Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091323\
Data File : BN027626.D
Acq On : 13 Sep 2023 02:17
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 129 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Sep 13 06:04:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:45:58 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.037	152	7756	0.400	ng	0.00
7) Naphthalene-d8	10.853	136	20704	0.400	ng	# 0.00
13) Acenaphthene-d10	14.662	164	9263	0.400	ng	0.00
19) Phenanthrene-d10	17.406	188	18033	0.400	ng	0.00
29) Chrysene-d12	21.587	240	13167	0.400	ng	# 0.00
35) Perylene-d12	24.089	264	12129	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.567	112	8904	0.440	ng	0.00
5) Phenol-d6	7.178	99	10138	0.412	ng	0.00
8) Nitrobenzene-d5	9.219	82	6954	0.461	ng	-0.01
11) 2-Methylnaphthalene-d10	12.426	152	11452	0.377	ng	0.00
14) 2,4,6-Tribromophenol	16.152	330	1221	0.356	ng	0.00
15) 2-Fluorobiphenyl	13.283	172	16700	0.474	ng	-0.01
27) Fluoranthene-d10	19.430	212	17465	0.390	ng	0.00
31) Terphenyl-d14	20.015	244	11893	0.450	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.473	88	4068	0.430	ng	# 93
3) n-Nitrosodimethylamine	3.819	42	4334	0.432	ng	93
6) bis(2-Chloroethyl)ether	7.467	93	9854	0.415	ng	99
9) Naphthalene	10.896	128	24000	0.425	ng	99
10) Hexachlorobutadiene	11.130	225	4539	0.431	ng	# 100
12) 2-Methylnaphthalene	12.498	142	14995	0.373	ng	99
16) Acenaphthylene	14.384	152	16827	0.399	ng	99
17) Acenaphthene	14.715	154	12197	0.434	ng	98
18) Fluorene	15.705	166	14981	0.399	ng	100
20) 4,6-Dinitro-2-methylph...	16.859	198	109	0.424	ng	# 66
21) 4-Bromophenyl-phenylether	16.586	248	4362	0.459	ng	# 77
22) Hexachlorobenzene	16.673	284	4842	0.429	ng	99
23) Atrazine	16.859	200	2821	0.396	ng	98
24) Pentachlorophenol	17.046	266	1662	0.383	ng	99
25) Phenanthrene	17.443	178	22582	0.426	ng	100
26) Anthracene	17.542	178	18345	0.407	ng	100
28) Fluoranthene	19.463	202	23681	0.380	ng	100
30) Pyrene	19.825	202	23660	0.452	ng	100
32) Benzo(a)anthracene	21.569	228	19499	0.432	ng	99
33) Chrysene	21.623	228	21580	0.435	ng	100
34) Bis(2-ethylhexyl)phtha...	21.444	149	8063	0.370	ng	99
36) Indeno(1,2,3-cd)pyrene	26.726	276	21851	0.444	ng	100
37) Benzo(b)fluoranthene	23.309	252	19952	0.425	ng	99
38) Benzo(k)fluoranthene	23.361	252	19839	0.411	ng	98
39) Benzo(a)pyrene	23.972	252	17413	0.397	ng	98
40) Dibenzo(a,h)anthracene	26.747	278	17951	0.465	ng	98
41) Benzo(g,h,i)perylene	27.545	276	19875	0.444	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091323\
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Misc :
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Instrument :
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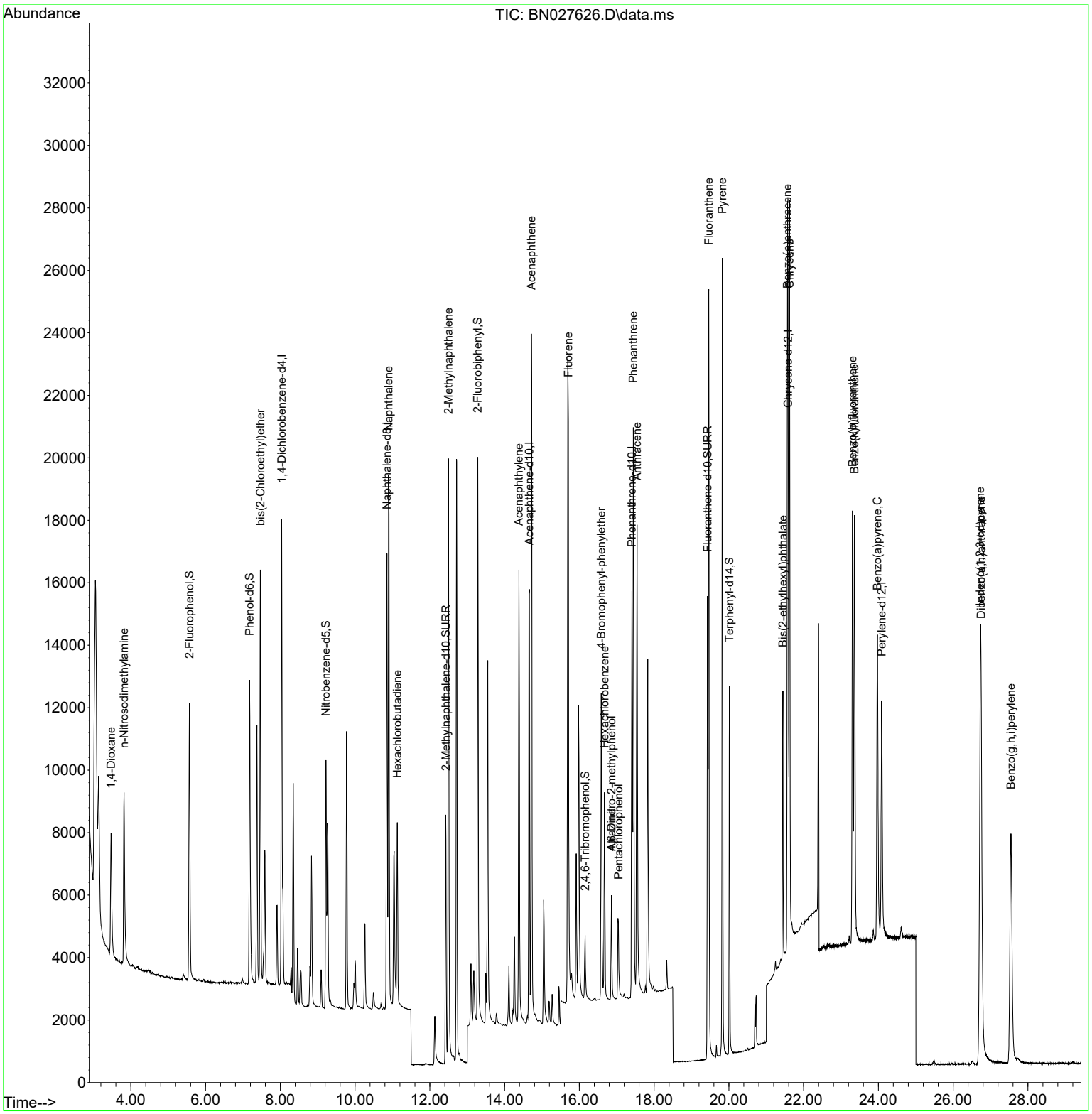
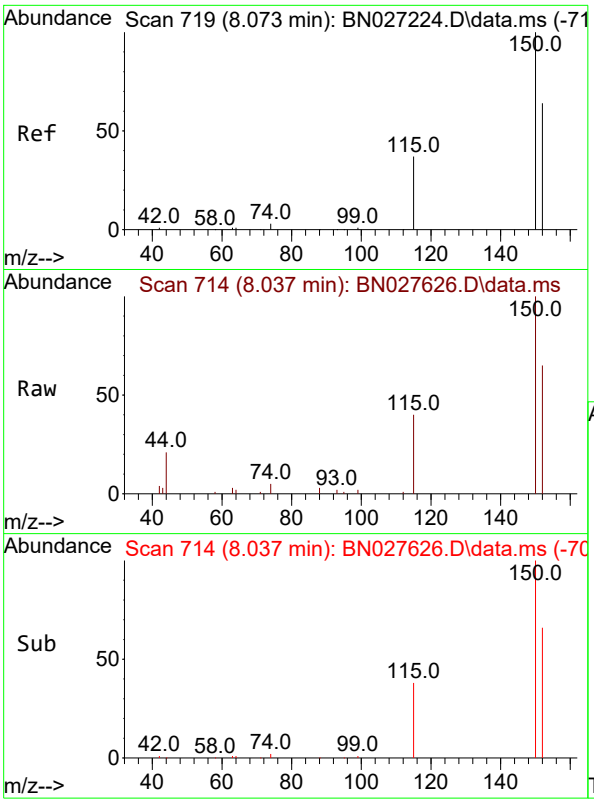
Quant Time: Sep 13 06:04:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:45:58 2023
Response via : Initial Calibration



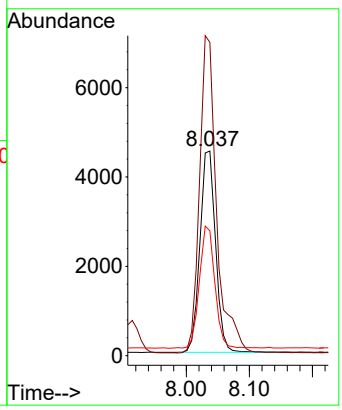


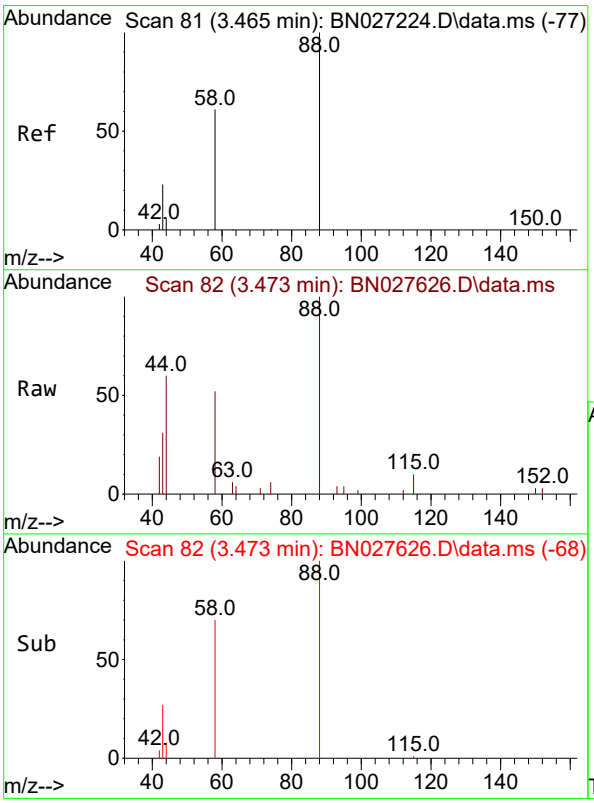
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.037 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 7756

