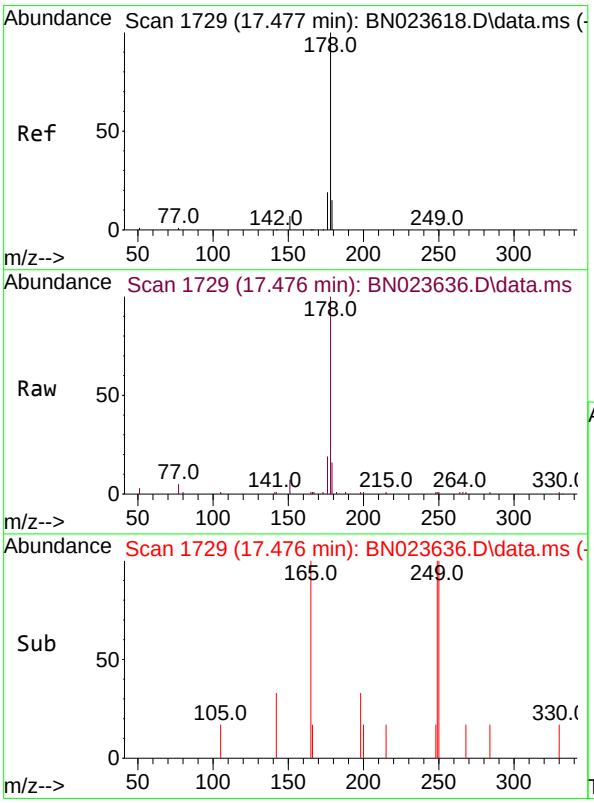
#25
Phenanthrene
Concen: 0.375 ng
RT: 17.377 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:178 Resp: 19709

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.6	12.5	18.7

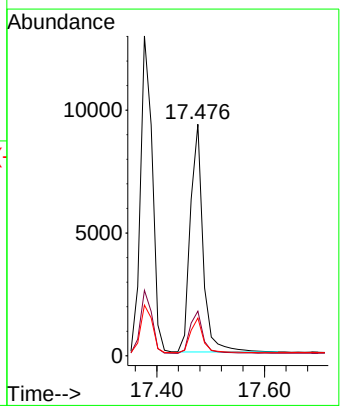


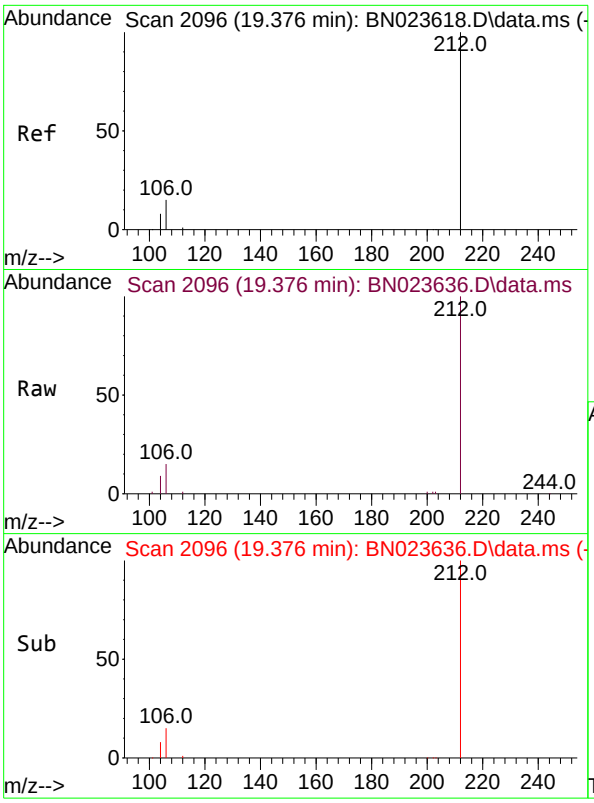


#26
Anthracene
Concen: 0.359 ng
RT: 17.476 min Scan# 1729
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:178 Resp: 15143

