Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091924\
Data File : BN034040.D
Acq On : 18 Sep 2024 18:01
Operator : JU/RC
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Quant Time: Sep 18 18:29:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 16:09:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.438	152	7441	0.400	ng	0.00
7) Naphthalene-d8	10.191	136	20648	0.400	ng	# 0.00
13) Acenaphthene-d10	14.083	164	10842	0.400	ng	0.00
19) Phenanthrene-d10	16.833	188	21730	0.400	ng	# 0.00
29) Chrysene-d12	21.062	240	13486	0.400	ng	0.00
35) Perylene-d12	23.189	264	12946	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.076	112	9341	0.442	ng	0.00
5) Phenol-d6	6.636	99	9977	0.406	ng	0.00
8) Nitrobenzene-d5	8.578	82	5636	0.357	ng	0.00
11) 2-Methylnaphthalene-d10	11.795	152	11291	0.370	ng	0.00
14) 2,4,6-Tribromophenol	15.592	330	1851	0.377	ng	0.00
15) 2-Fluorobiphenyl	12.693	172	17844	0.405	ng	0.00
27) Fluoranthene-d10	18.885	212	19215	0.350	ng	0.00
31) Terphenyl-d14	19.503	244	11191	0.415	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.083	88	3911	0.420	ng	98
3) n-Nitrosodimethylamine	3.379	42	4225	0.399	ng	# 95
6) bis(2-Chloroethyl)ether	6.881	93	8259	0.380	ng	100
9) Naphthalene	10.244	128	22158	0.391	ng	100
10) Hexachlorobutadiene	10.543	225	4339	0.406	ng	# 99
12) 2-Methylnaphthalene	11.871	142	13664	0.371	ng	98
16) Acenaphthylene	13.794	152	17256	0.372	ng	99
17) Acenaphthene	14.147	154	13226	0.397	ng	100
18) Fluorene	15.141	166	16560	0.379	ng	100
20) 4,6-Dinitro-2-methylph...	15.238	198	936	0.370	ng	85
21) 4-Bromophenyl-phenylether	16.051	248	4712	0.386	ng	94
22) Hexachlorobenzene	16.150	284	5733	0.419	ng	100
23) Atrazine	16.337	200	3719	0.367	ng	97
24) Pentachlorophenol	16.498	266	1746	0.386	ng	99
25) Phenanthrene	16.883	178	24279	0.389	ng	100
26) Anthracene	16.970	178	18267	0.359	ng	100
28) Fluoranthene	18.913	202	25109	0.347	ng	100
30) Pyrene	19.280	202	25618	0.450	ng	100
32) Benzo(a)anthracene	21.044	228	15786	0.370	ng	100
33) Chrysene	21.098	228	20535	0.403	ng	99
34) Bis(2-ethylhexyl)phtha...	21.008	149	6532	0.368	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.279	276	22278	0.402	ng	99
37) Benzo(b)fluoranthene	22.563	252	19554	0.386	ng	95
38) Benzo(k)fluoranthene	22.604	252	21903	0.411	ng	97
39) Benzo(a)pyrene	23.098	252	15991	0.387	ng	94
40) Dibenzo(a,h)anthracene	25.297	278	17016	0.395	ng	97
41) Benzo(g,h,i)perylene	25.911	276	19666	0.406	ng	100

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

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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 16:09:28 2024
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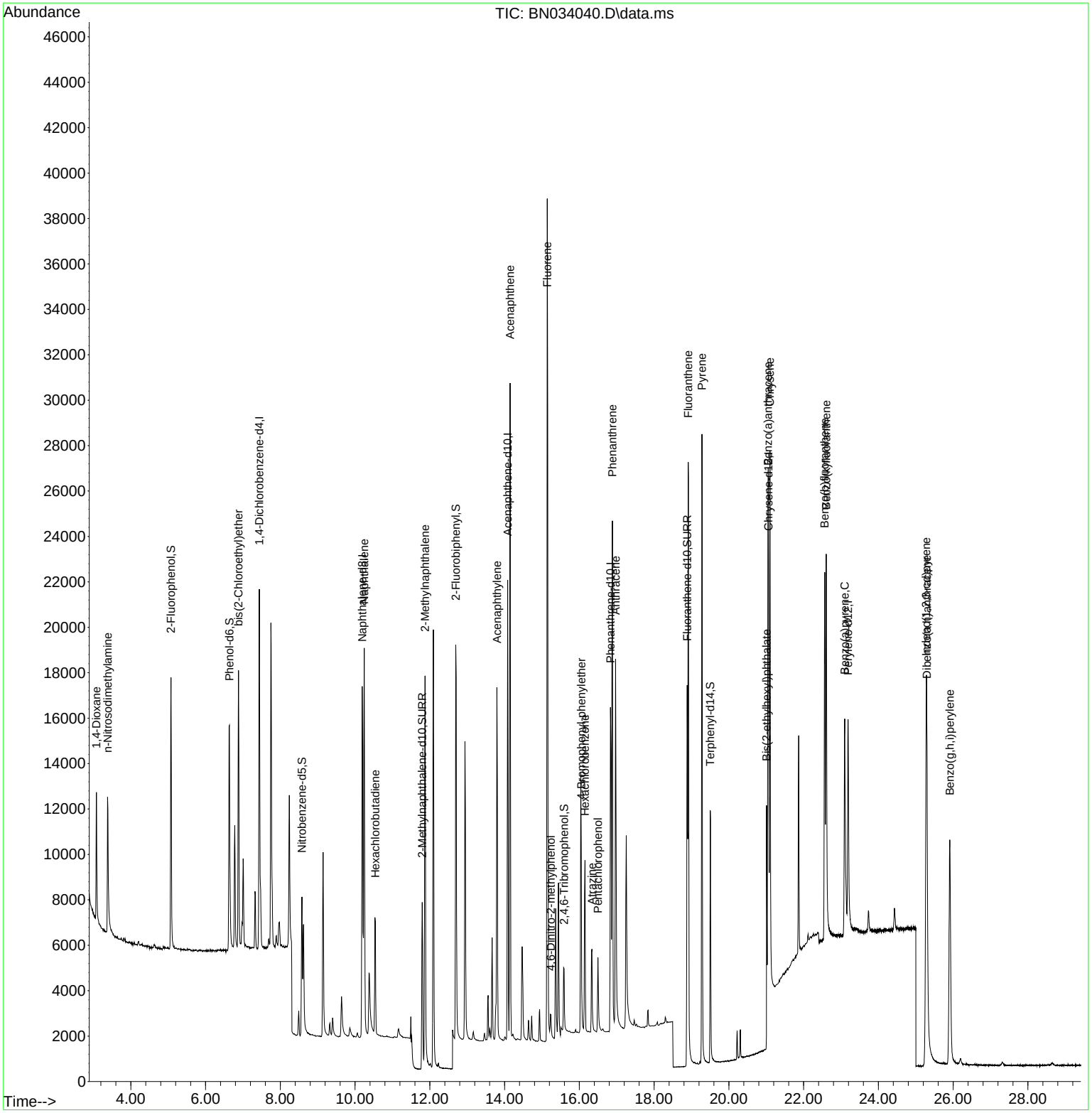
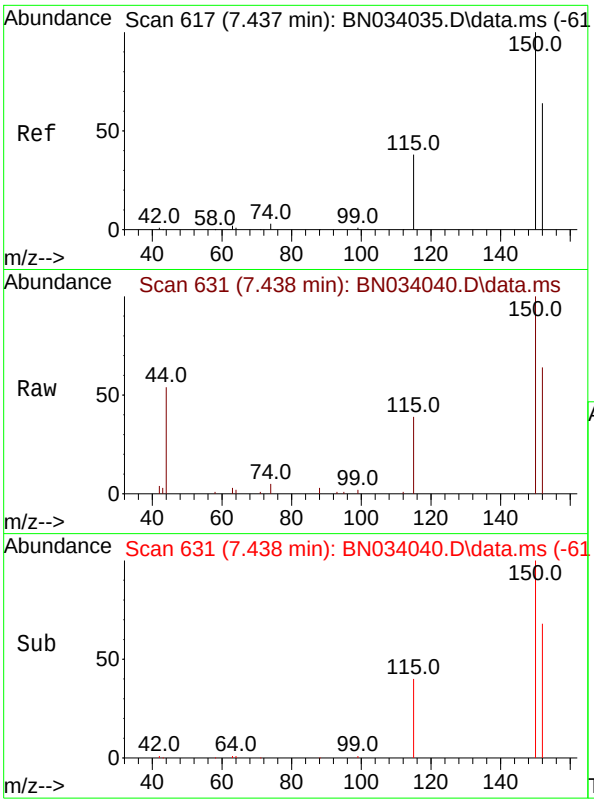


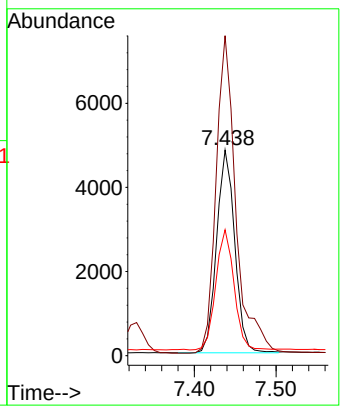


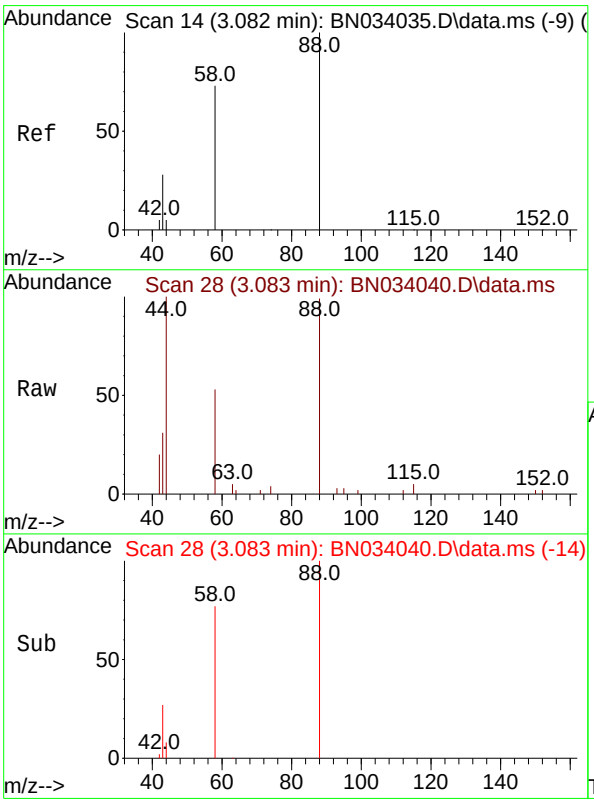
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.438 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:152 Resp: 7441

Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	187.0
115	61.2	50.0	75.0

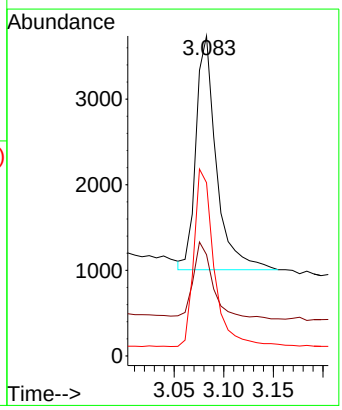


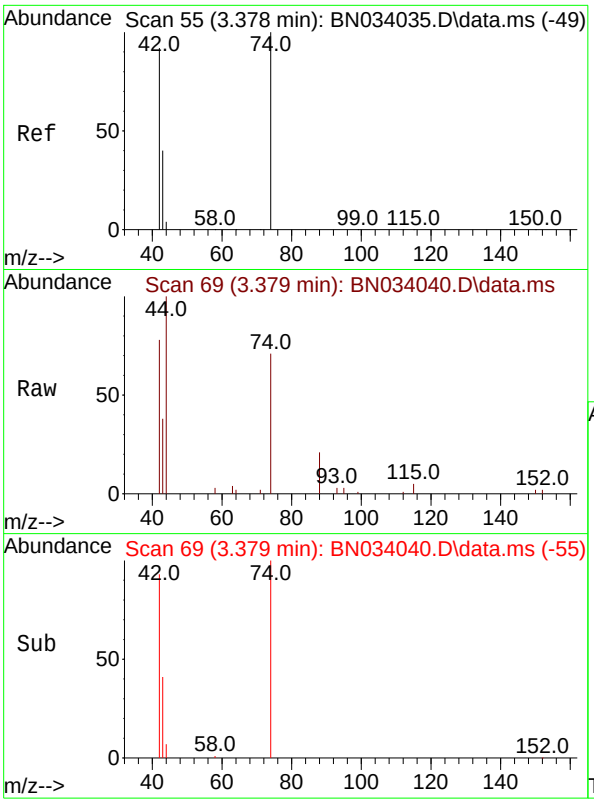


#2
1,4-Dioxane
Concen: 0.420 ng
RT: 3.083 min Scan# 28
Delta R.T. 0.001 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion: 88 Resp: 3911