Ion	Ratio	Lower	Upper
152	100		
150	153.1	122.7	184.1
115	60.9	48.6	73.0

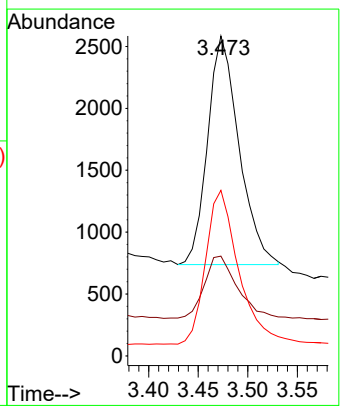


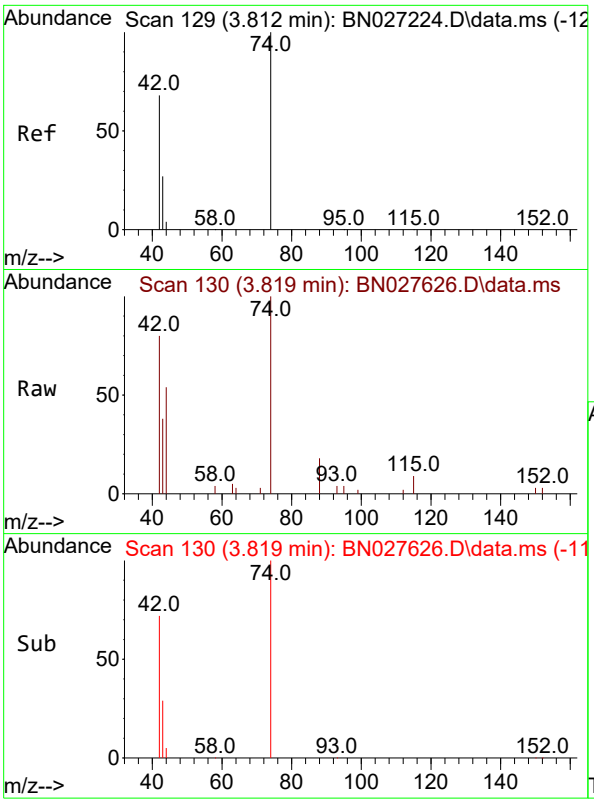


#2
1,4-Dioxane
Concen: 0.430 ng
RT: 3.473 min Scan# 82
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion: 88 Resp: 4068

Ion	Ratio	Lower	Upper
88	100		
43	28.7	19.1	28.7#
58	70.5	52.2	78.2



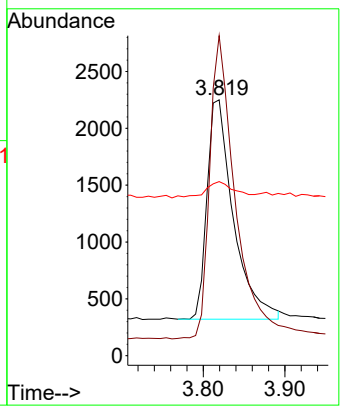


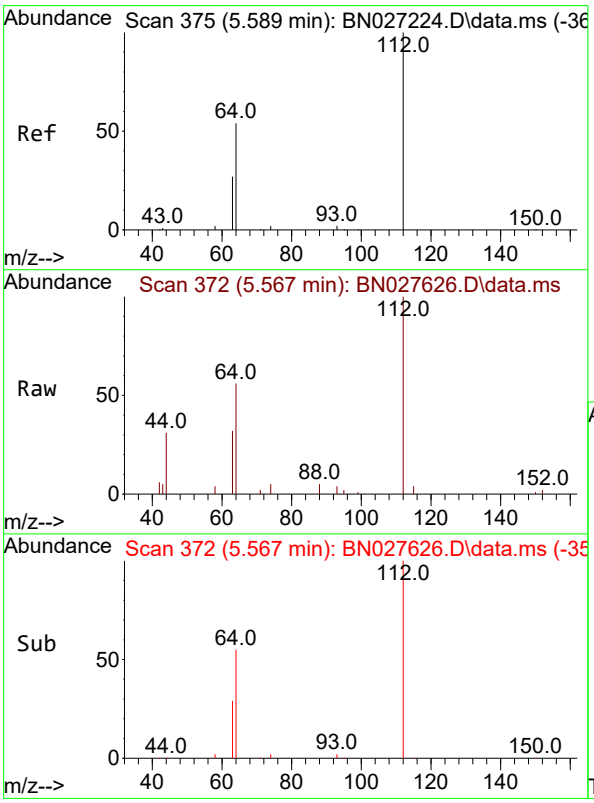
#3
n-Nitrosodimethylamine
Concen: 0.432 ng
RT: 3.819 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 4334

Ion	Ratio	Lower	Upper
42	100		
74	133.0	113.8	170.8
44	8.2	7.3	10.9

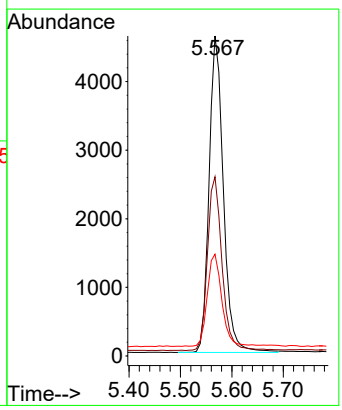


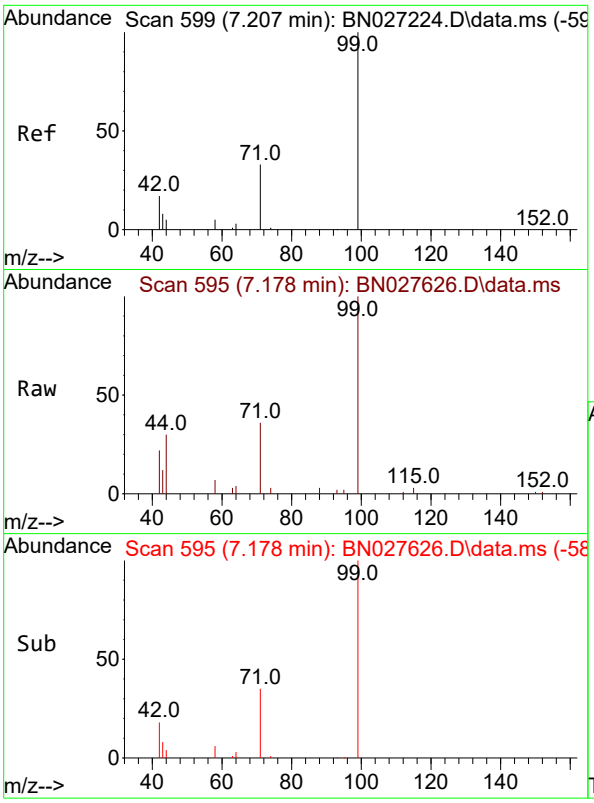


#4
2-Fluorophenol
Concen: 0.440 ng
RT: 5.567 min Scan# 372
Delta R.T. -0.007 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:112 Resp: 8904

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.4	66.6
63	29.9	23.1	34.7



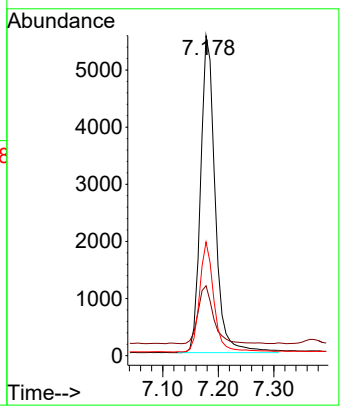


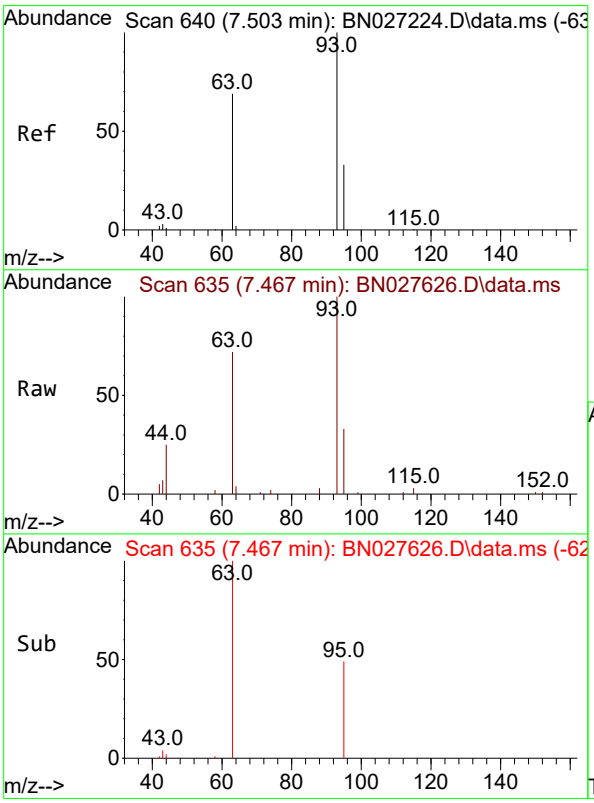
#5
Phenol-d6
Concen: 0.412 ng
RT: 7.178 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 10138

Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.5	21.7
71	34.0	25.8	38.6

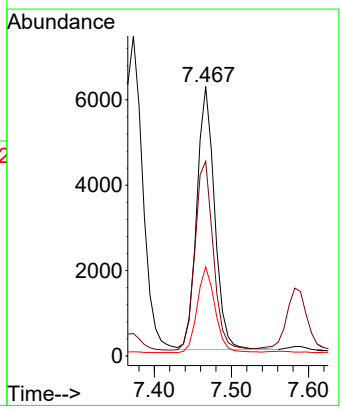


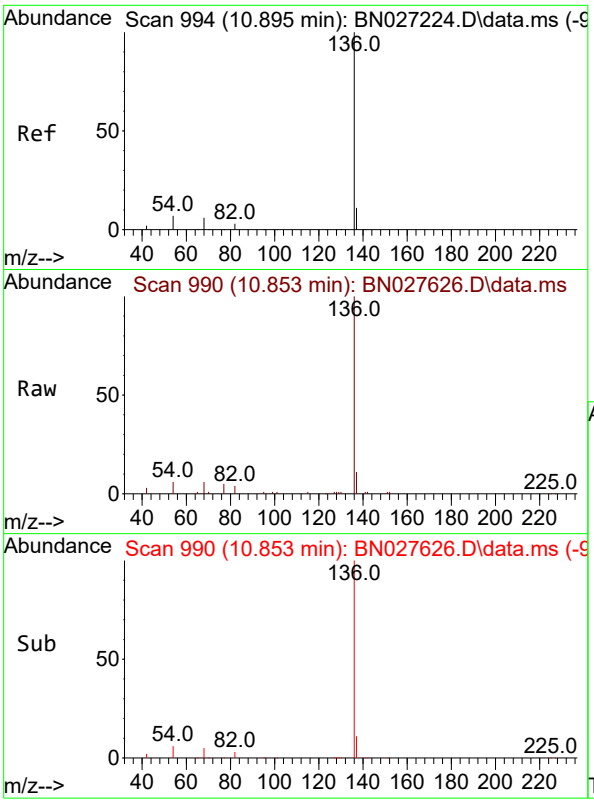


#6
bis(2-Chloroethyl)ether
Concen: 0.415 ng
RT: 7.467 min Scan# 635
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion: 93 Resp: 9854