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.1	12.2	18.2



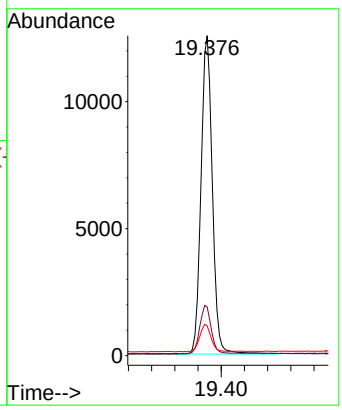


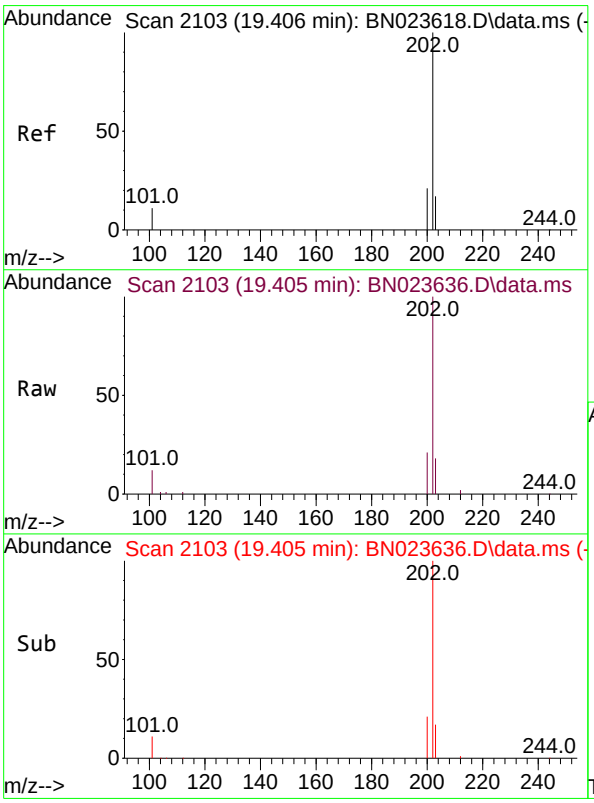
#27
Fluoranthene-d10
Concen: 0.385 ng
RT: 19.376 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:212 Resp: 16961

Ion	Ratio	Lower	Upper
212	100		
106	15.2	12.2	18.4
104	8.6	7.1	10.7

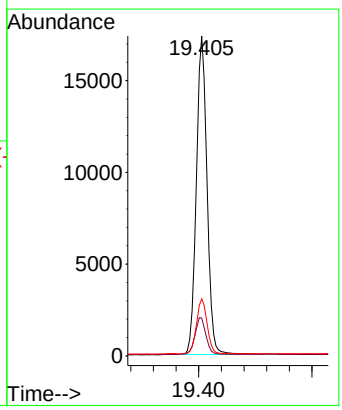


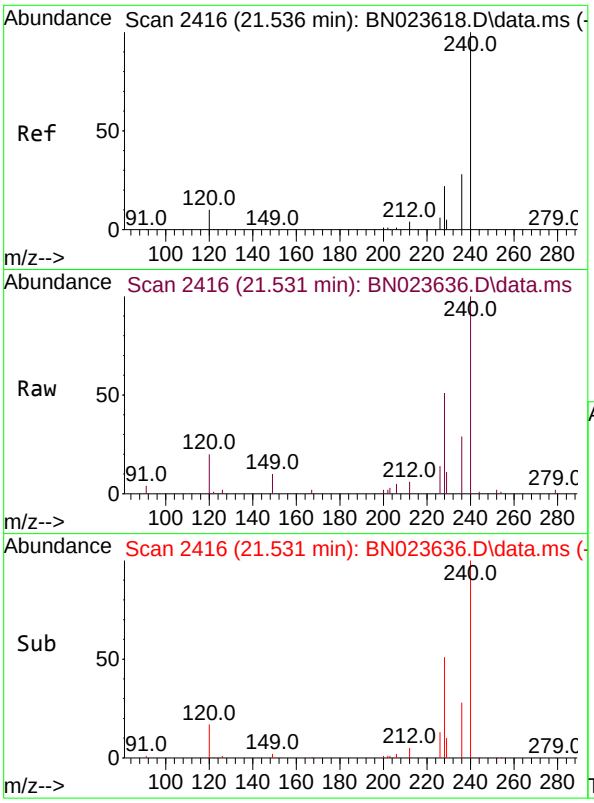


#28
Fluoranthene
Concen: 0.381 ng
RT: 19.405 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:202 Resp: 22653