Ion	Ratio	Lower	Upper
88	100		
43	32.2	25.8	38.8
58	75.5	58.8	88.2



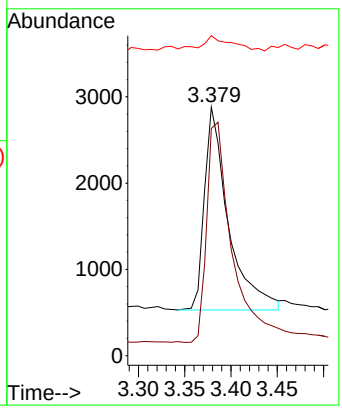


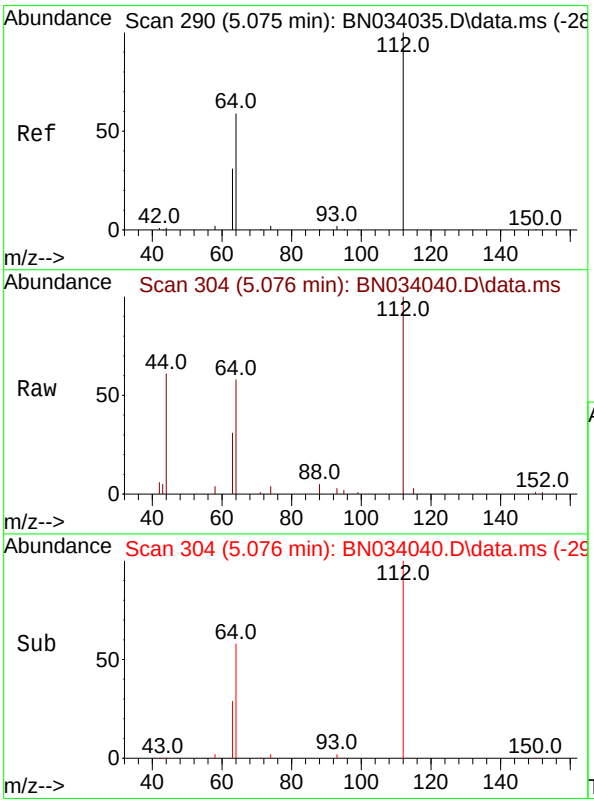
#3
n-Nitrosodimethylamine
Concen: 0.399 ng
RT: 3.379 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion: 42 Resp: 4225

Ion	Ratio	Lower	Upper
42	100		
74	115.0	94.6	142.0
44	8.1	12.4	18.6#

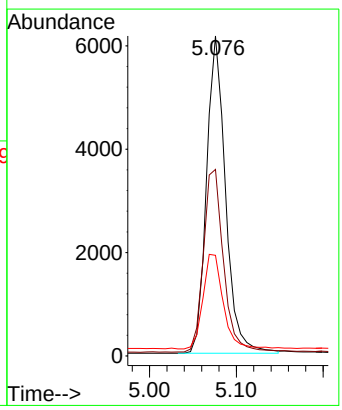


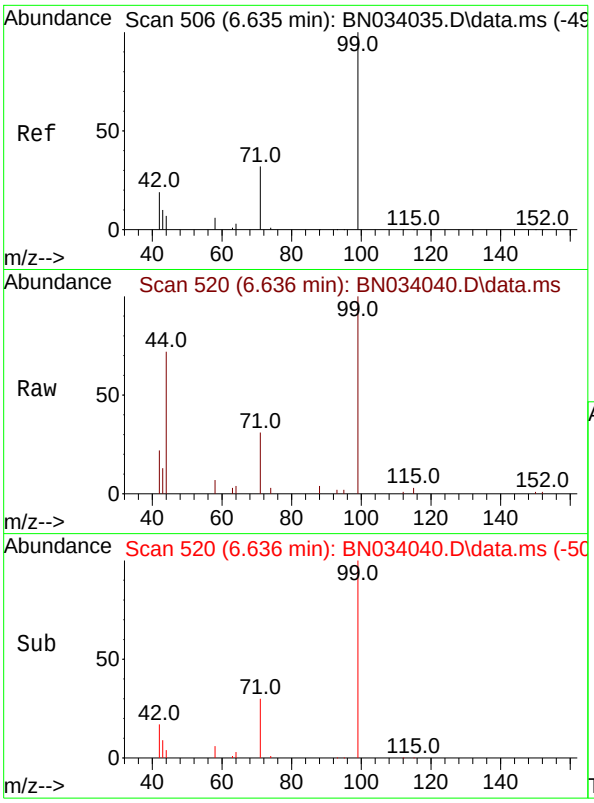


#4
2-Fluorophenol
Concen: 0.442 ng
RT: 5.076 min Scan# 304
Delta R.T. 0.001 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:112 Resp: 9341

Ion	Ratio	Lower	Upper
112	100		
64	60.9	48.6	72.8
63	31.8	25.6	38.4



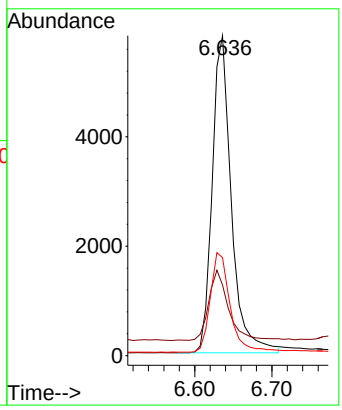


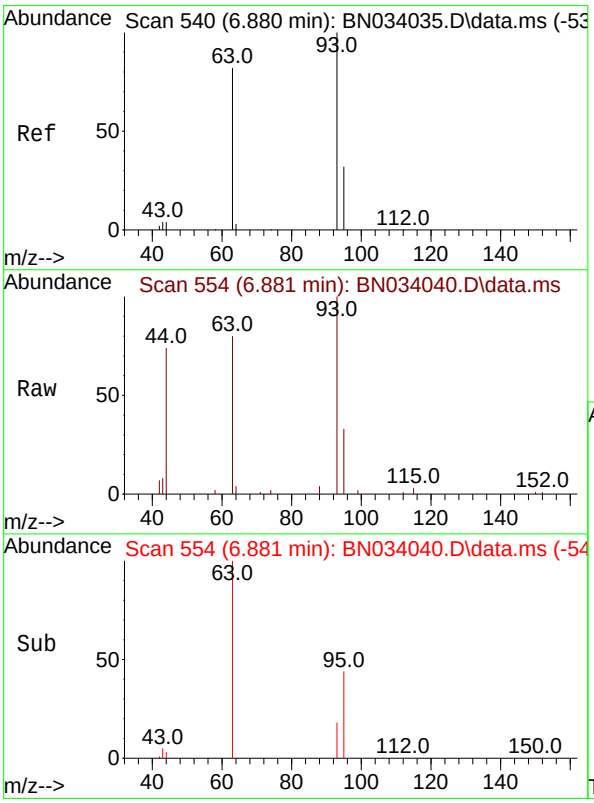
#5
Phenol-d6
Concen: 0.406 ng
RT: 6.636 min Scan# 5
Delta R.T. 0.001 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion: 99 Resp: 9977

Ion	Ratio	Lower	Upper
99	100		
42	22.8	17.8	26.8
71	32.8	26.2	39.2

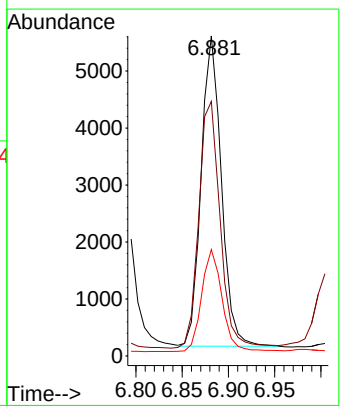


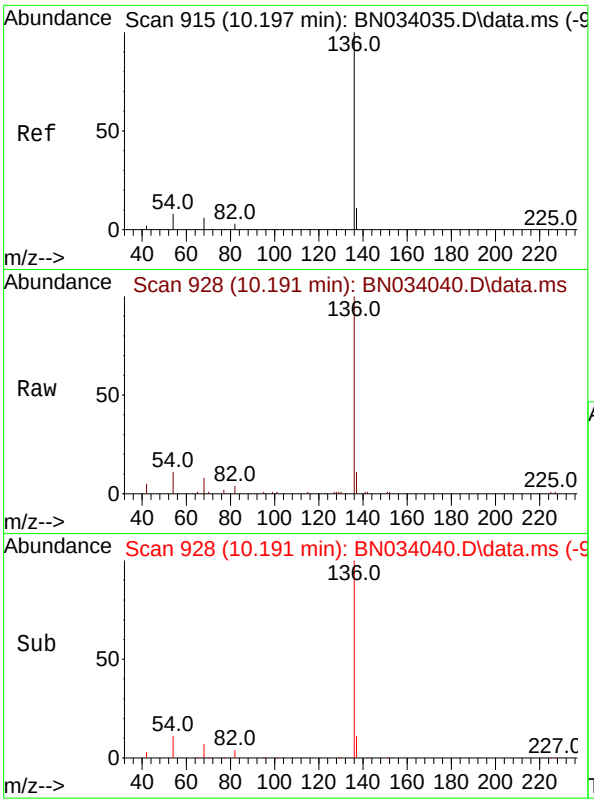


#6
bis(2-Chloroethyl)ether
Concen: 0.380 ng
RT: 6.881 min Scan# 554
Delta R.T. 0.001 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion: 93 Resp: 8259

Ion	Ratio	Lower	Upper
93	100		
63	84.3	67.3	100.9
95	33.4	26.8	40.2



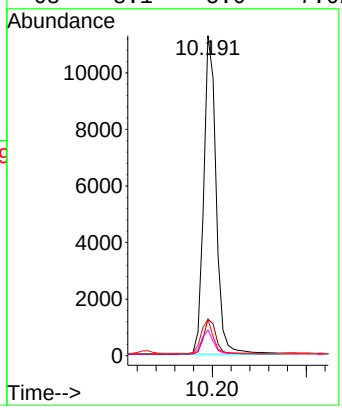


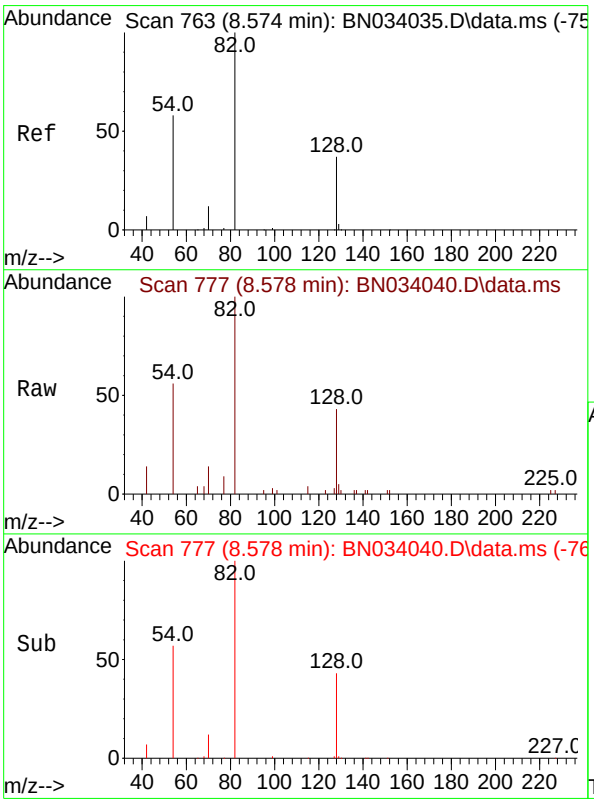
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.191 min Scan# 9
Delta R.T. -0.006 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:136 Resp: 20648

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	11.4	6.8	10.2#
68	8.1	5.0	7.6#