Ion	Ratio	Lower	Upper
93	100		
63	74.0	58.5	87.7
95	32.7	26.1	39.1



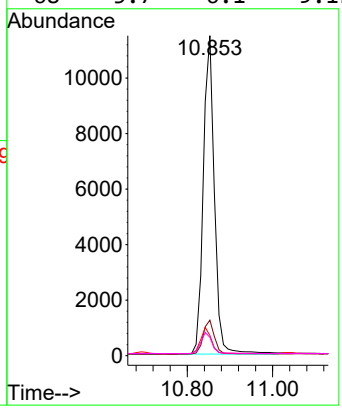


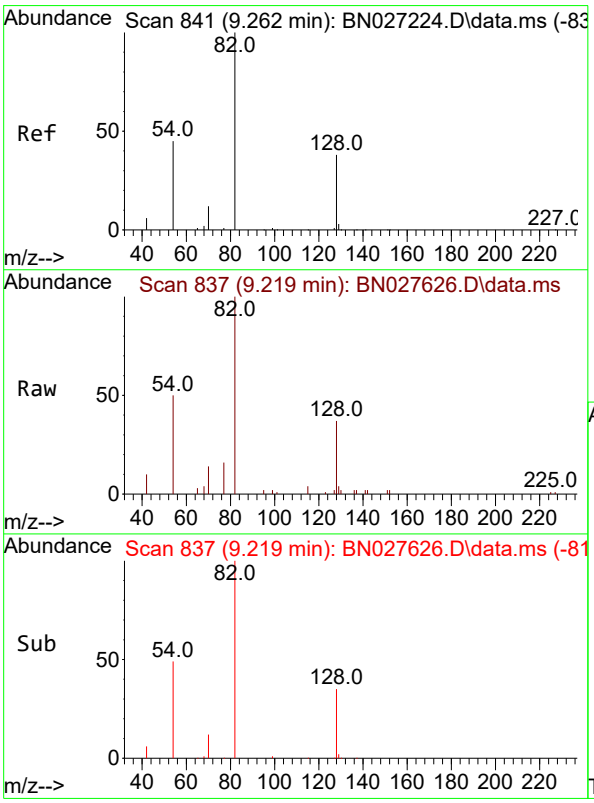
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.853 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 20704

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	6.4	6.7	10.1#
68	5.7	6.1	9.1#

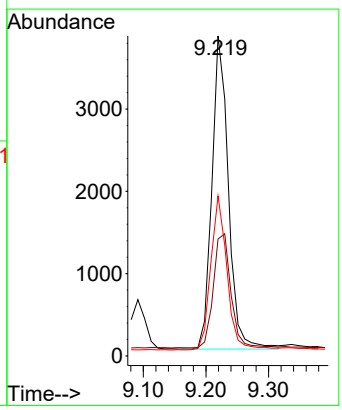


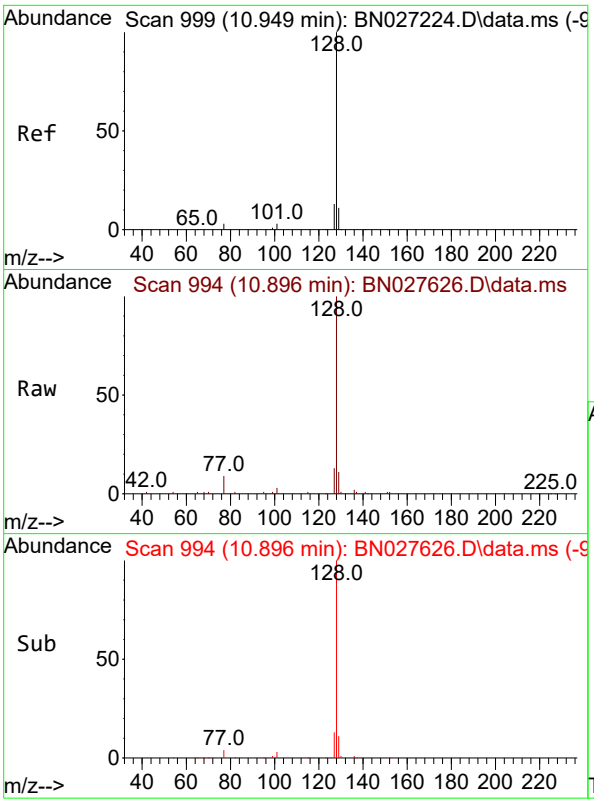


#8
Nitrobenzene-d5
Concen: 0.461 ng
RT: 9.219 min Scan# 837
Delta R.T. -0.011 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion: 82 Resp: 6954

Ion	Ratio	Lower	Upper
82	100		
128	36.5	33.4	50.0
54	50.0	37.7	56.5



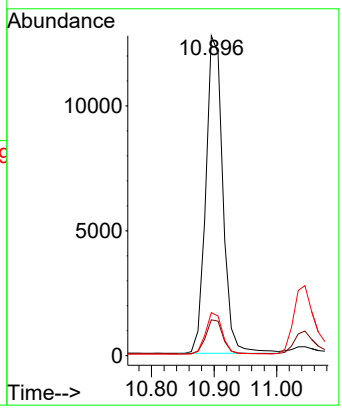


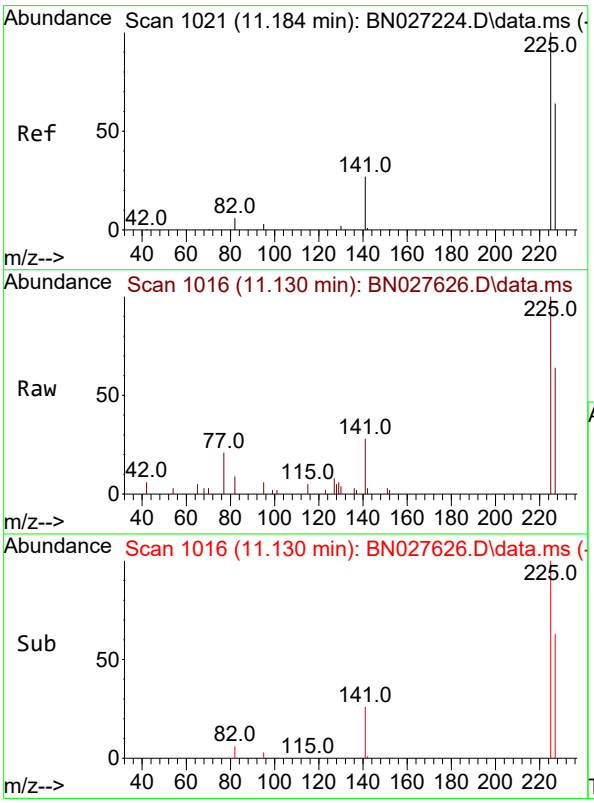
#9
Naphthalene
Concen: 0.425 ng
RT: 10.896 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 24000

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.4	14.0
127	13.4	10.6	15.8

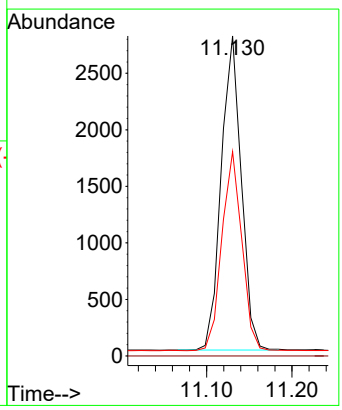


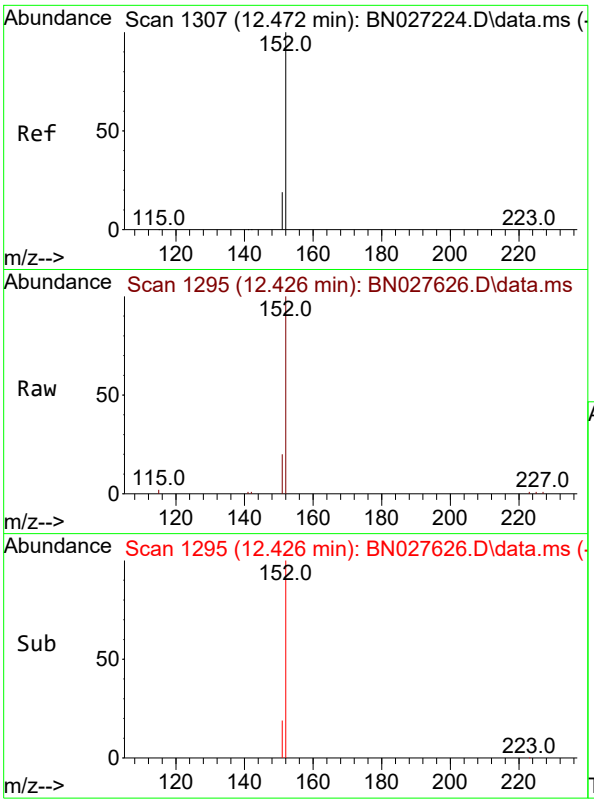


#10
Hexachlorobutadiene
Concen: 0.431 ng
RT: 11.130 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:225 Resp: 4539

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.9	50.6	75.8



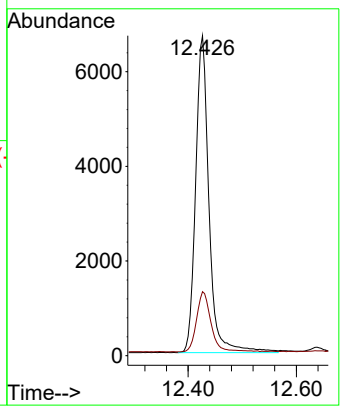


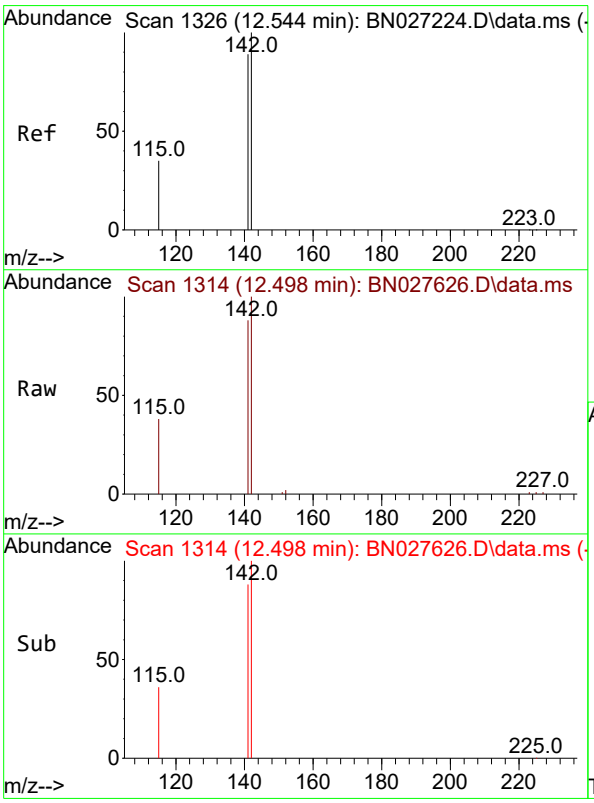
#11
2-Methylnaphthalene-d10
Concen: 0.377 ng
RT: 12.426 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 11452