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.7	14.5
203	17.1	13.8	20.6



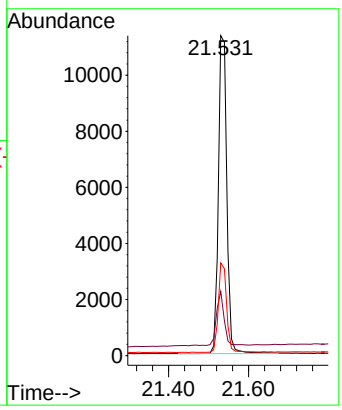


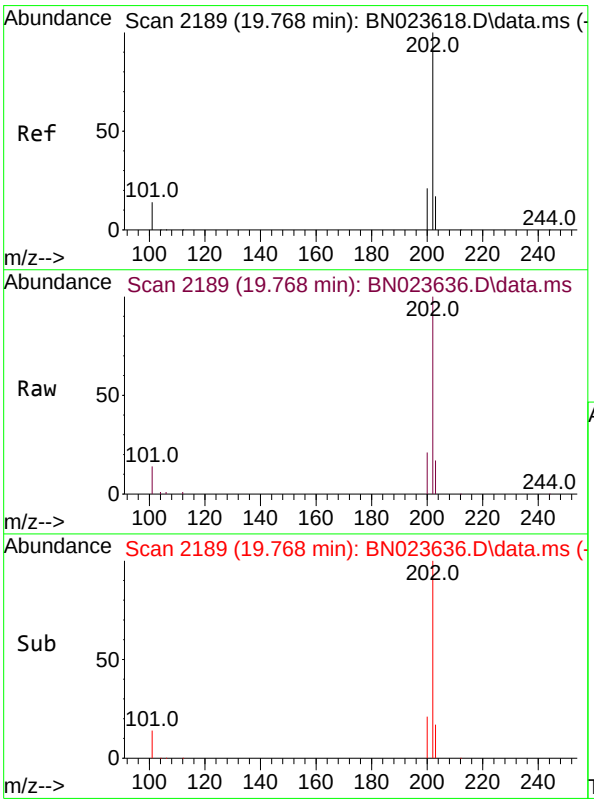
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.531 min Scan# 24
Delta R.T. -0.005 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:240 Resp: 16640

Ion	Ratio	Lower	Upper
240	100		
120	20.1	10.6	15.8#
236	29.0	23.0	34.6

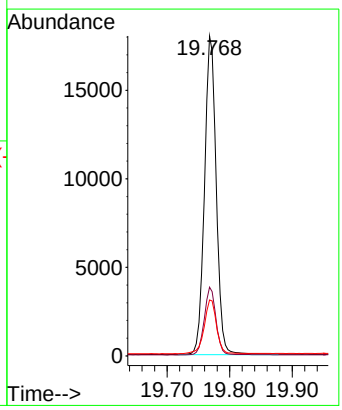


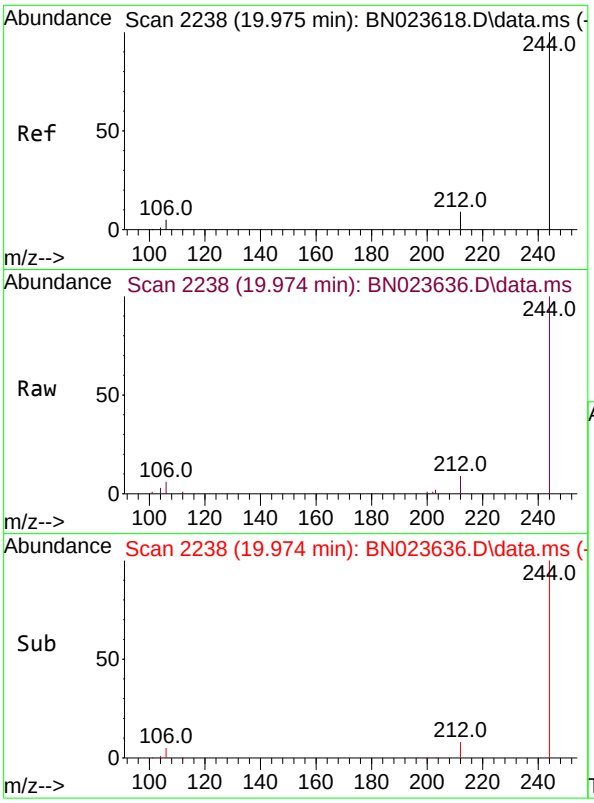


#30
Pyrene
Concen: 0.368 ng
RT: 19.768 min Scan# 2189
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:202 Resp: 23432