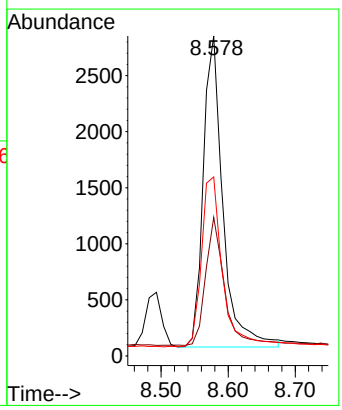


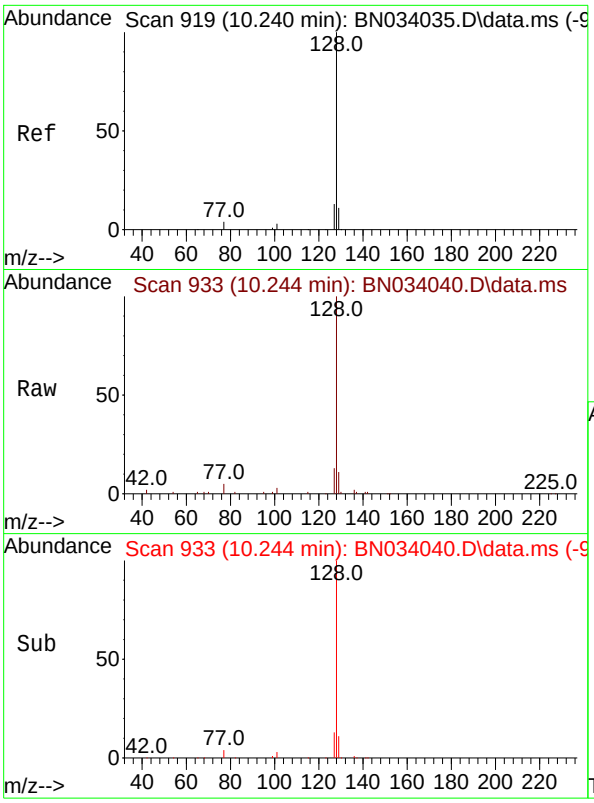


#8
Nitrobenzene-d5
Concen: 0.357 ng
RT: 8.578 min Scan# 777
Delta R.T. 0.004 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion: 82 Resp: 5636

Ion	Ratio	Lower	Upper
82	100		
128	43.3	31.4	47.2
54	55.9	47.4	71.0



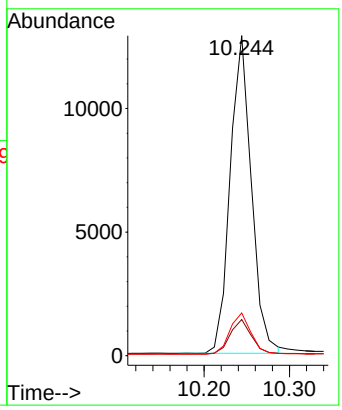


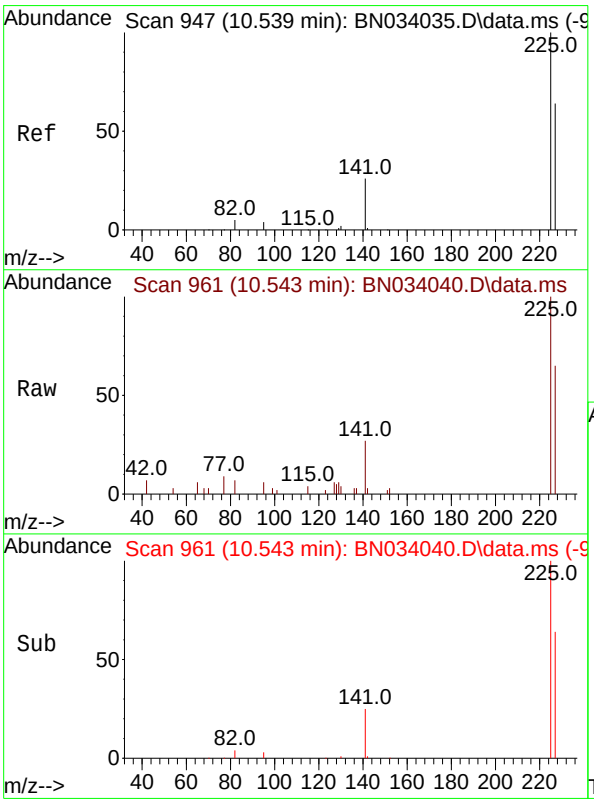
#9
Naphthalene
Concen: 0.391 ng
RT: 10.244 min Scan# 9
Delta R.T. 0.004 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:128 Resp: 22158

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.3	10.7	16.1

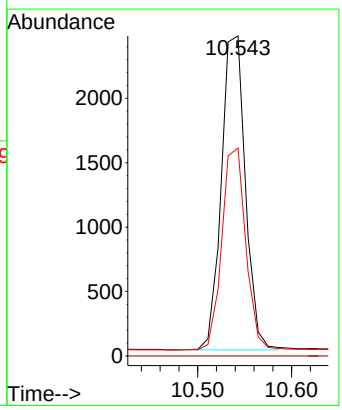


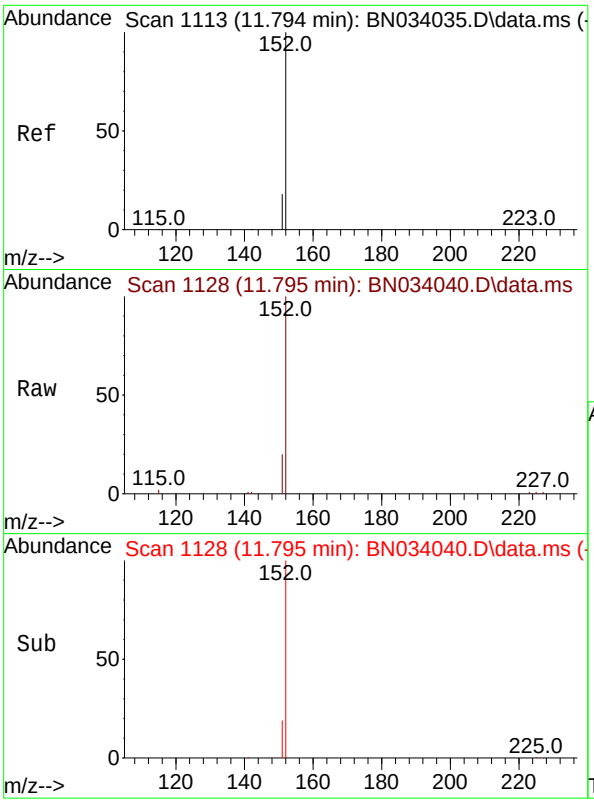


#10
Hexachlorobutadiene
Concen: 0.406 ng
RT: 10.543 min Scan# 961
Delta R.T. 0.004 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:225 Resp: 4339

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.5	75.7



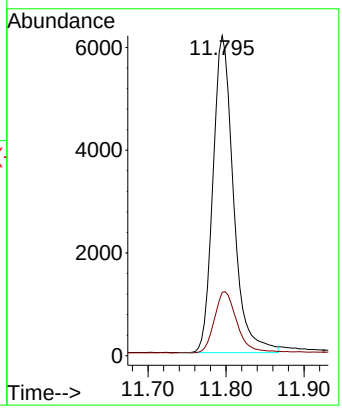


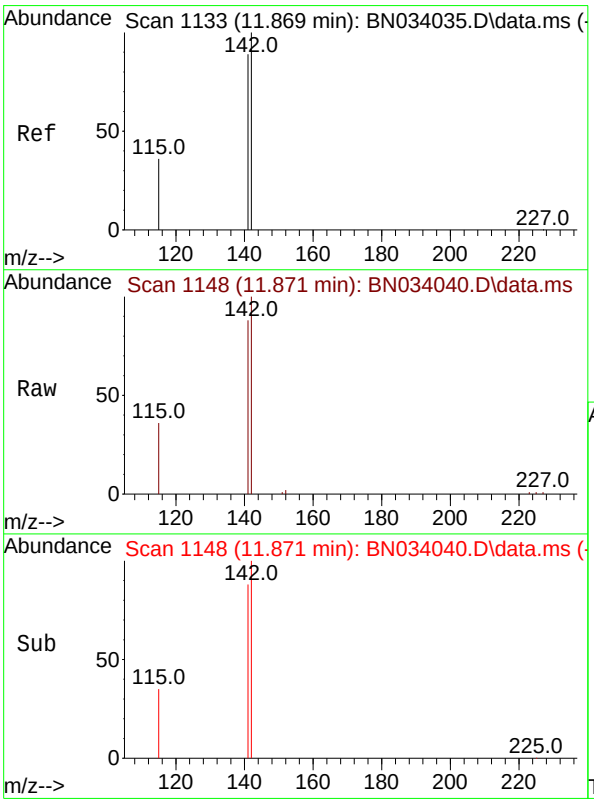
#11
2-Methylnaphthalene-d10
Concen: 0.370 ng
RT: 11.795 min Scan# 11
Delta R.T. 0.001 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:152 Resp: 11291

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.8	25.2

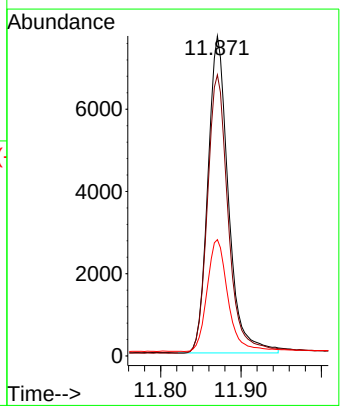


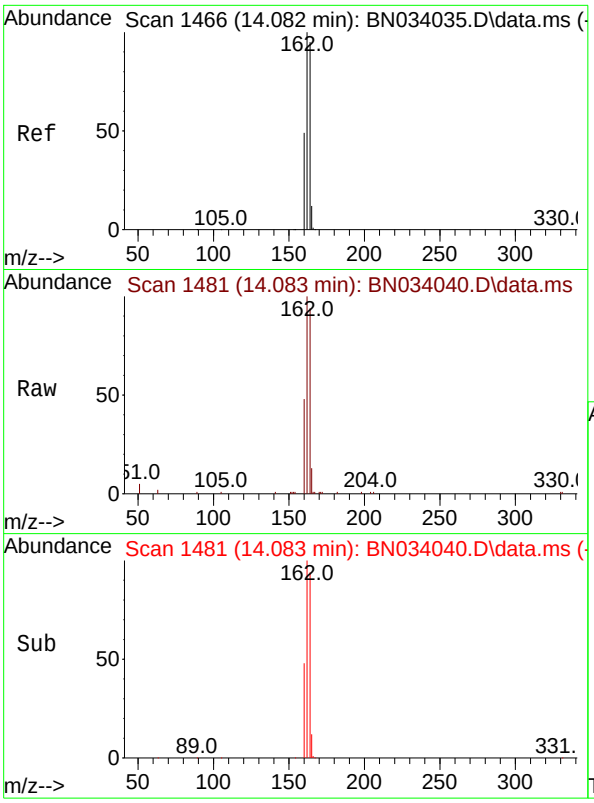


#12
2-Methylnaphthalene
Concen: 0.371 ng
RT: 11.871 min Scan# 1148
Delta R.T. 0.001 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:142 Resp: 13664

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.6	107.4
115	36.4	30.0	45.0



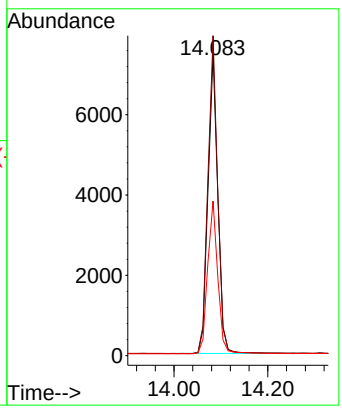


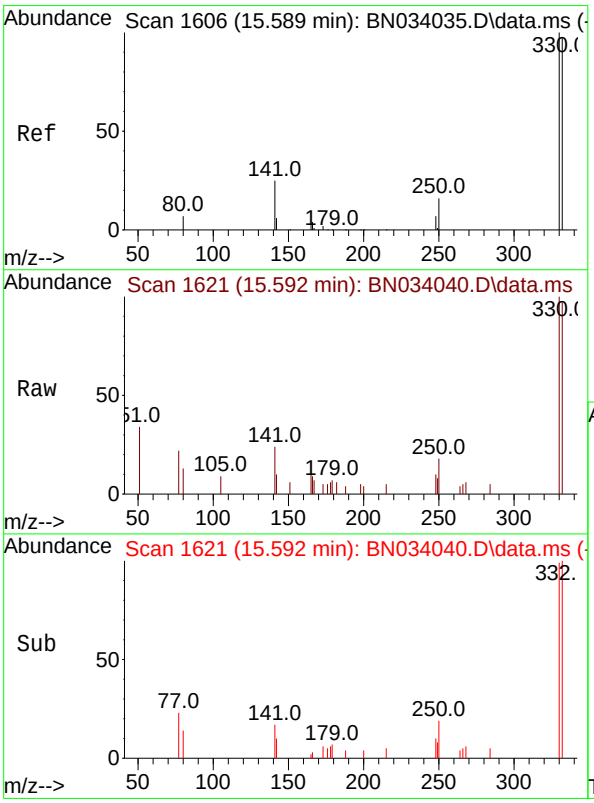
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.083 min Scan# 14
Delta R.T. 0.001 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:164 Resp: 10842