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0

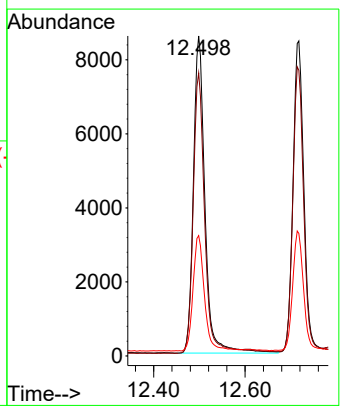


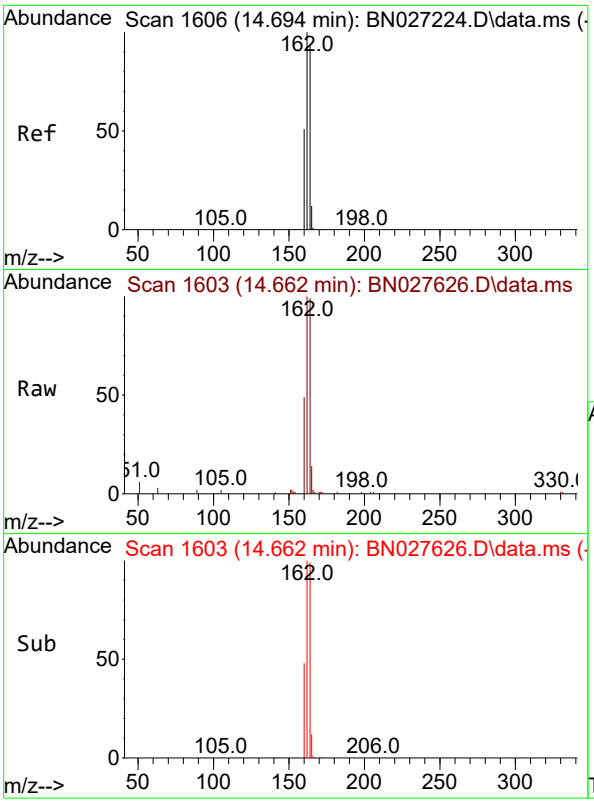


#12
2-Methylnaphthalene
Concen: 0.373 ng
RT: 12.498 min Scan# 1314
Delta R.T. -0.004 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:142 Resp: 14995

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.1	106.7
115	37.6	29.6	44.4



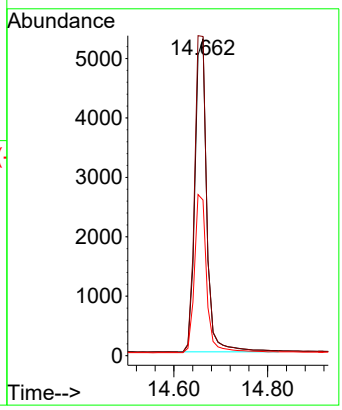


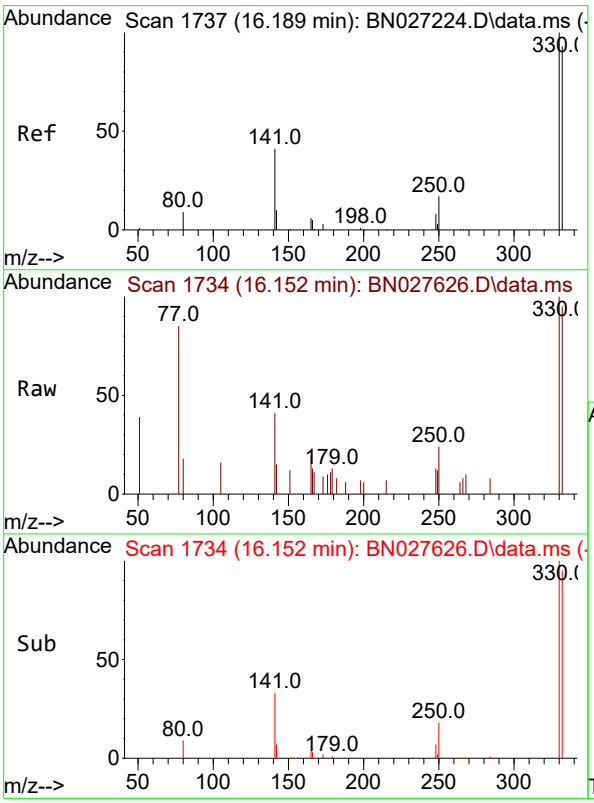
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.662 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 9263

Ion	Ratio	Lower	Upper
164	100		
162	100.8	85.8	128.8
160	49.2	44.2	66.2

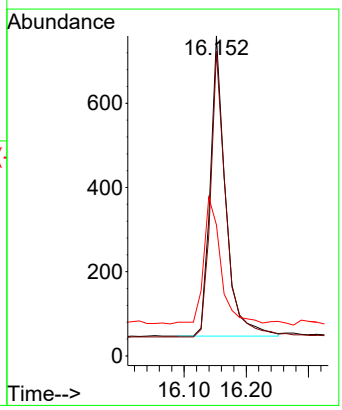


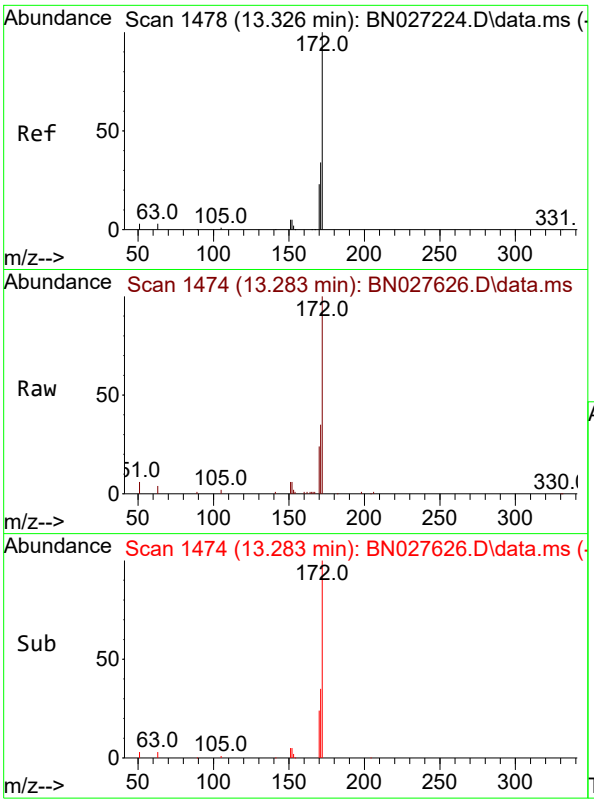


#14
2,4,6-Tribromophenol
Concen: 0.356 ng
RT: 16.152 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:330 Resp: 1221

Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.2	112.8
141	47.2	36.2	54.4



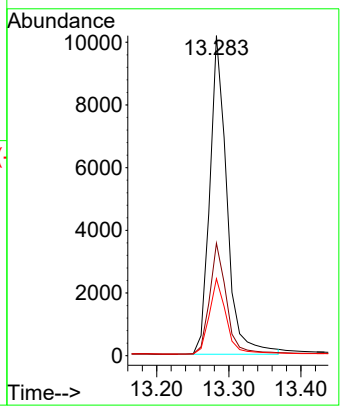


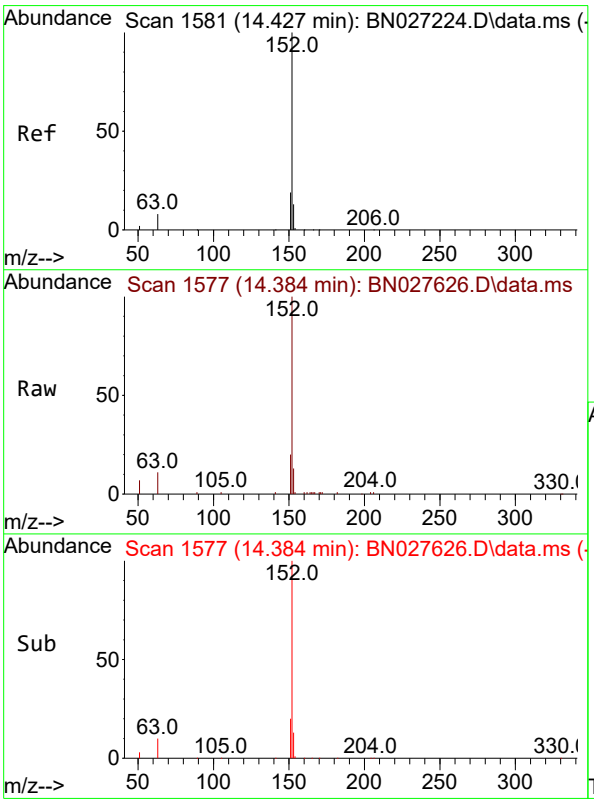
#15
2-Fluorobiphenyl
Concen: 0.474 ng
RT: 13.283 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 16700

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.8
170	24.1	19.3	28.9

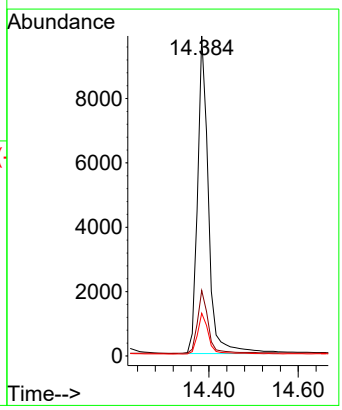


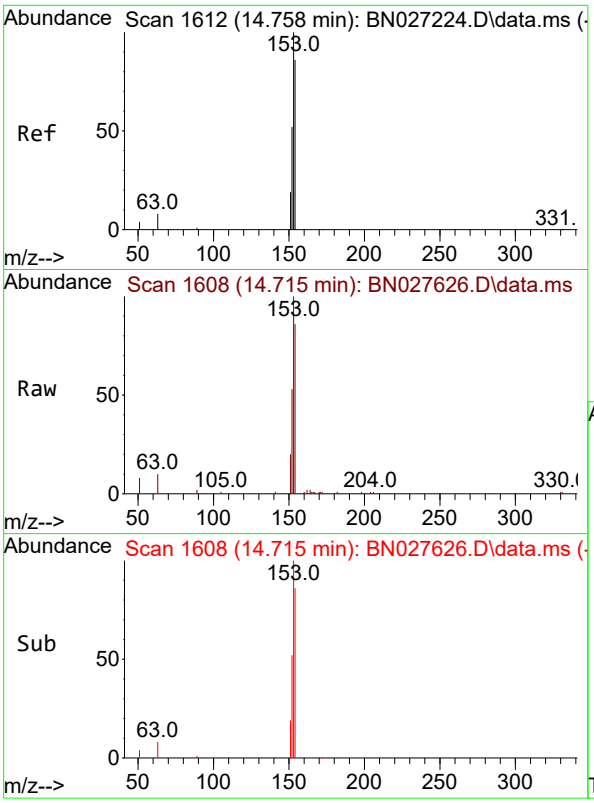


#16
Acenaphthylene
Concen: 0.399 ng
RT: 14.384 min Scan# 1577
Delta R.T. -0.011 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:152 Resp: 16827

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	13.0	10.3	15.5



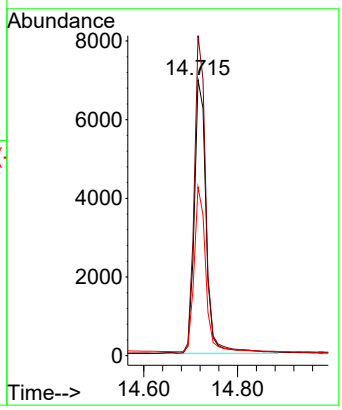


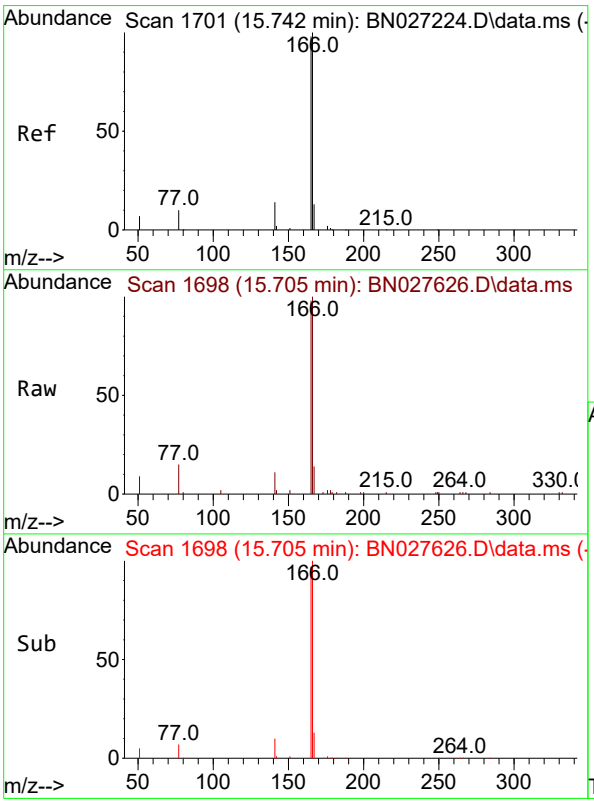
#17
Acenaphthene
Concen: 0.434 ng
RT: 14.715 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 12197