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.9	14.2	21.2



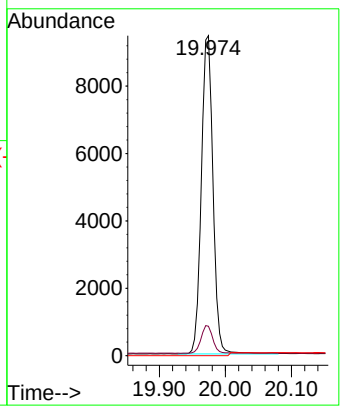


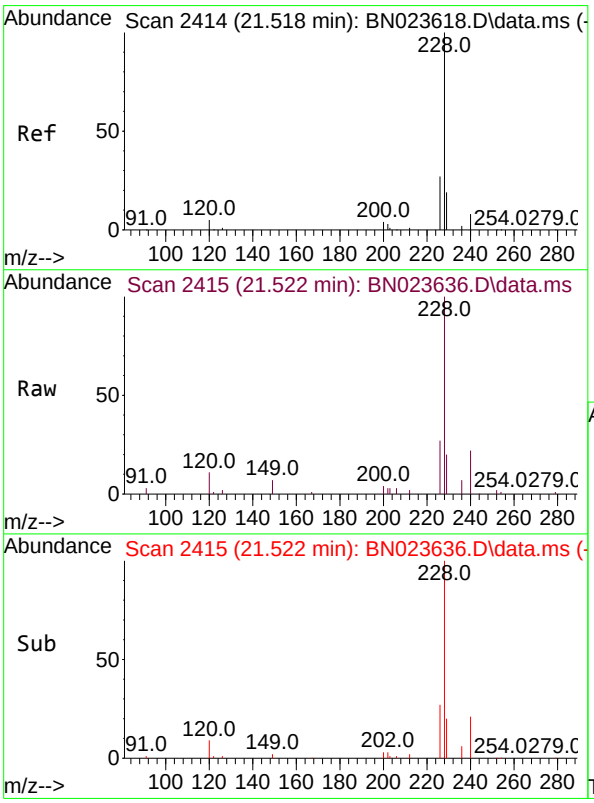
#31
Terphenyl-d14
Concen: 0.363 ng
RT: 19.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:244 Resp: 15312

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.5	11.3
122	0.0	0.0	0.0

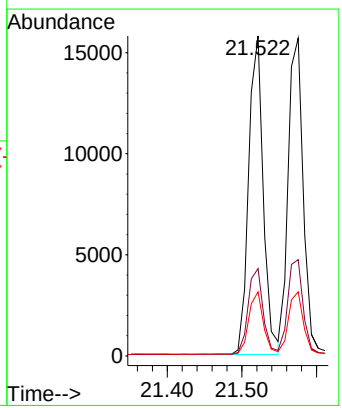


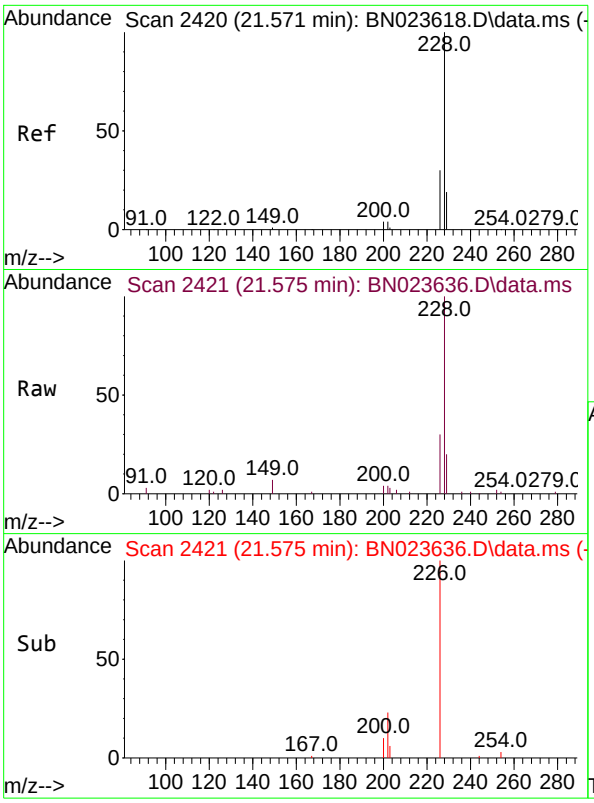


#32
Benzo(a)anthracene
Concen: 0.398 ng
RT: 21.522 min Scan# 2415
Delta R.T. 0.004 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:228 Resp: 21420