Ion	Ratio	Lower	Upper
164	100		
162	105.9	84.2	126.2
160	51.2	41.7	62.5

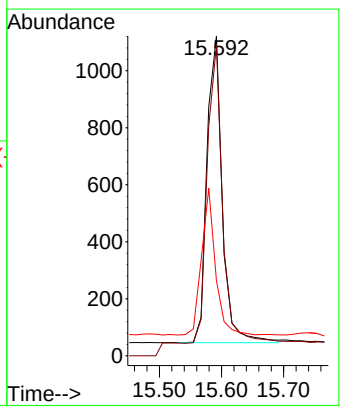


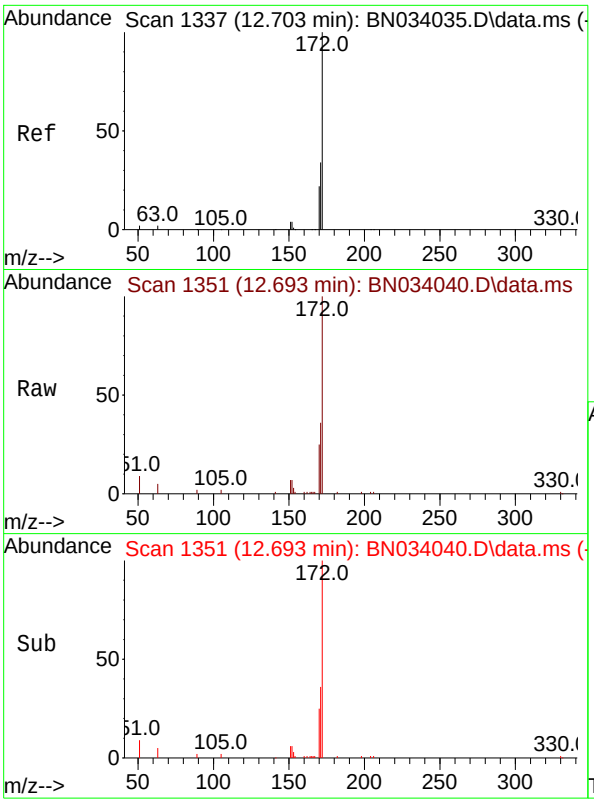


#14
2,4,6-Tribromophenol
Concen: 0.377 ng
RT: 15.592 min Scan# 1621
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:330 Resp: 1851

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	43.4	35.9	53.9



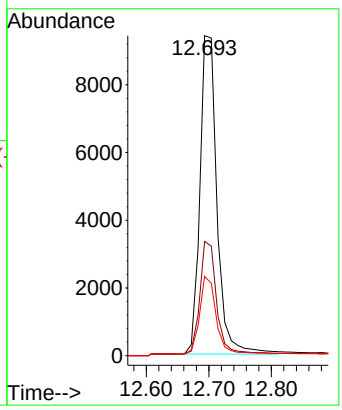


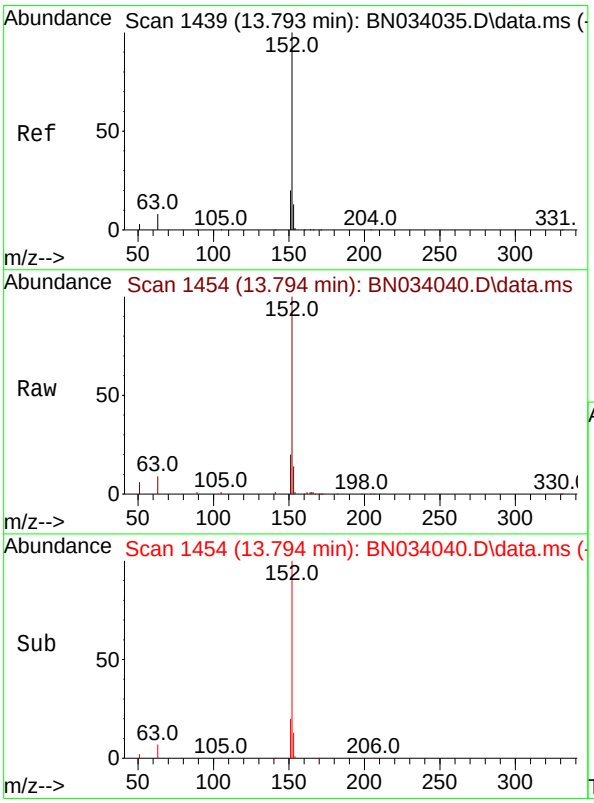
#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 12.693 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:172 Resp: 17844

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.3	40.9
170	24.8	18.1	27.1

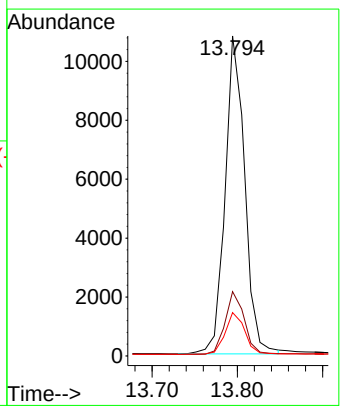


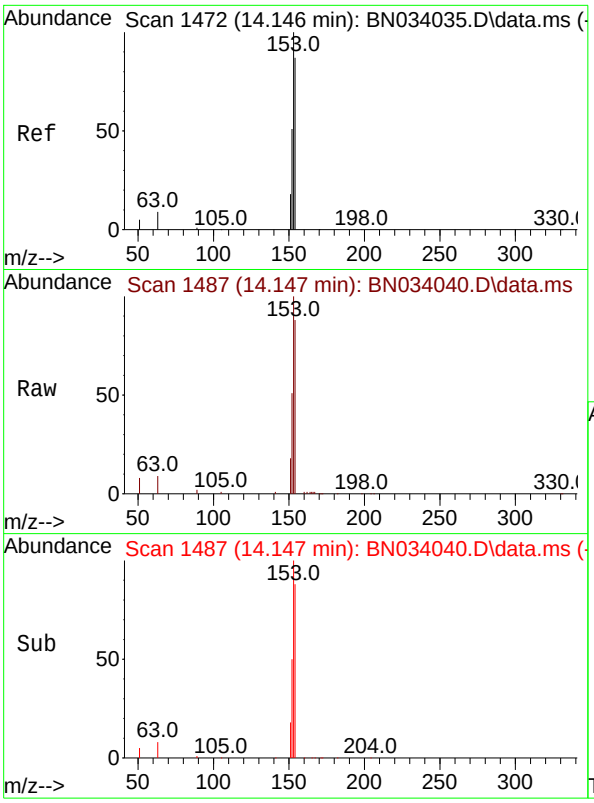


#16
Acenaphthylene
Concen: 0.372 ng
RT: 13.794 min Scan# 1454
Delta R.T. 0.001 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:152 Resp: 17256

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.6	23.4
153	13.1	10.3	15.5



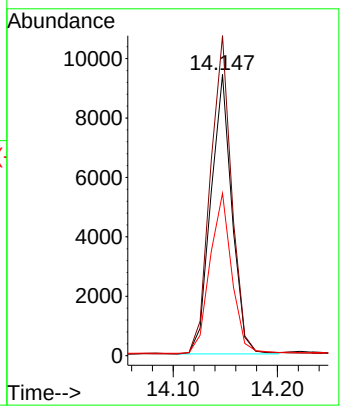


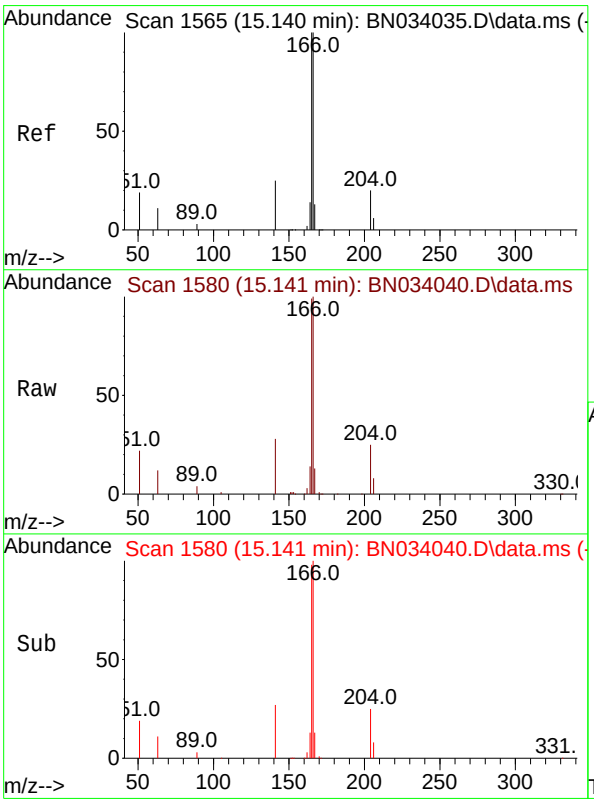
#17
Acenaphthene
Concen: 0.397 ng
RT: 14.147 min Scan# 14
Delta R.T. 0.001 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:154 Resp: 13226

Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.6	137.4
152	59.0	47.4	71.2

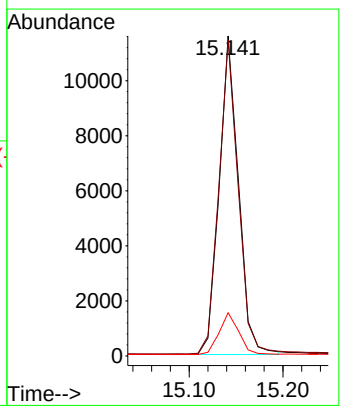


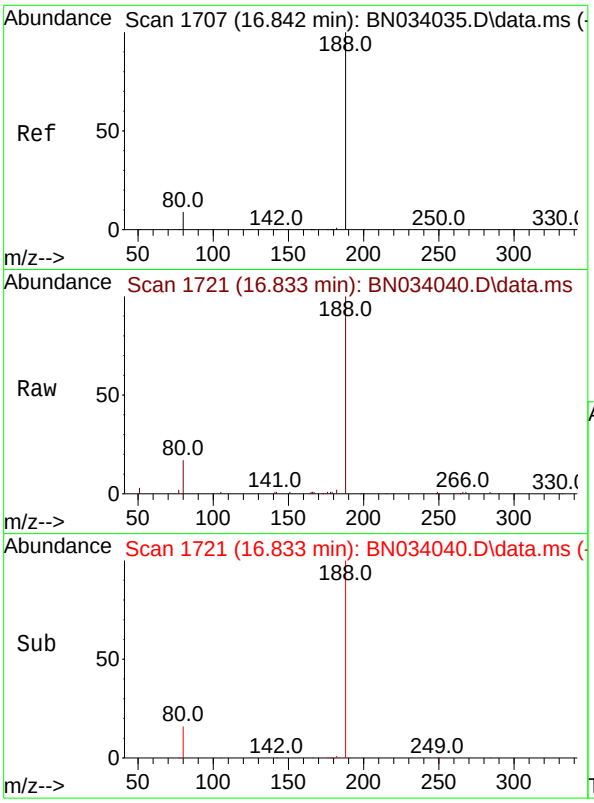


#18
Fluorene
Concen: 0.379 ng
RT: 15.141 min Scan# 1580
Delta R.T. 0.001 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:166 Resp: 16560

Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.1	118.7
167	13.3	10.6	15.8



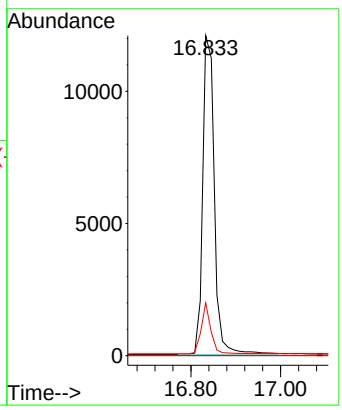


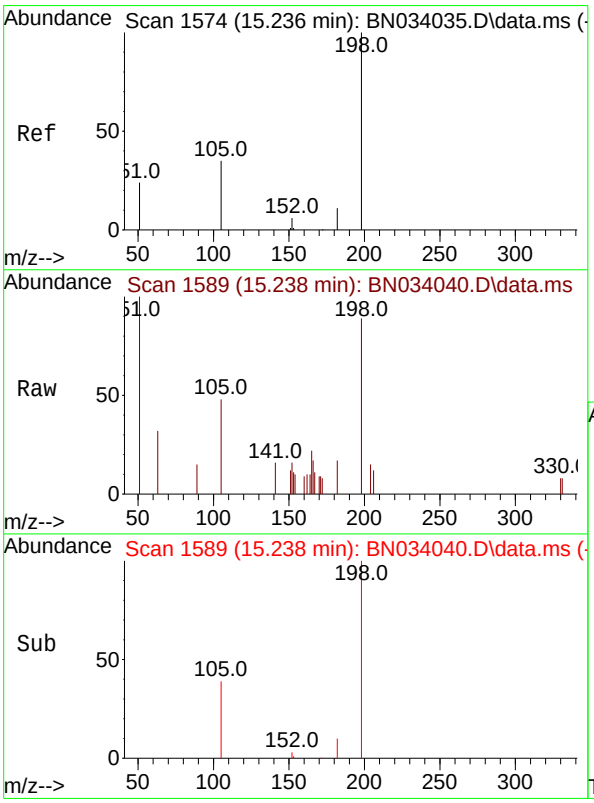
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.833 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:188 Resp: 21730

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	16.5	7.4	11.0#

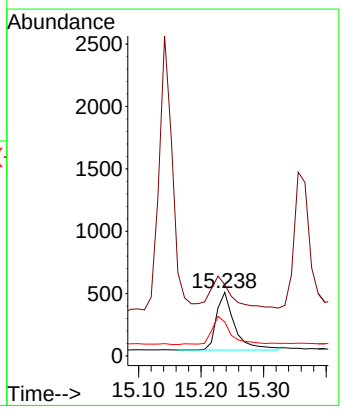


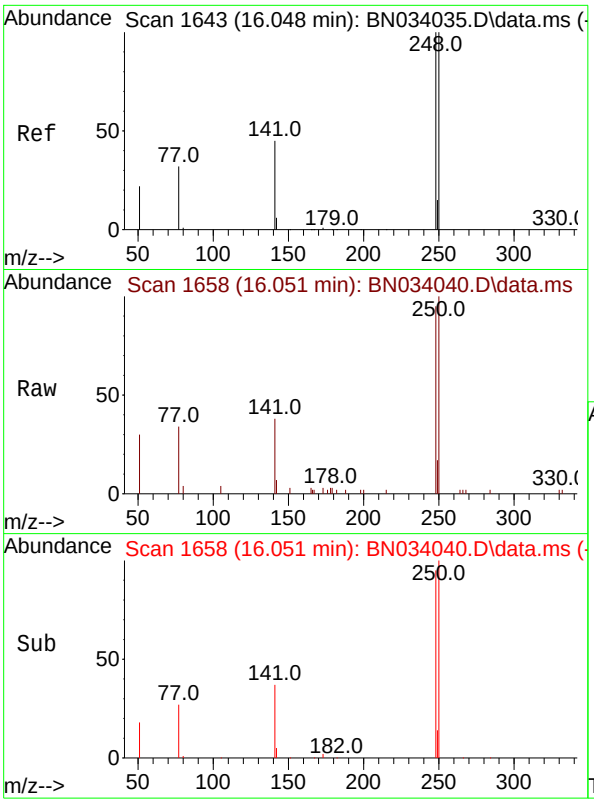


#20
4,6-Dinitro-2-methylphenol
Concen: 0.370 ng
RT: 15.238 min Scan# 1589
Delta R.T. 0.002 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:198 Resp: 936

Ion	Ratio	Lower	Upper
198	100		
51	112.4	106.4	159.6
105	53.6	38.5	57.7



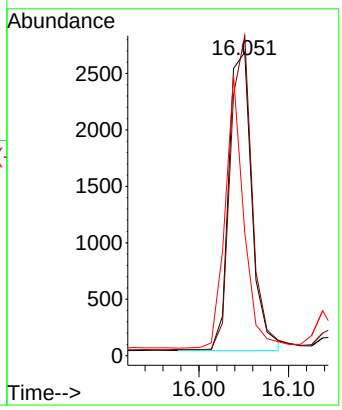


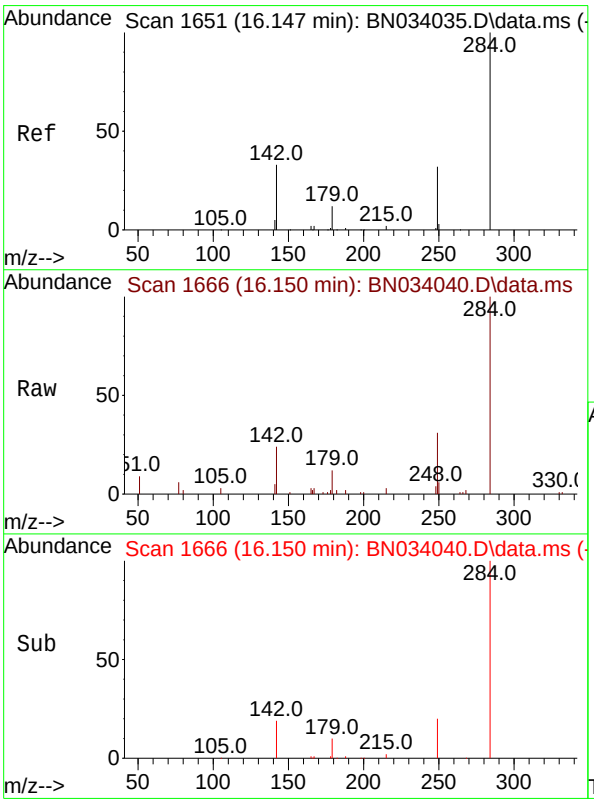
#21
4-Bromophenyl-phenylether
Concen: 0.386 ng
RT: 16.051 min Scan# 1
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:248 Resp: 4712

Ion	Ratio	Lower	Upper
248	100		
250	105.5	80.5	120.7
141	40.6	37.1	55.7

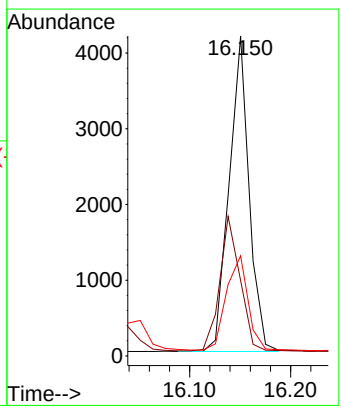


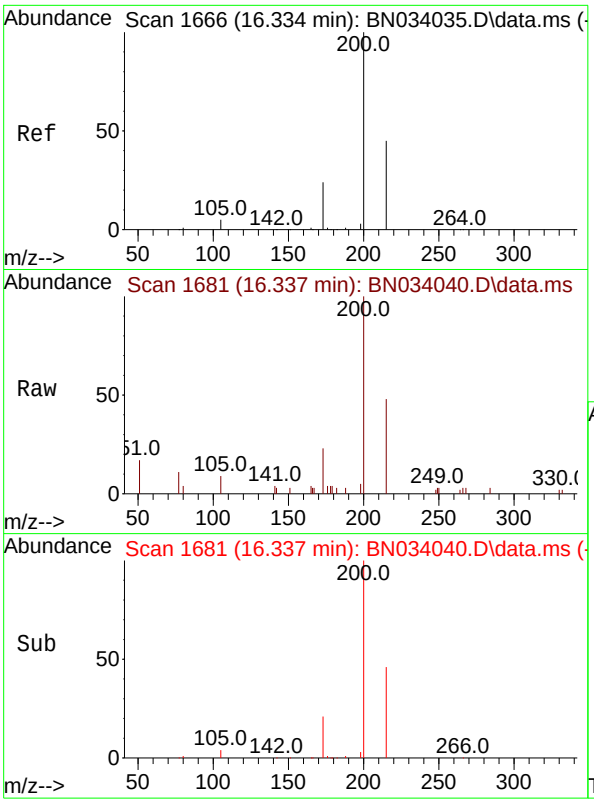


#22
Hexachlorobenzene
Concen: 0.419 ng
RT: 16.150 min Scan# 1666
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:284 Resp: 5733

Ion	Ratio	Lower	Upper
284	100		
142	43.0	34.5	51.7
249	32.2	25.8	38.6



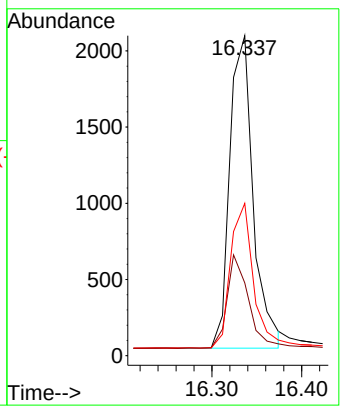


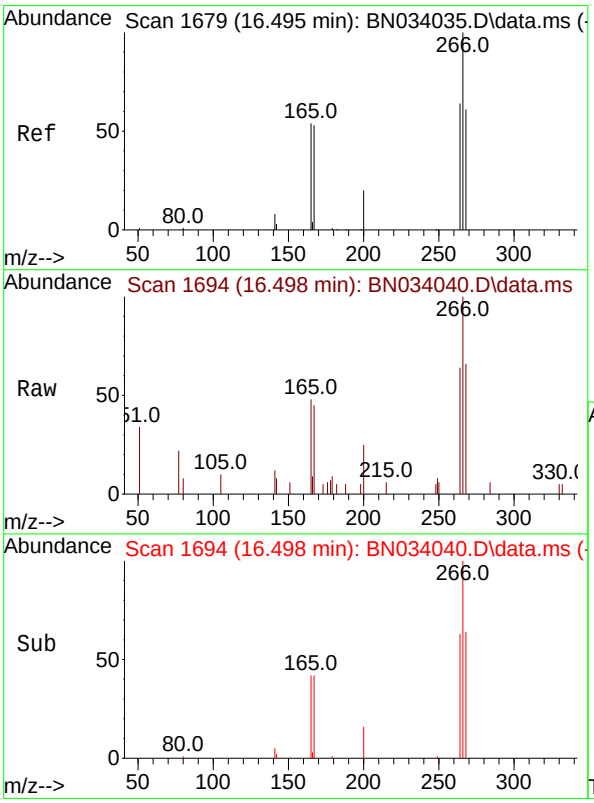
#23
Atrazine
Concen: 0.367 ng
RT: 16.337 min Scan# 1
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:200 Resp: 3719

Ion	Ratio	Lower	Upper
200	100		
173	22.8	20.1	30.1
215	47.6	37.0	55.6

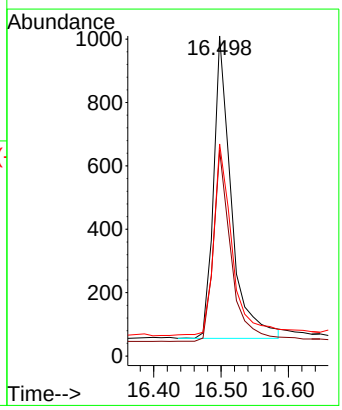


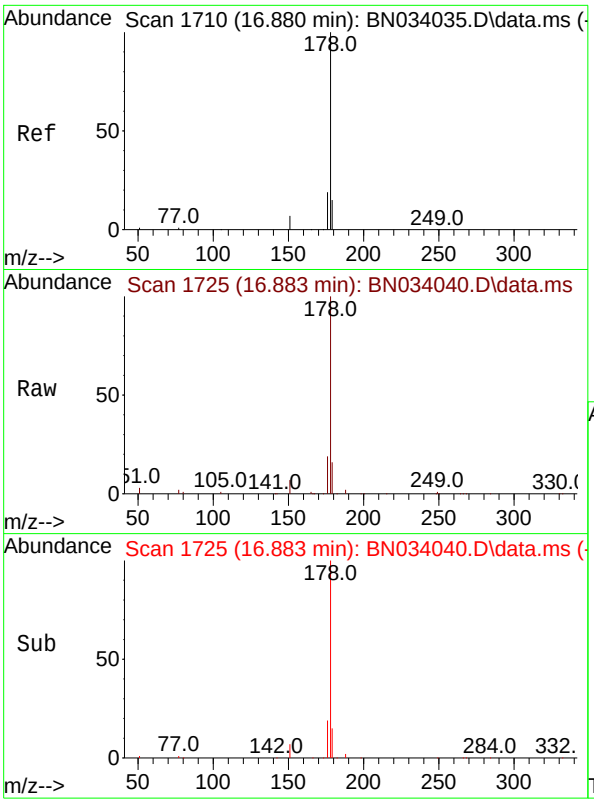


#24
Pentachlorophenol
Concen: 0.386 ng
RT: 16.498 min Scan# 1694
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:266 Resp: 1746