Ion	Ratio	Lower	Upper
154	100		
153	113.8	93.1	139.7
152	58.8	48.6	73.0

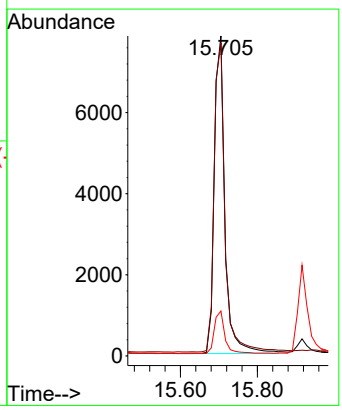


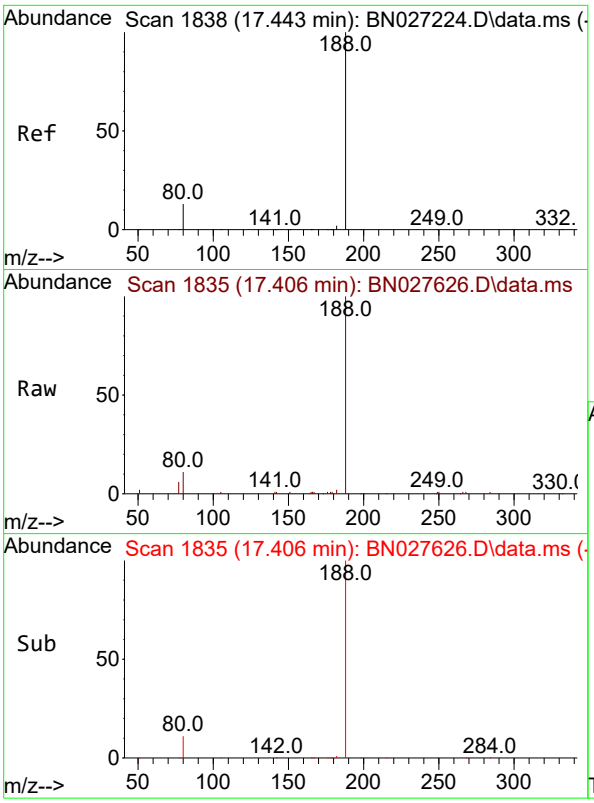


#18
Fluorene
Concen: 0.399 ng
RT: 15.705 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:166 Resp: 14981

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.0	118.4
167	13.3	10.8	16.2



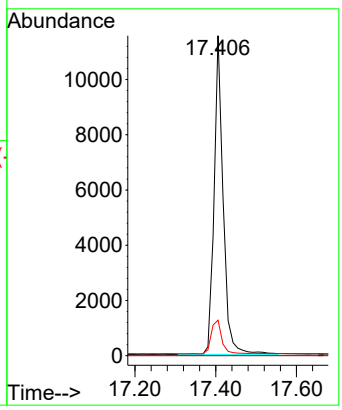


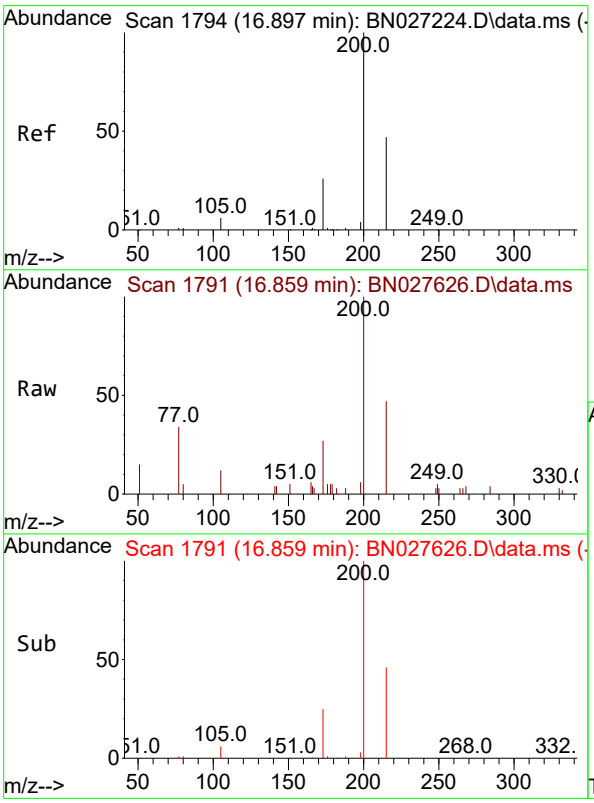
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.406 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 18033

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	11.0	16.6

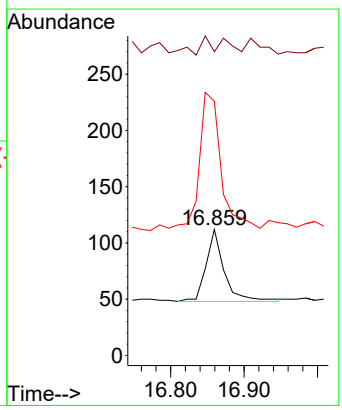


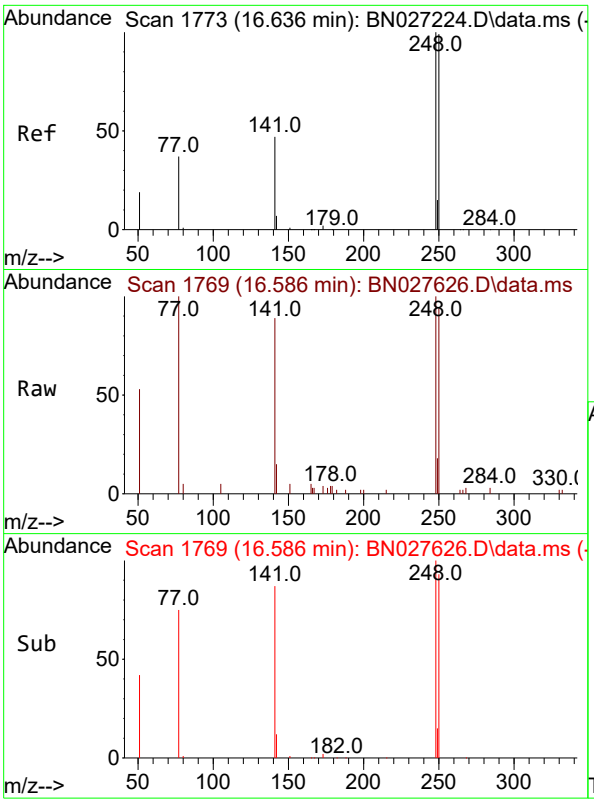


#20
4,6-Dinitro-2-methylphenol
Concen: 0.424 ng
RT: 16.859 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:198 Resp: 109

Ion	Ratio	Lower	Upper
198	100		
51	241.1	282.2	423.2#
105	201.8	168.7	253.1



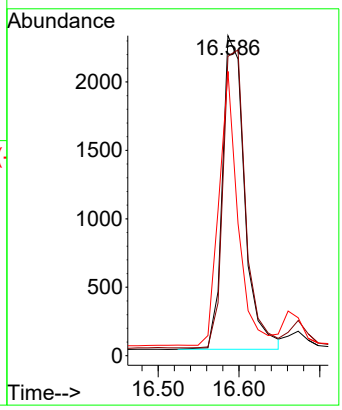


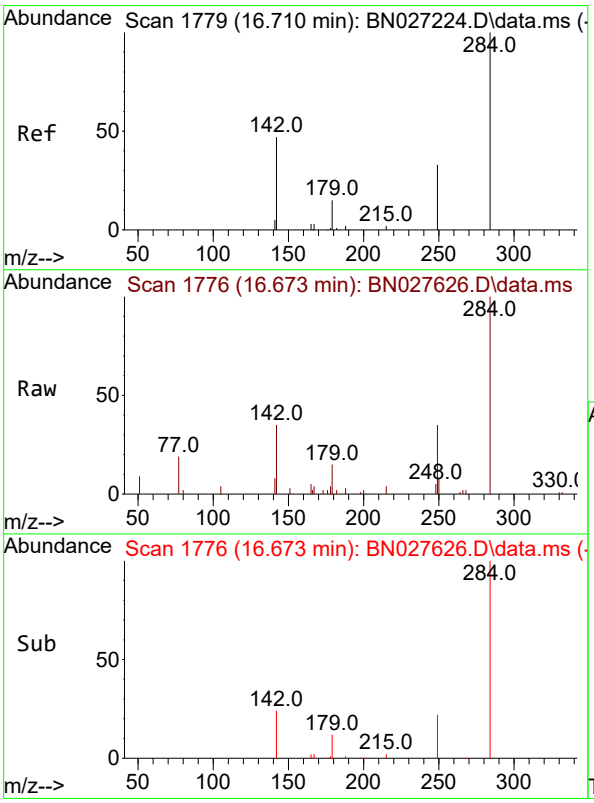
#21
4-Bromophenyl-phenylether
Concen: 0.459 ng
RT: 16.586 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 4362

Ion	Ratio	Lower	Upper
248	100		
250	93.5	79.7	119.5
141	88.8	39.8	59.8#

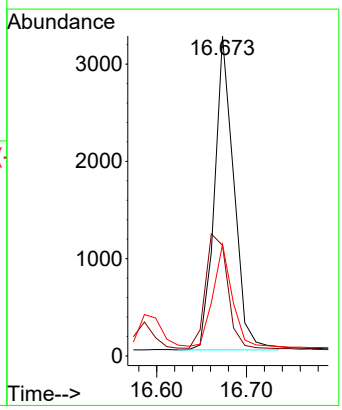


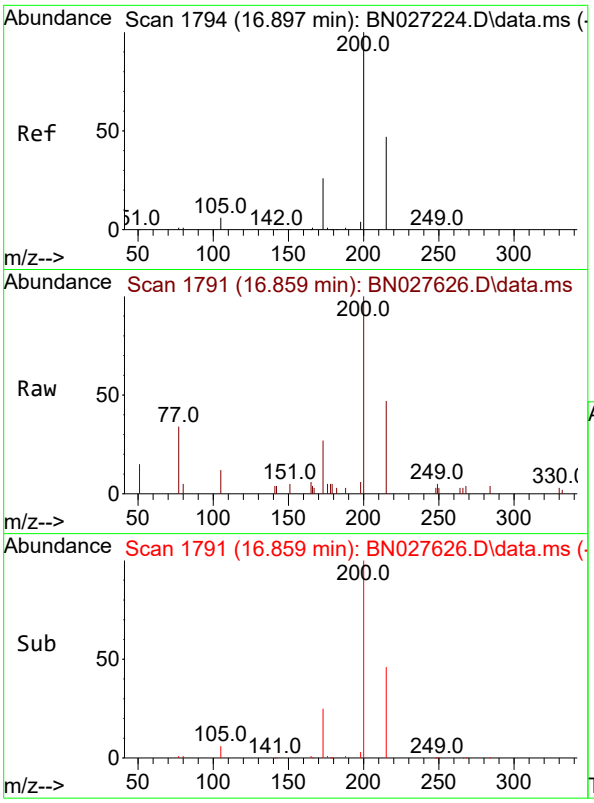


#22
Hexachlorobenzene
Concen: 0.429 ng
RT: 16.673 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:284 Resp: 4842