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.2
229	20.0	15.7	23.5



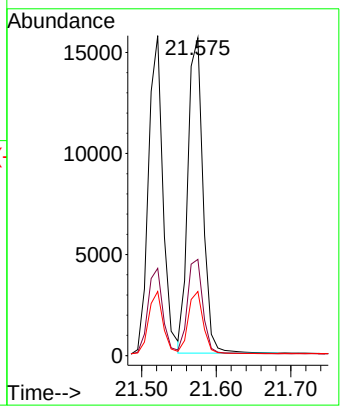


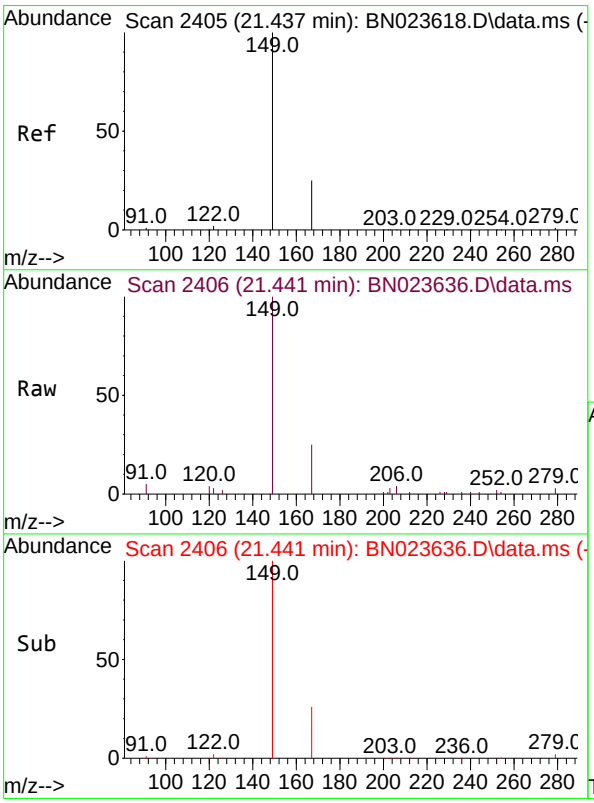
#33
Chrysene
Concen: 0.370 ng
RT: 21.575 min Scan# 24
Delta R.T. 0.004 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:228 Resp: 21950

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	20.2	15.6	23.4

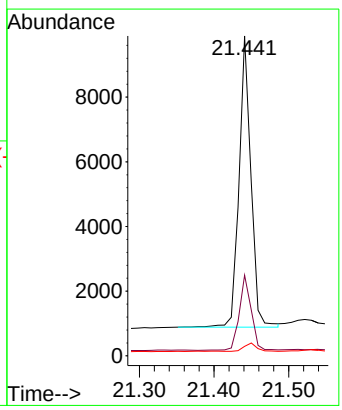


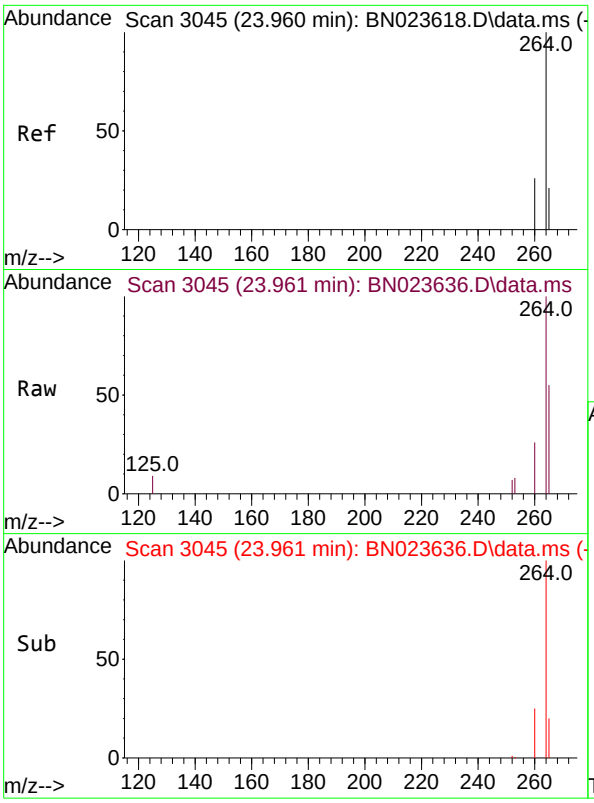


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.397 ng
RT: 21.441 min Scan# 2406
Delta R.T. 0.004 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:149 Resp: 9971