Ion	Ratio	Lower	Upper
266	100		
264	62.8	50.2	75.2
268	65.8	51.0	76.4



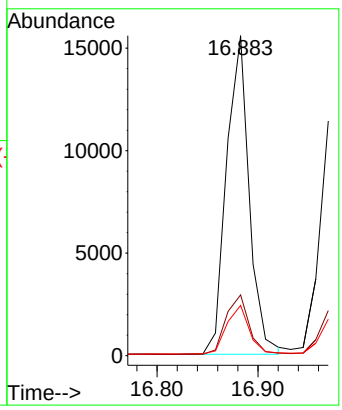


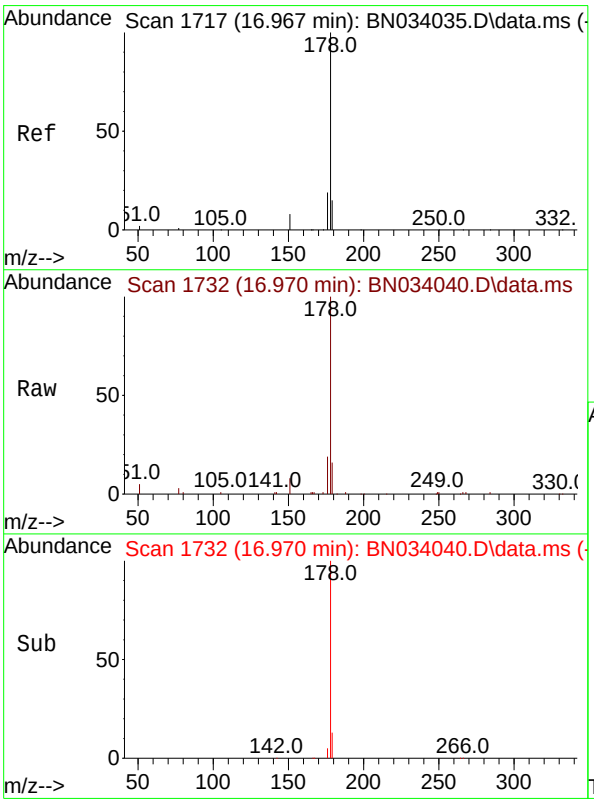
#25
Phenanthrene
Concen: 0.389 ng
RT: 16.883 min Scan# 1
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:178 Resp: 24279

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.1	18.1

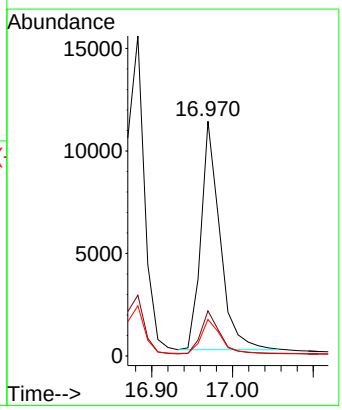


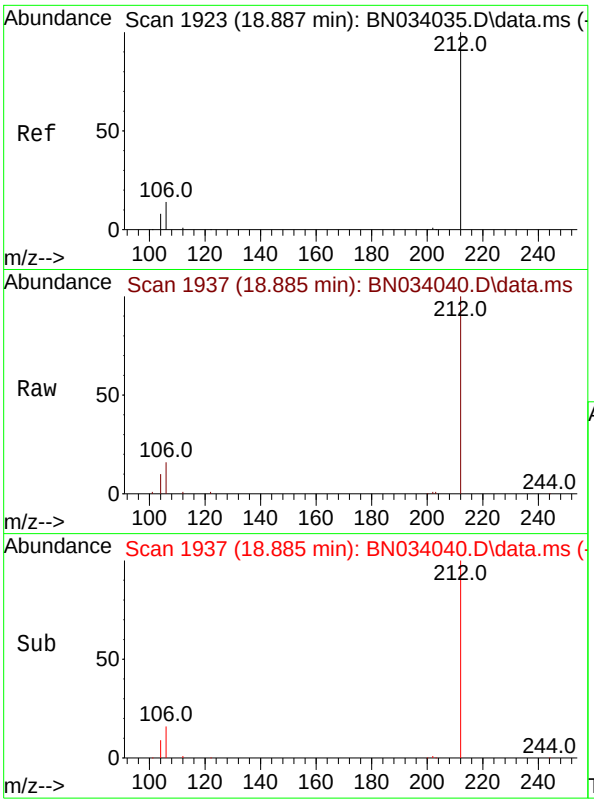


#26
Anthracene
Concen: 0.359 ng
RT: 16.970 min Scan# 1732
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:178 Resp: 18267

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.2	12.2	18.4



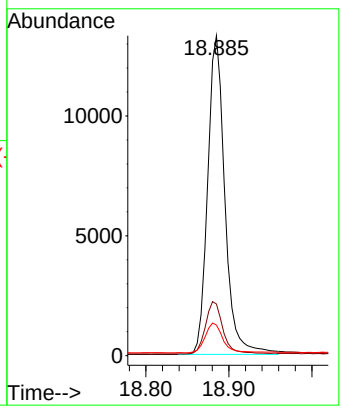


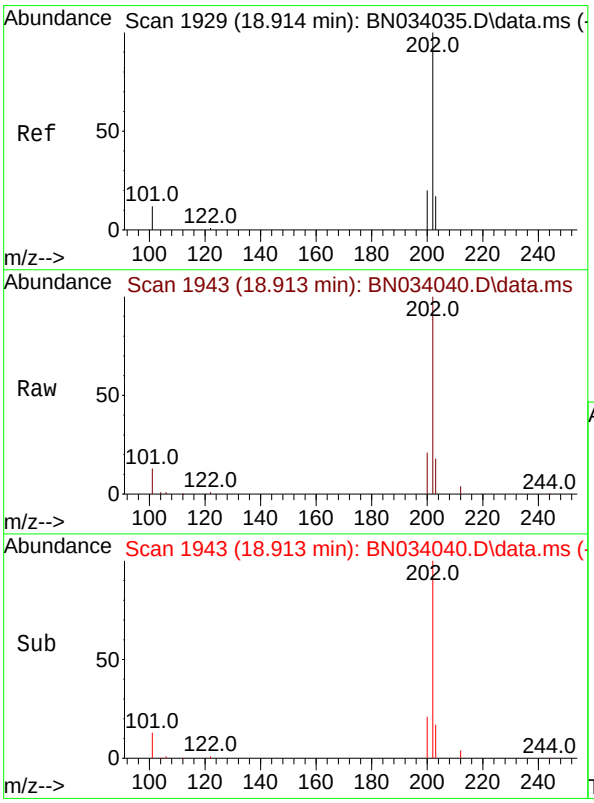
#27
Fluoranthene-d10
Concen: 0.350 ng
RT: 18.885 min Scan# 1
Delta R.T. -0.002 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:212 Resp: 19215

Ion	Ratio	Lower	Upper
212	100		
106	16.8	13.4	20.2
104	9.6	7.8	11.6

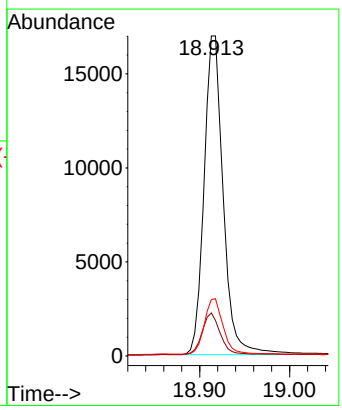


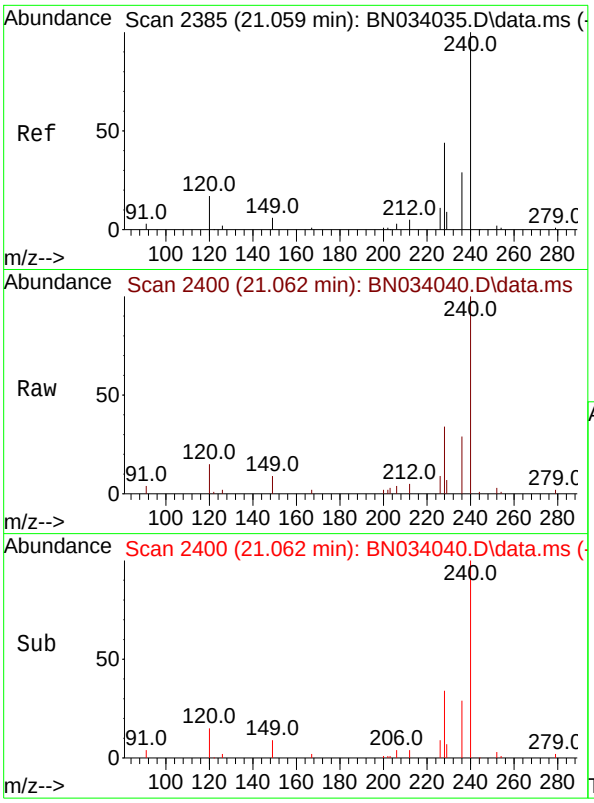


#28
Fluoranthene
Concen: 0.347 ng
RT: 18.913 min Scan# 1943
Delta R.T. -0.002 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:202 Resp: 25109

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.1	15.1
203	17.1	13.6	20.4



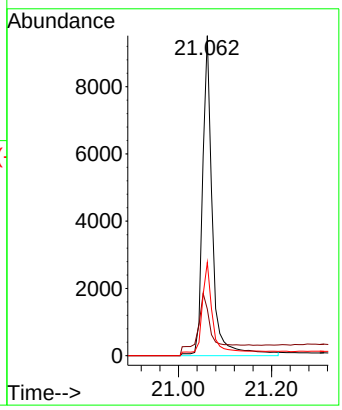


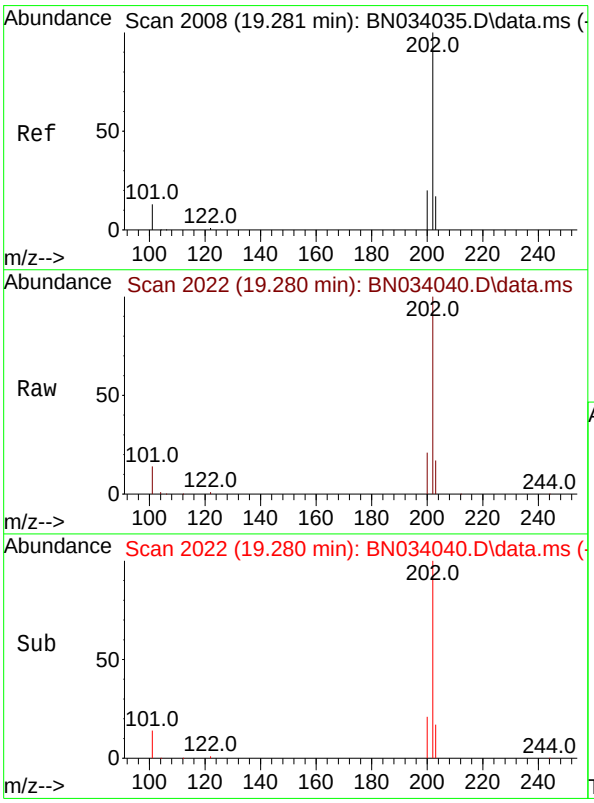
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.062 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:240 Resp: 13486