Ion	Ratio	Lower	Upper
284	100		
142	41.4	32.9	49.3
249	31.6	24.3	36.5



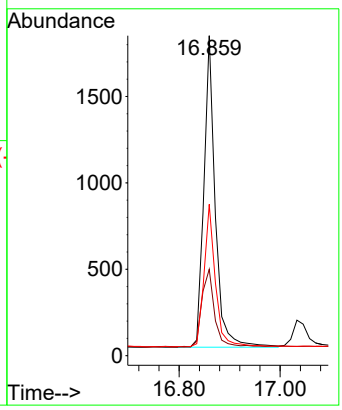


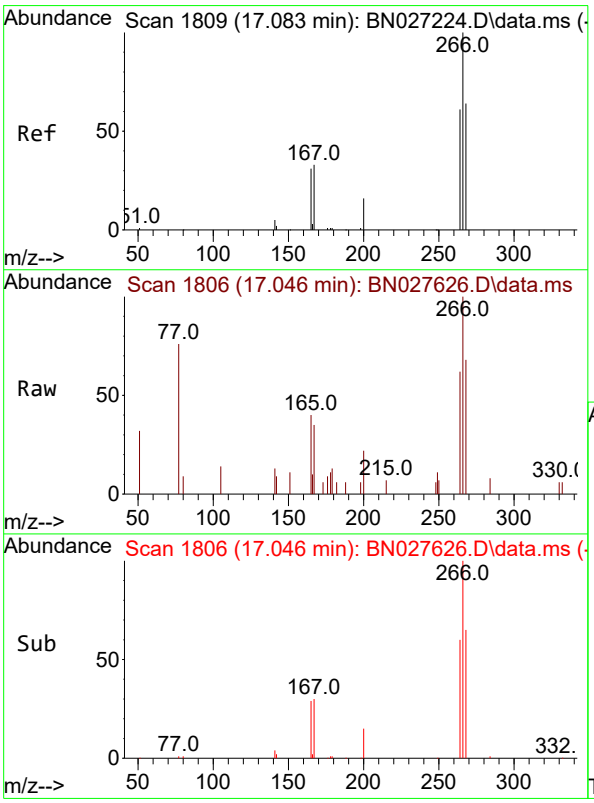
#23
Atrazine
Concen: 0.396 ng
RT: 16.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 2821

Ion	Ratio	Lower	Upper
200	100		
173	27.0	22.5	33.7
215	47.3	39.0	58.6

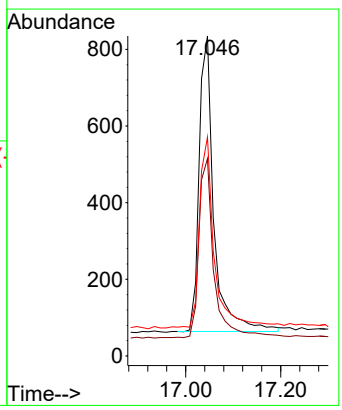


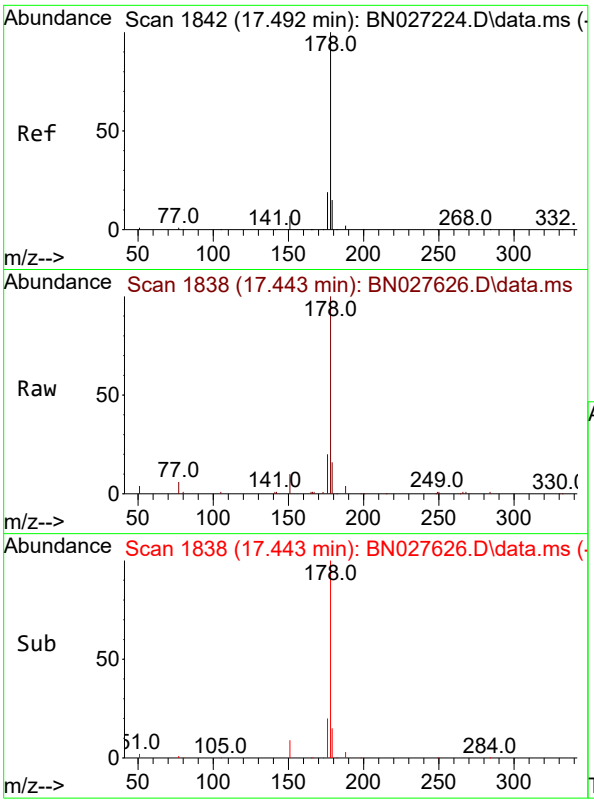


#24
Pentachlorophenol
Concen: 0.383 ng
RT: 17.046 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:266 Resp: 1662

Ion	Ratio	Lower	Upper
266	100		
264	61.6	50.3	75.5
268	64.0	52.0	78.0



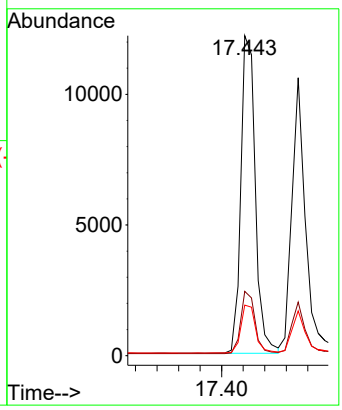


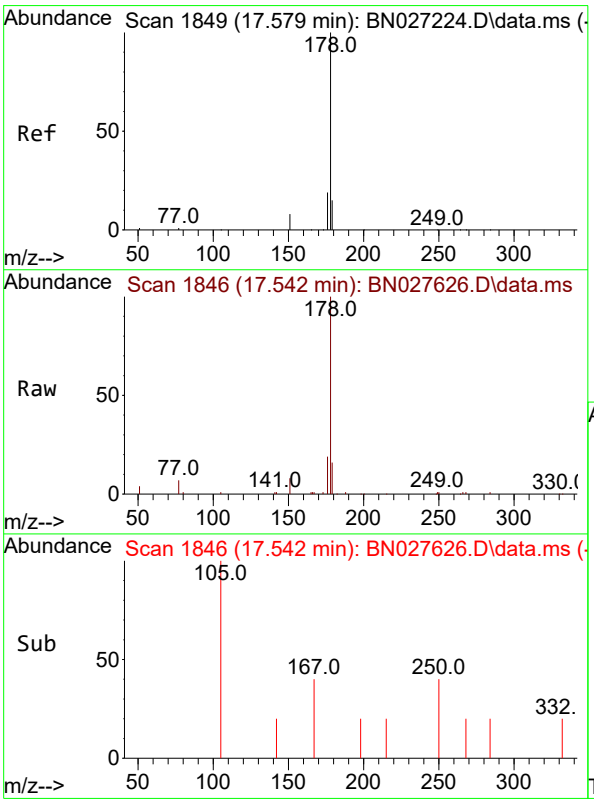
#25
Phenanthrene
Concen: 0.426 ng
RT: 17.443 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 22582

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.6	12.3	18.5

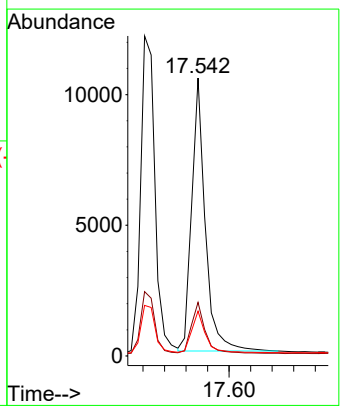


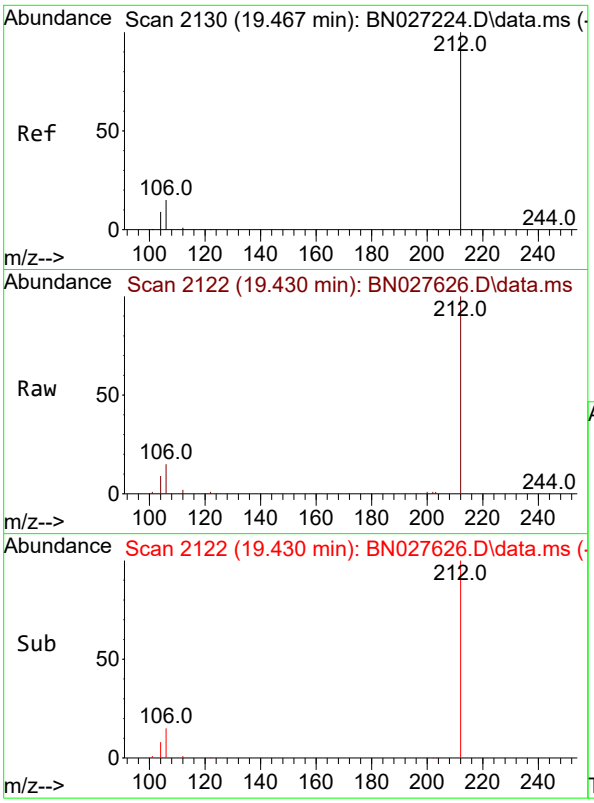


#26
Anthracene
Concen: 0.407 ng
RT: 17.542 min Scan# 1846
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:178 Resp: 18345

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.1	12.0	18.0



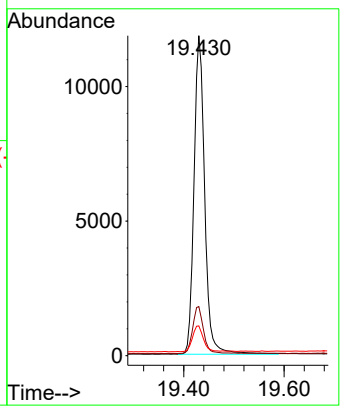


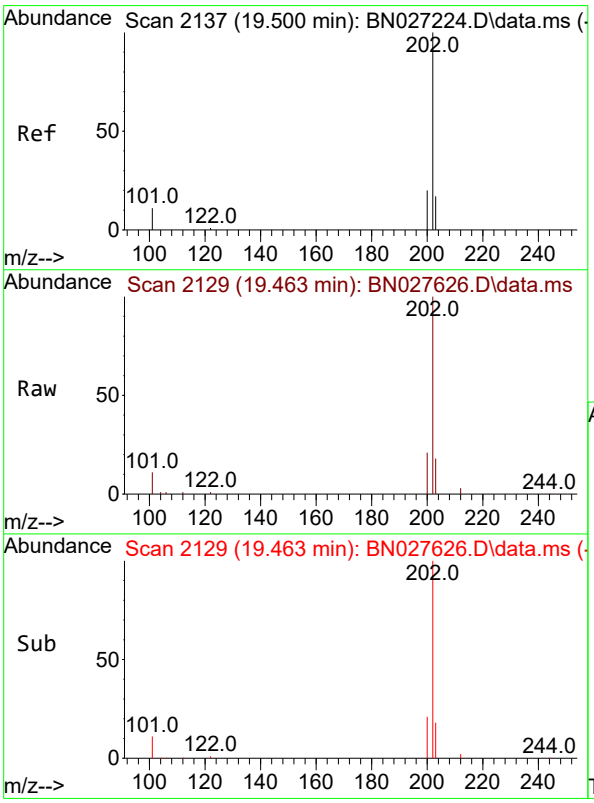
#27
Fluoranthene-d10
Concen: 0.390 ng
RT: 19.430 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 17465