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.6	30.8
279	3.0	2.6	4.0



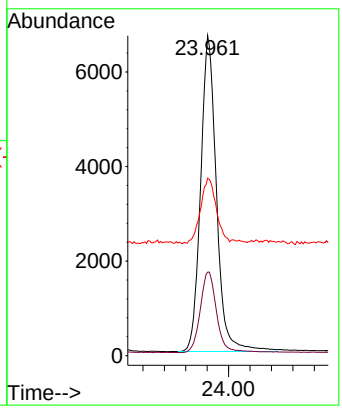


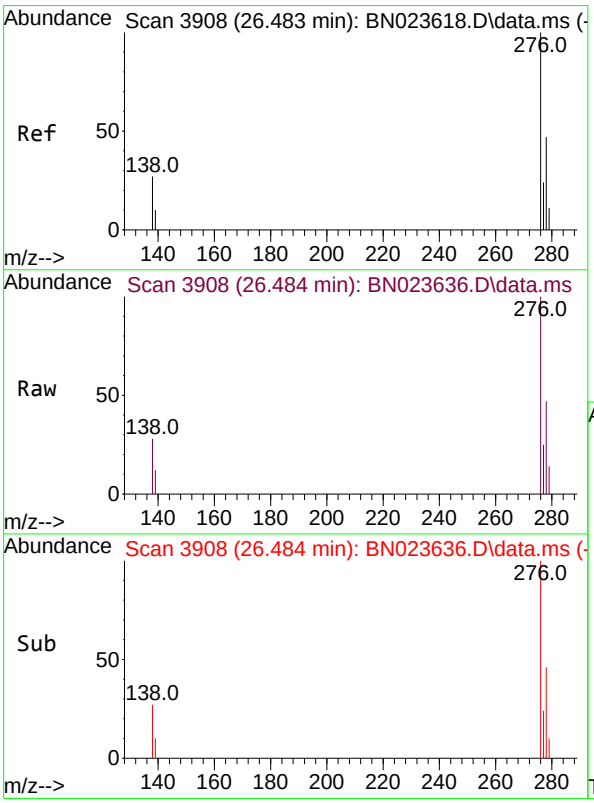
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.961 min Scan# 30
Delta R.T. 0.001 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:264 Resp: 13719

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.4	32.2
265	55.4	56.6	85.0#

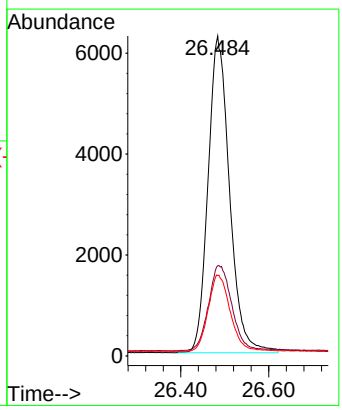


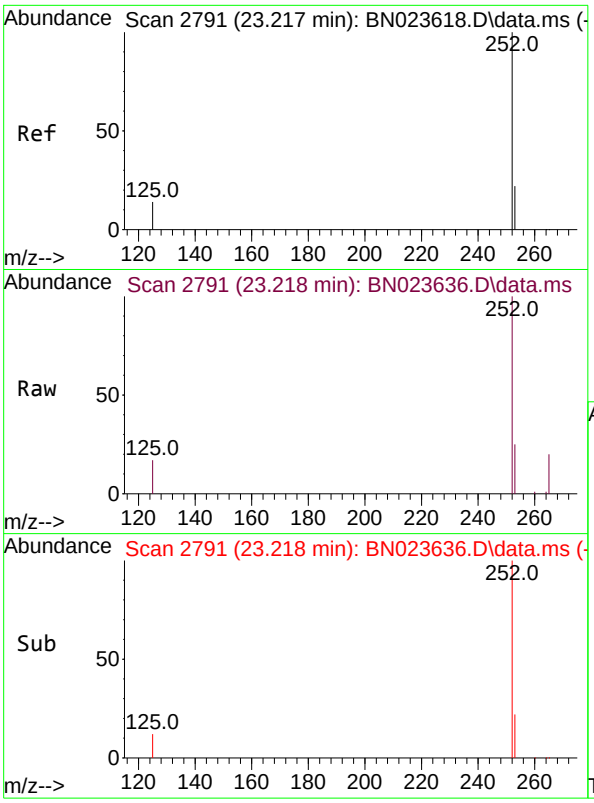


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.346 ng
RT: 26.484 min Scan# 3908
Delta R.T. 0.001 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:276 Resp: 21294