Ion	Ratio	Lower	Upper
240	100		
120	14.6	13.5	20.3
236	29.1	23.4	35.0

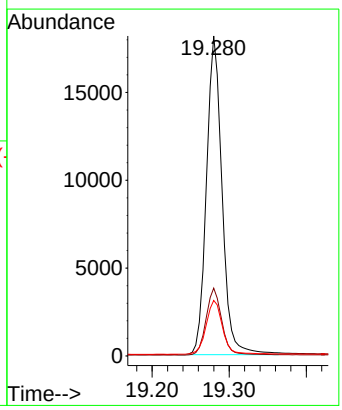


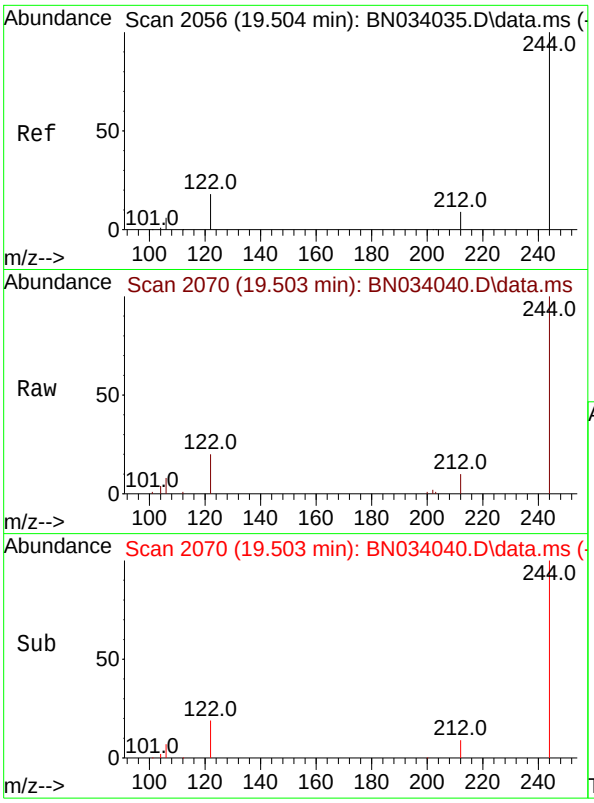


#30
Pyrene
Concen: 0.450 ng
RT: 19.280 min Scan# 2022
Delta R.T. -0.002 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:202 Resp: 25618

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.7	14.3	21.5



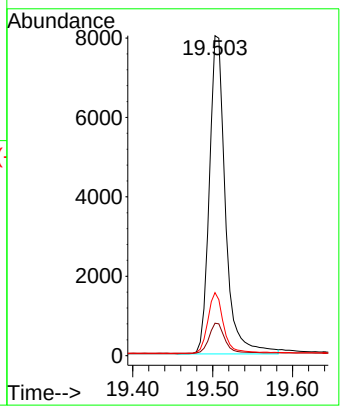


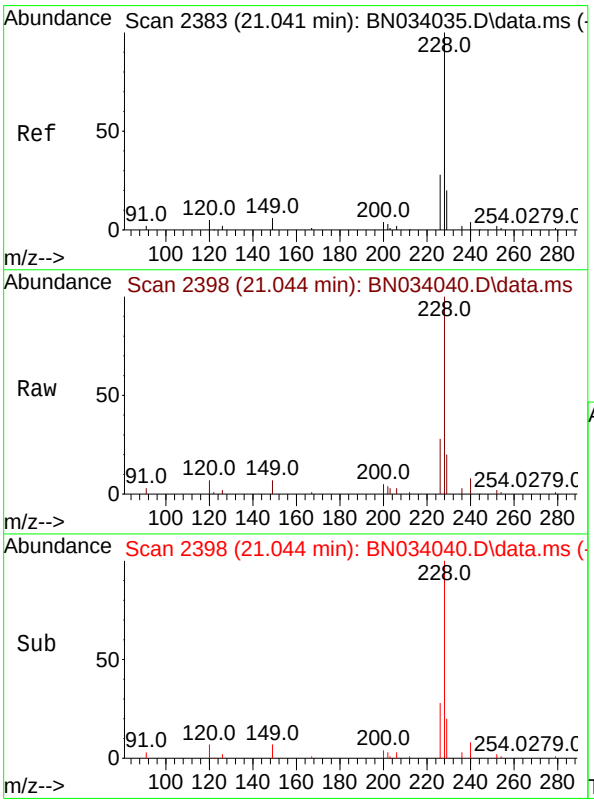
#31
Terphenyl-d14
Concen: 0.415 ng
RT: 19.503 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:244 Resp: 11191

Ion	Ratio	Lower	Upper
244	100		
212	10.2	7.8	11.6
122	19.7	14.8	22.2

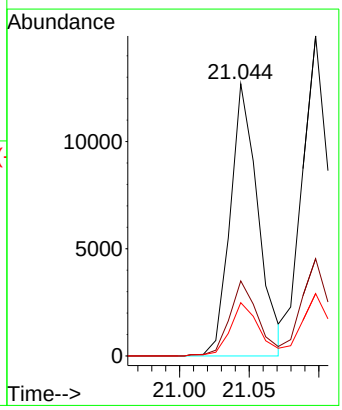


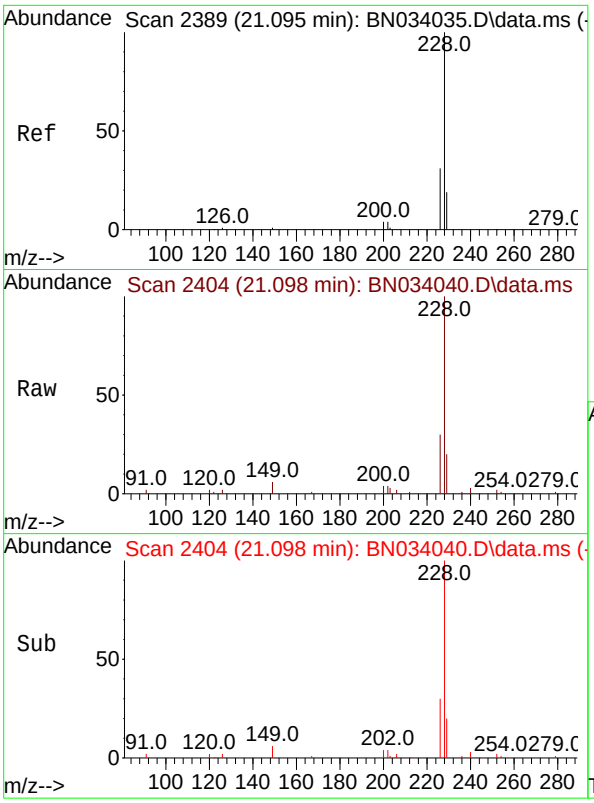


#32
Benzo(a)anthracene
Concen: 0.370 ng
RT: 21.044 min Scan# 2398
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:228 Resp: 15786

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.3	33.5
229	19.5	15.7	23.5



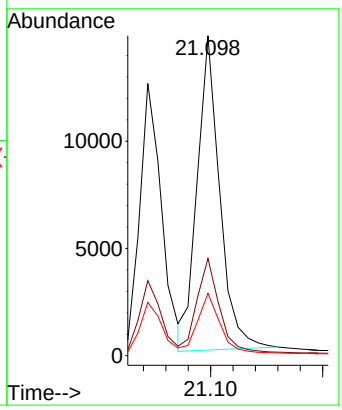


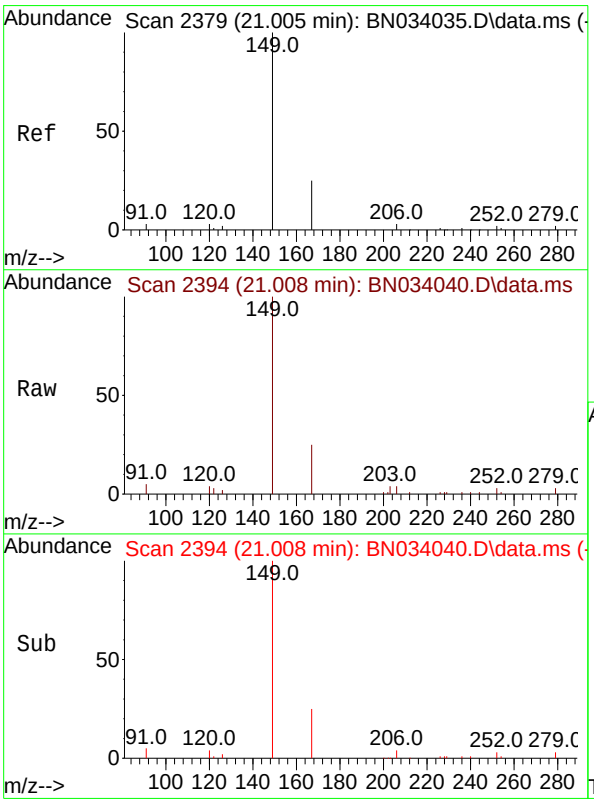
#33
Chrysene
Concen: 0.403 ng
RT: 21.098 min Scan# 24
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:228 Resp: 20535

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	19.5	15.5	23.3

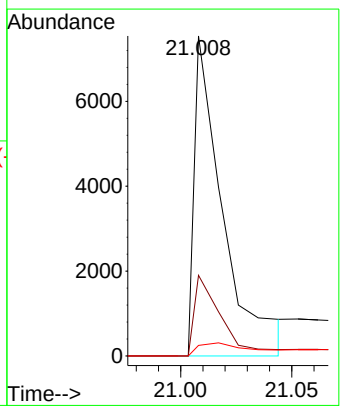


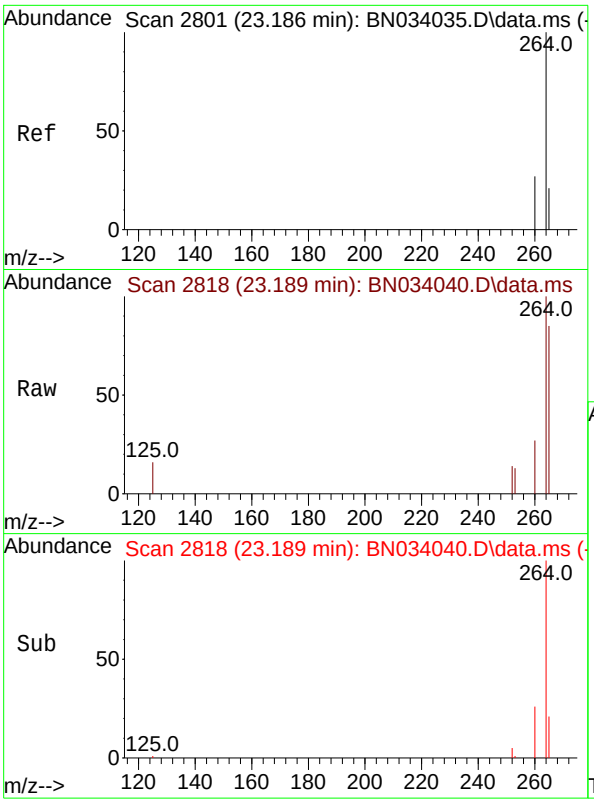


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.368 ng
RT: 21.008 min Scan# 2394
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:149 Resp: 6532

Ion	Ratio	Lower	Upper
149	100		
167	24.2	19.9	29.9
279	7.2	4.6	6.8#



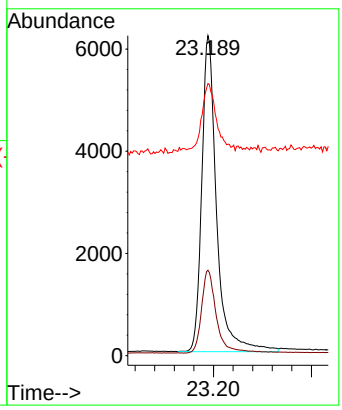


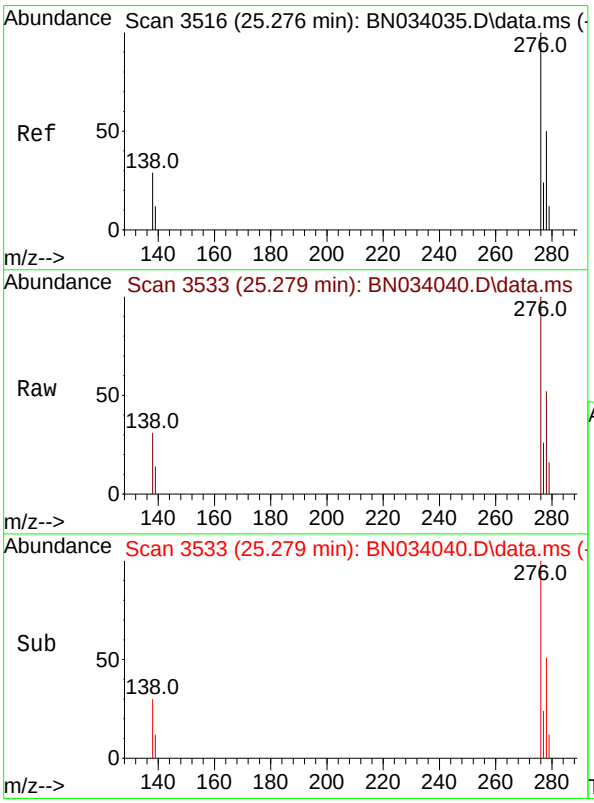
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.189 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:264 Resp: 12946