Ion	Ratio	Lower	Upper
212	100		
106	15.0	12.1	18.1
104	8.3	6.9	10.3

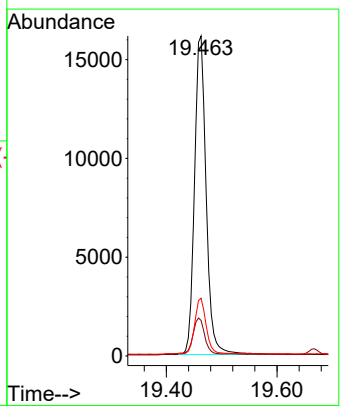


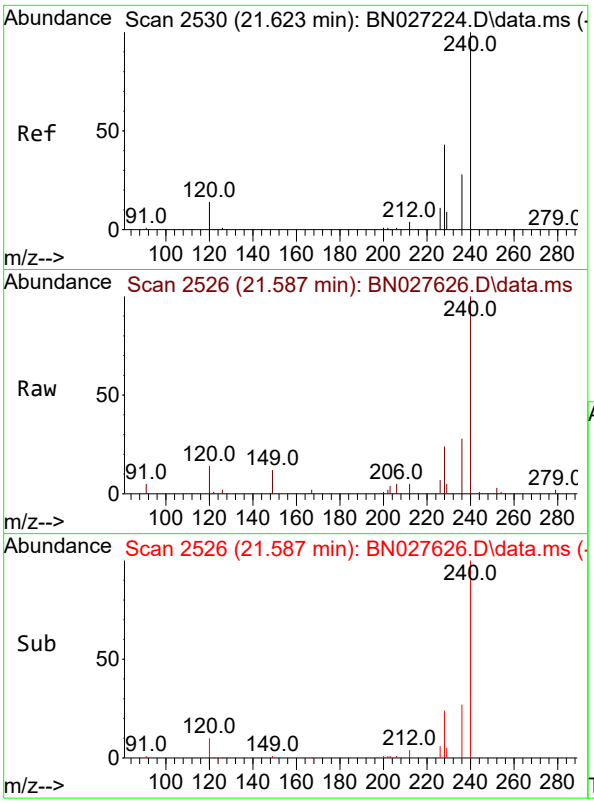


#28
Fluoranthene
Concen: 0.380 ng
RT: 19.463 min Scan# 2129
Delta R.T. -0.005 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:202 Resp: 23681

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.6	14.4
203	17.0	13.6	20.4



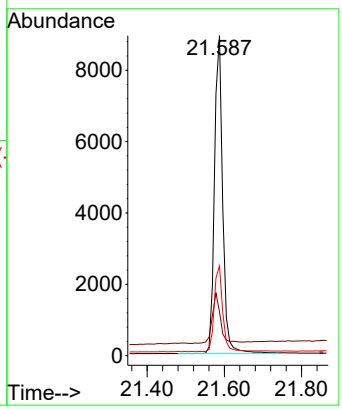


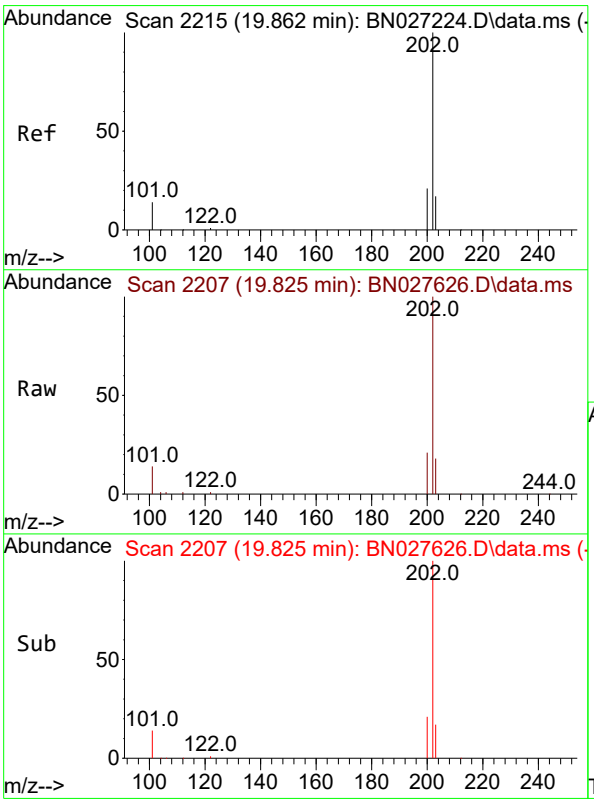
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.587 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 13167

Ion	Ratio	Lower	Upper
240	100		
120	13.8	14.2	21.4#
236	28.1	22.9	34.3

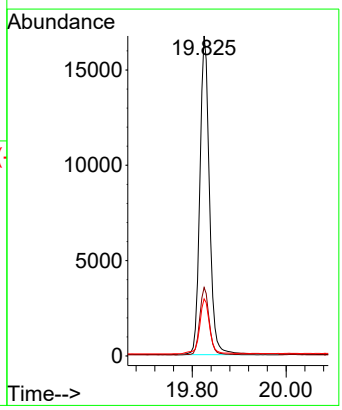


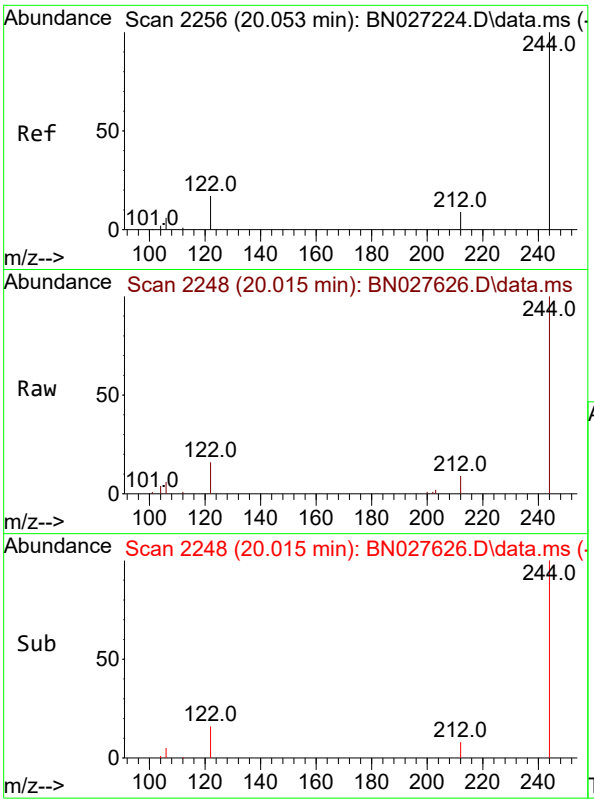


#30
Pyrene
Concen: 0.452 ng
RT: 19.825 min Scan# 2207
Delta R.T. -0.005 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:202 Resp: 23660

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	18.0	14.2	21.4



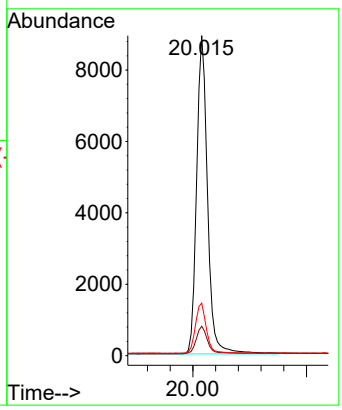


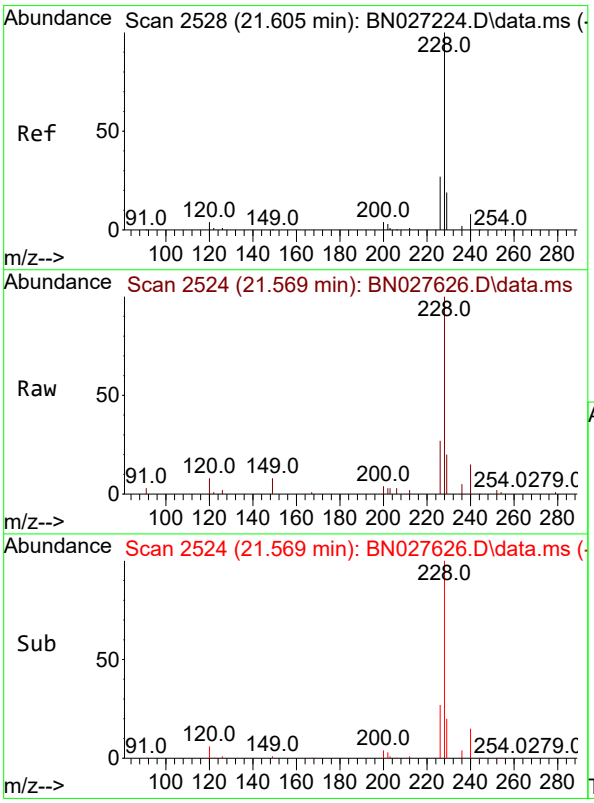
#31
Terphenyl-d14
Concen: 0.450 ng
RT: 20.015 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 11893

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.5	11.3
122	16.5	14.0	21.0

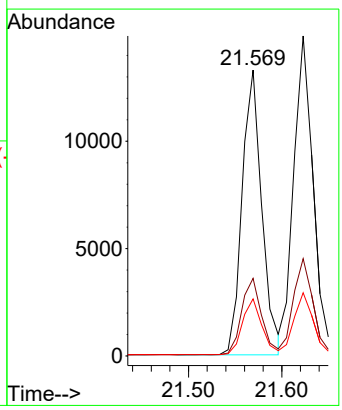


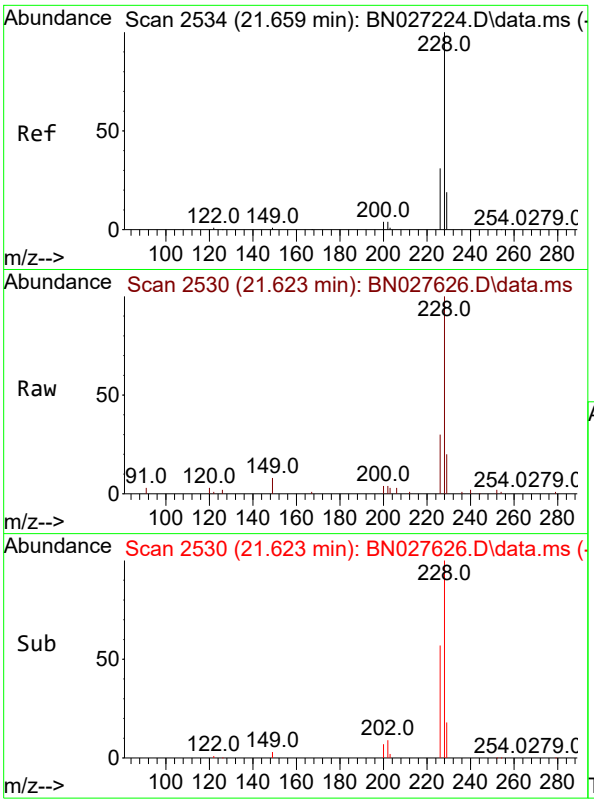


#32
Benzo(a)anthracene
Concen: 0.432 ng
RT: 21.569 min Scan# 2524
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:228 Resp: 19499