Ion	Ratio	Lower	Upper
276	100		
138	28.9	23.8	35.8
277	25.1	19.8	29.6



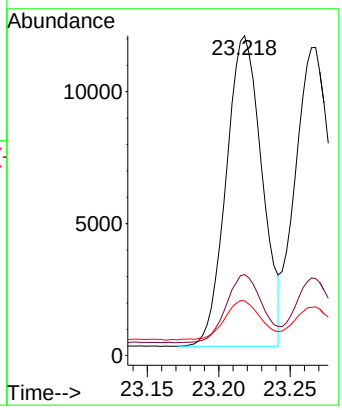


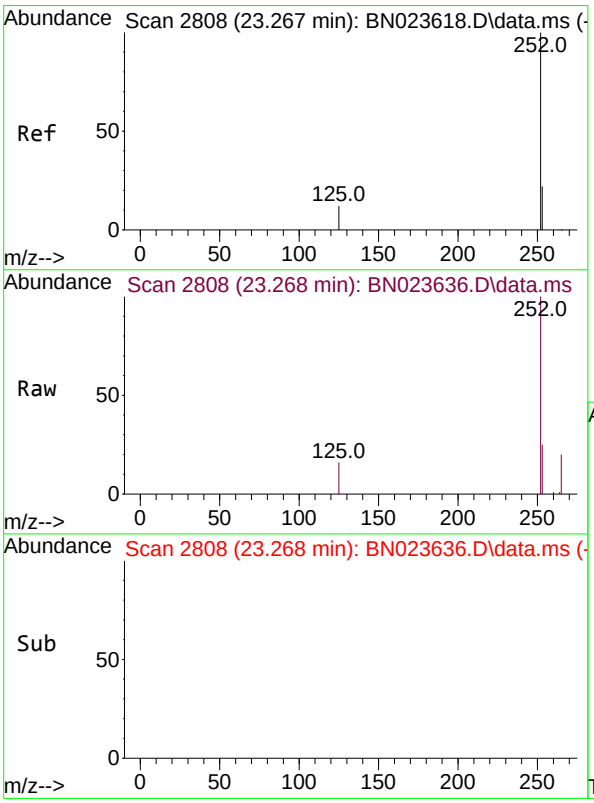
#37
Benzo(b)fluoranthene
Concen: 0.350 ng
RT: 23.218 min Scan# 2
Delta R.T. 0.001 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:252 Resp: 20505

Ion	Ratio	Lower	Upper
252	100		
253	25.3	20.0	30.0
125	17.1	14.4	21.6

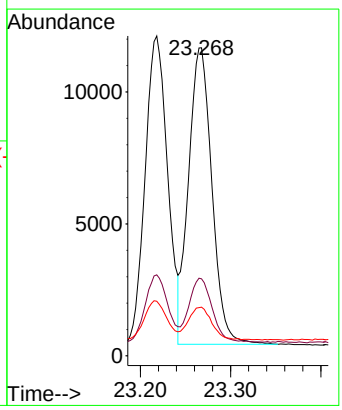


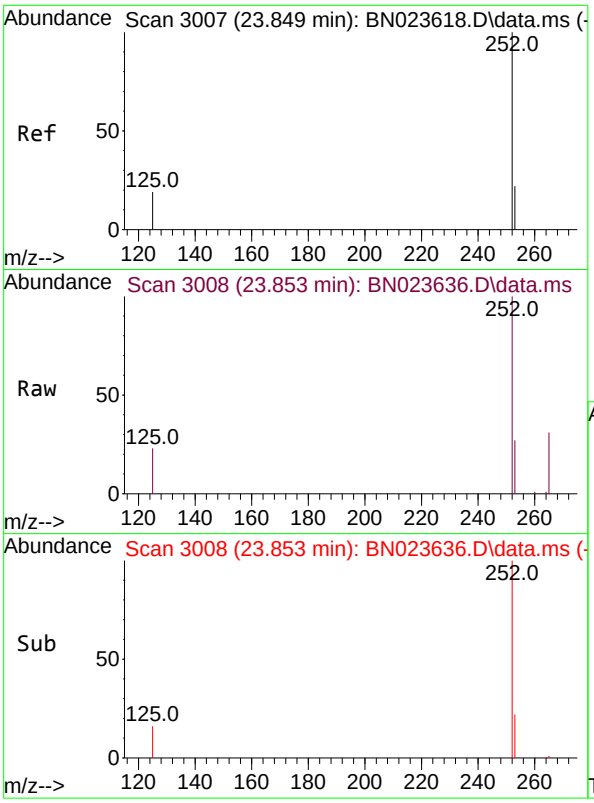


#38
Benzo(k)fluoranthene
Concen: 0.354 ng
RT: 23.268 min Scan# 2808
Delta R.T. 0.001 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:252 Resp: 20197