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.7	32.5
265	85.1	52.1	78.1#

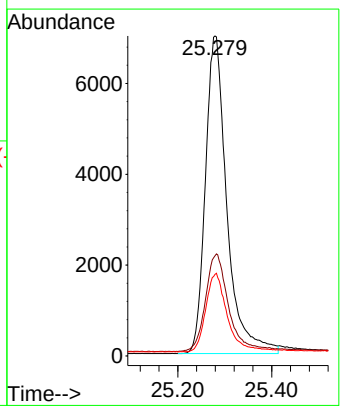


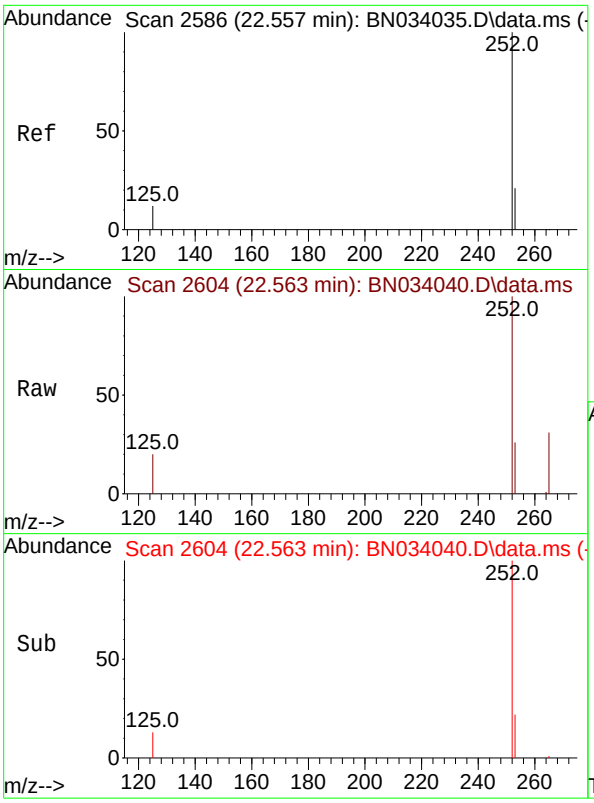


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.402 ng
RT: 25.279 min Scan# 3533
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:276 Resp: 22278

Ion	Ratio	Lower	Upper
276	100		
138	33.0	25.9	38.9
277	24.9	19.7	29.5



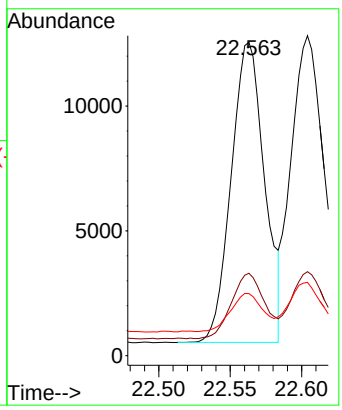


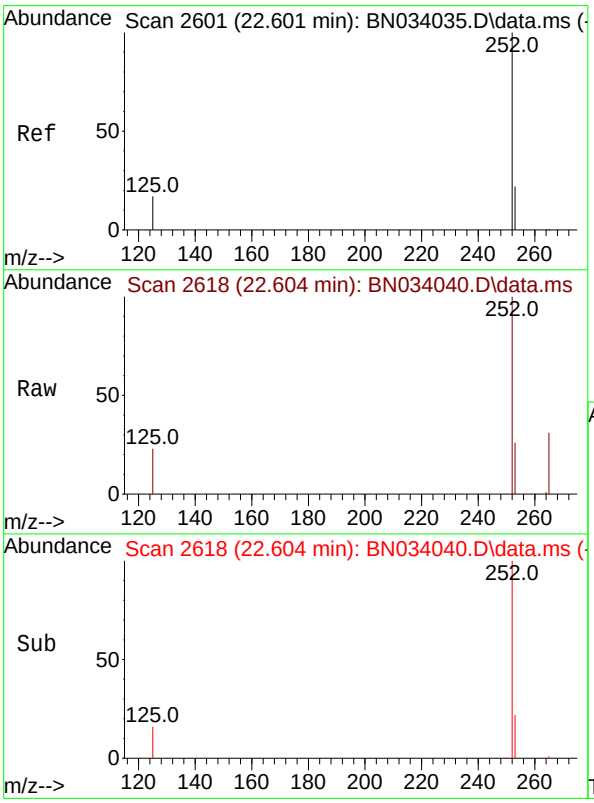
#37
Benzo(b)fluoranthene
Concen: 0.386 ng
RT: 22.563 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:252 Resp: 19554

Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.6	29.4
125	19.8	13.8	20.8

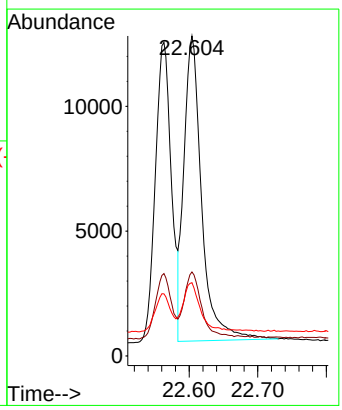


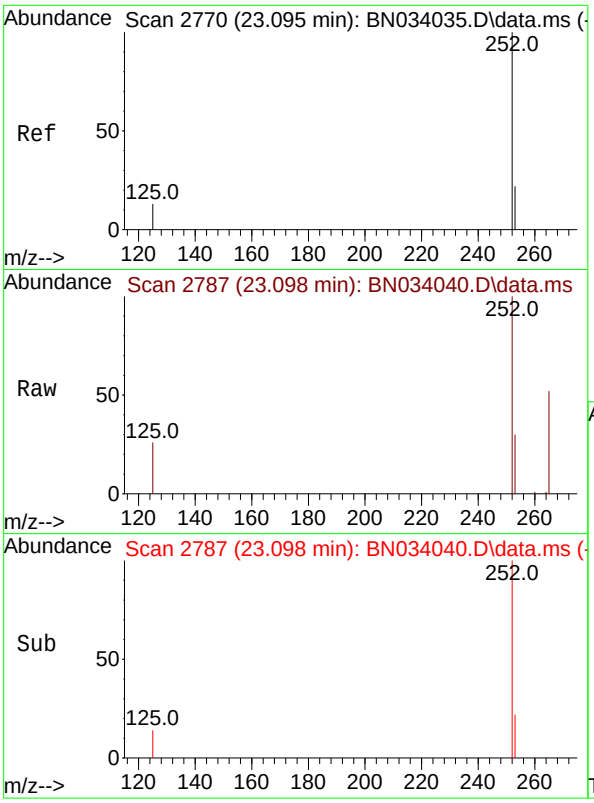


#38
Benzo(k)fluoranthene
Concen: 0.411 ng
RT: 22.604 min Scan# 2618
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:252 Resp: 21903

Ion	Ratio	Lower	Upper
252	100		
253	26.3	20.1	30.1
125	22.9	16.8	25.2



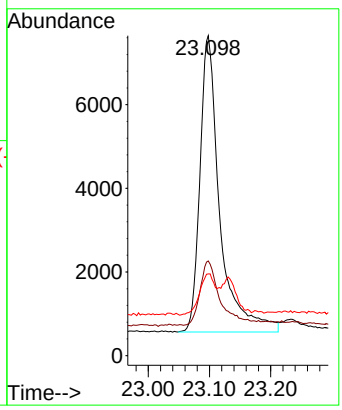


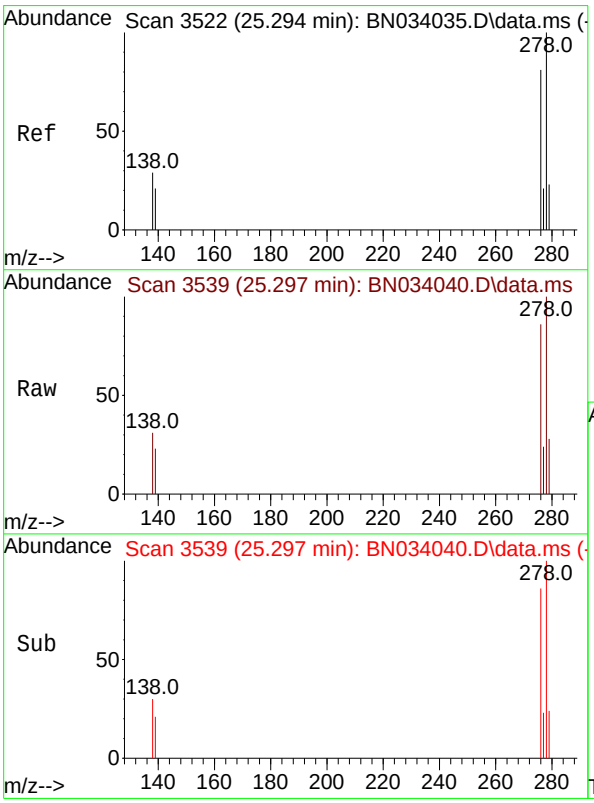
#39
Benzo(a)pyrene
Concen: 0.387 ng
RT: 23.098 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:252 Resp: 15991

Ion	Ratio	Lower	Upper
252	100		
253	29.6	21.8	32.8
125	25.6	17.5	26.3

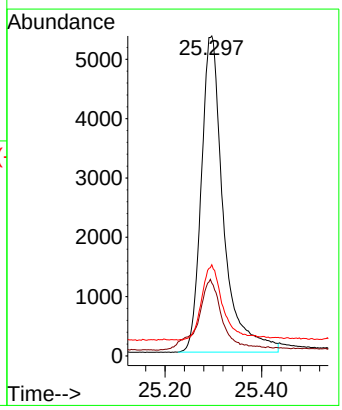


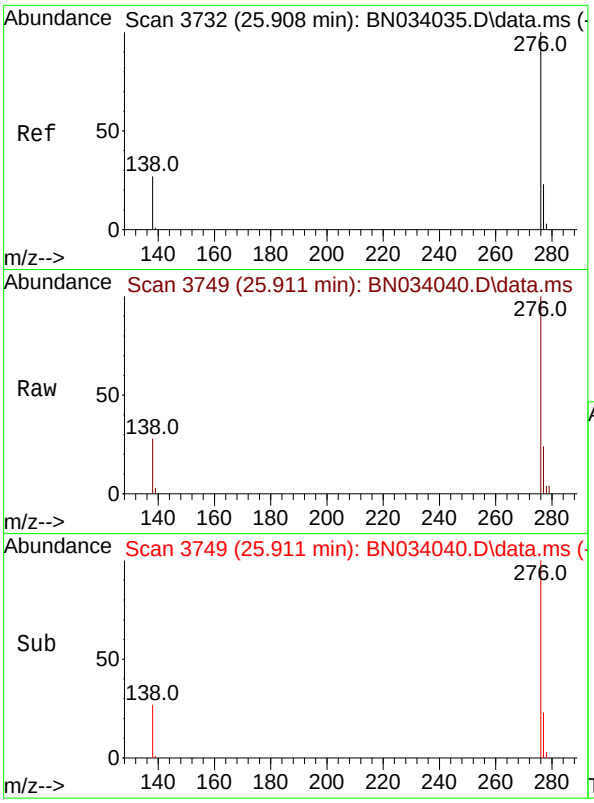


#40
Dibenzo(a,h)anthracene
Concen: 0.395 ng
RT: 25.297 min Scan# 3539
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Tgt Ion:278 Resp: 17016

Ion	Ratio	Lower	Upper
278	100		
139	22.8	17.8	26.8
279	28.5	21.0	31.6





#41
Benzo(g,h,i)perylene
Concen: 0.406 ng
RT: 25.911 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN034040.D
Acq: 18 Sep 2024 18:01

Instrument :
BNA_N
ClientSampleId :
ICVBN091924

Tgt Ion:276 Resp: 19666

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.3	28.9
138	28.5	22.6	34.0