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.2	30.2
125	15.8	13.0	19.4



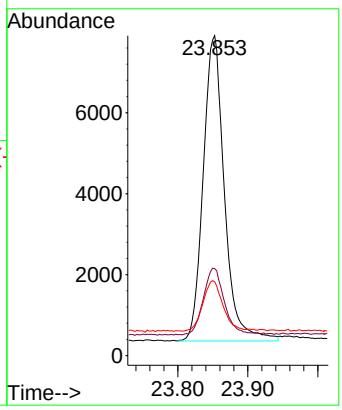


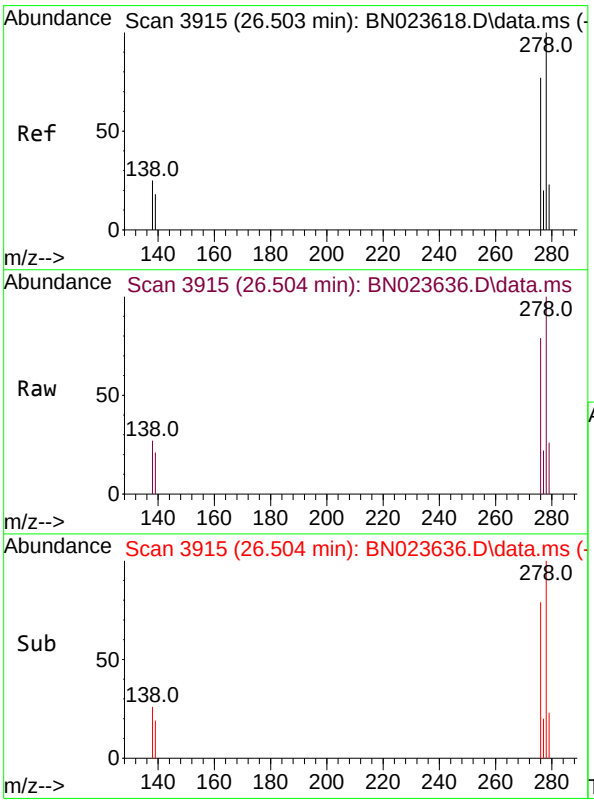
#39
Benzo(a)pyrene
Concen: 0.359 ng
RT: 23.853 min Scan# 3
Delta R.T. 0.004 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:252 Resp: 15872

Ion	Ratio	Lower	Upper
252	100		
253	27.2	22.3	33.5
125	23.1	21.2	31.8

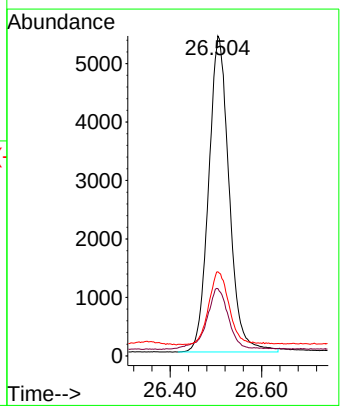


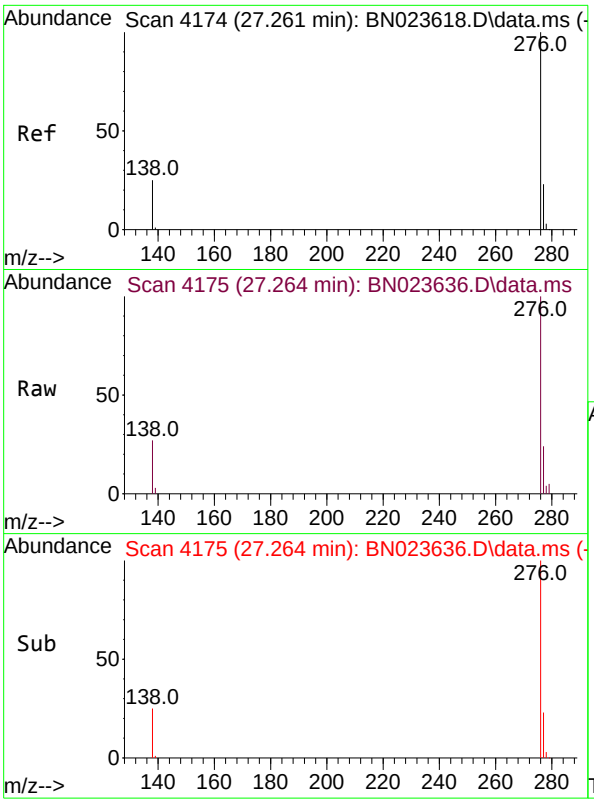


#40
Dibenzo(a,h)anthracene
Concen: 0.342 ng
RT: 26.504 min Scan# 3915
Delta R.T. 0.001 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Tgt Ion:278 Resp: 16831

Ion	Ratio	Lower	Upper
278	100		
139	21.0	16.8	25.2
279	26.3	21.5	32.3





#41
Benzo(g,h,i)perylene
Concen: 0.352 ng
RT: 27.264 min Scan# 41
Delta R.T. 0.004 min
Lab File: BN023636.D
Acq: 12 Jan 2023 09:37

Instrument :
BNA_N
ClientSampleId :
PB150174BS

Tgt Ion:276 Resp: 17719

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.6	29.4
138	26.6	21.5	32.3