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	20.0	15.7	23.5



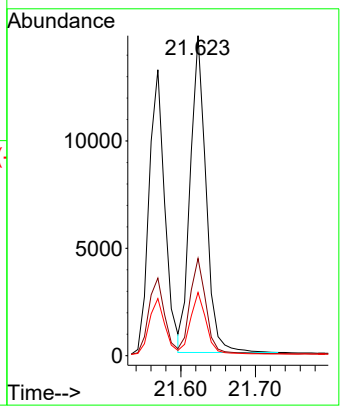


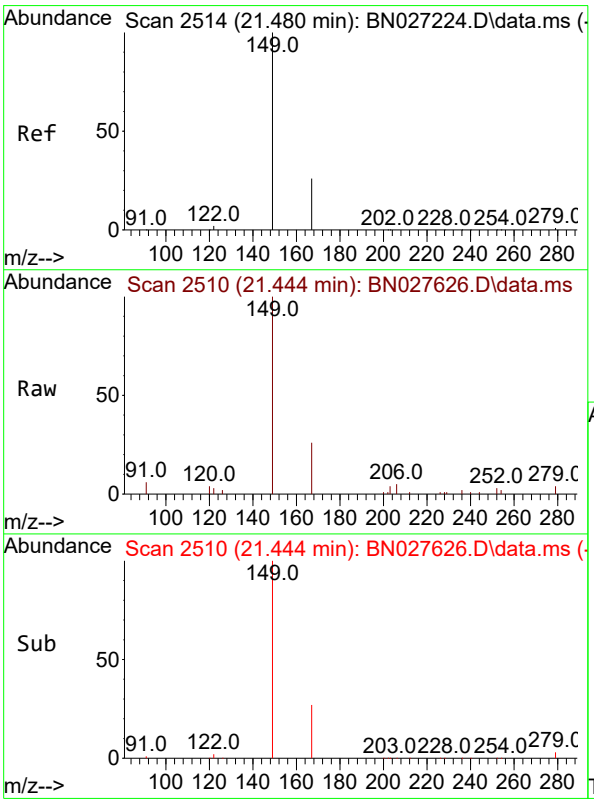
#33
Chrysene
Concen: 0.435 ng
RT: 21.623 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 21580

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.8	15.4	23.2

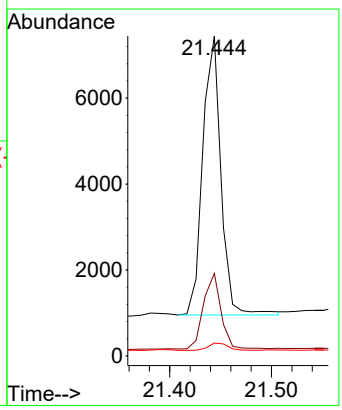


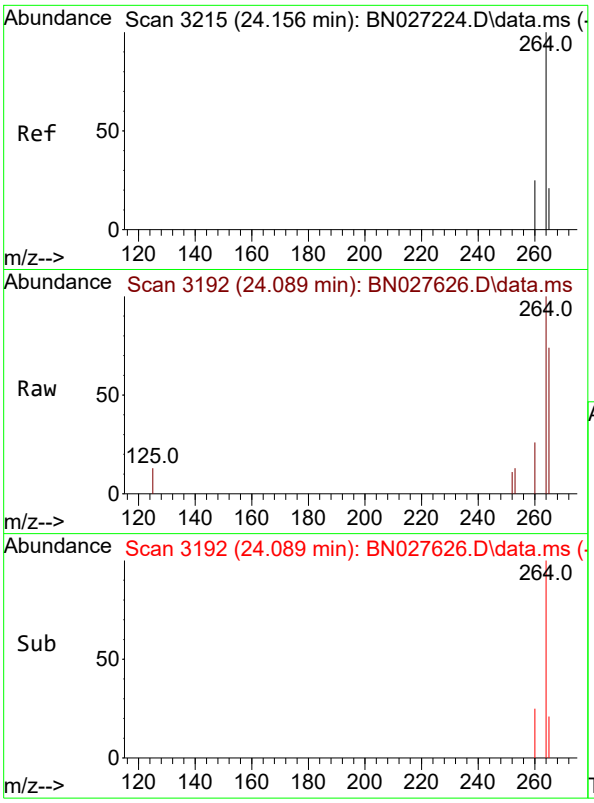


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.370 ng
RT: 21.444 min Scan# 2510
Delta R.T. 0.000 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:149 Resp: 8063

Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.1	33.1
279	2.9	2.7	4.1



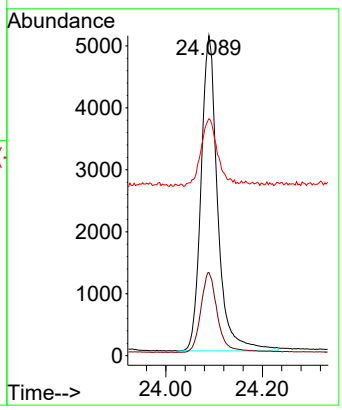


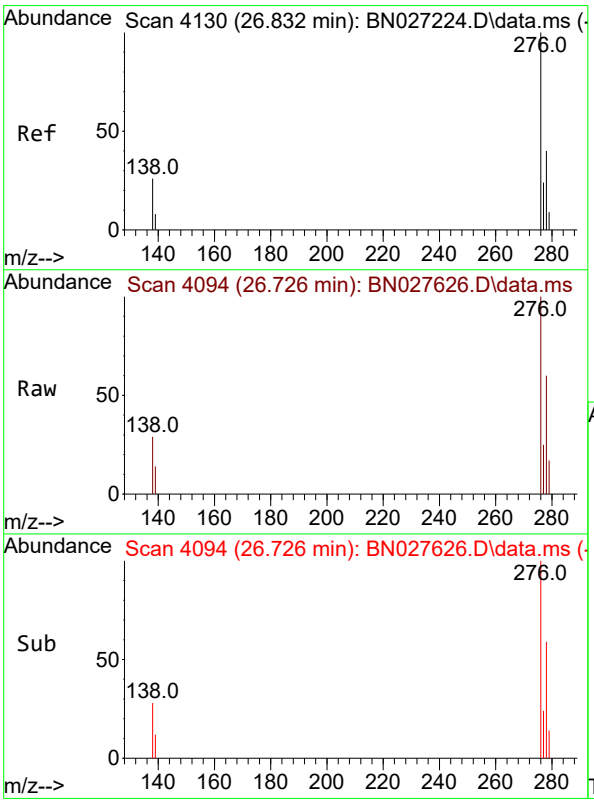
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.089 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 12129

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.7	31.1
265	74.0	53.3	79.9

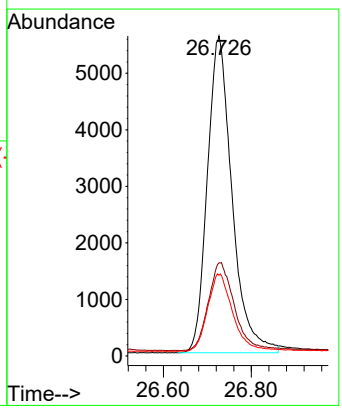


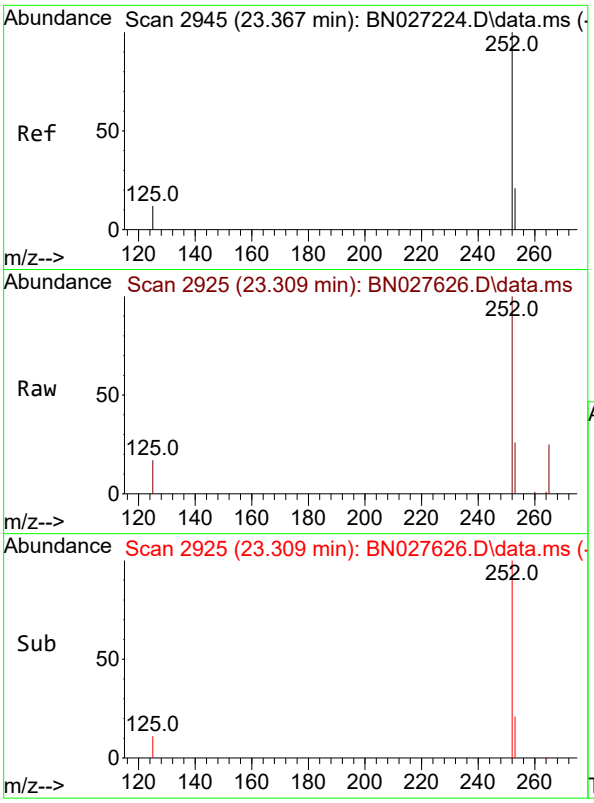


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.444 ng
RT: 26.726 min Scan# 4094
Delta R.T. -0.003 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:276 Resp: 21851

Ion	Ratio	Lower	Upper
276	100		
138	29.4	23.4	35.2
277	25.0	19.8	29.8



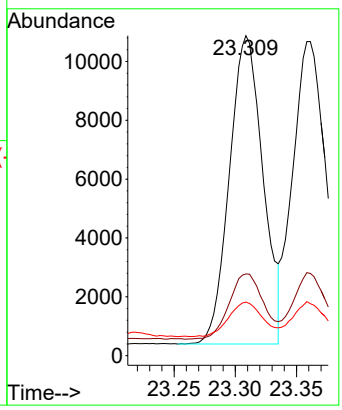


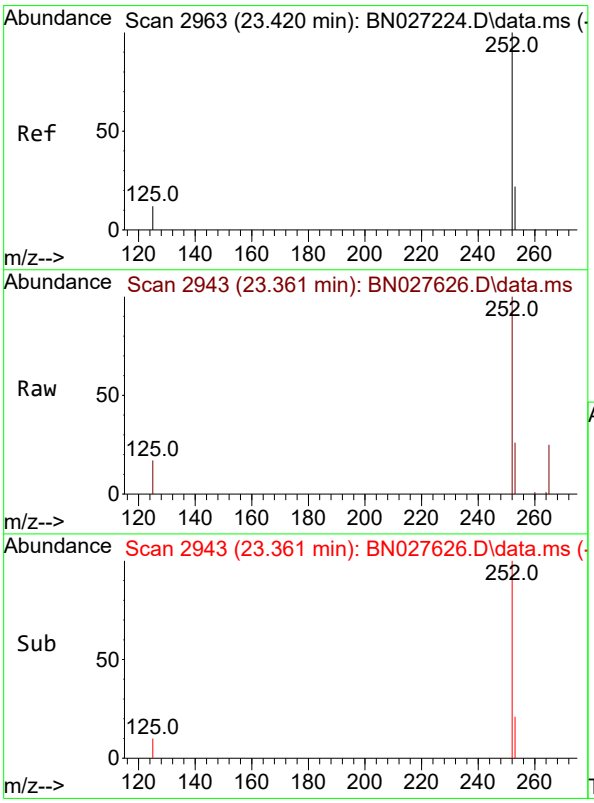
#37
Benzo(b)fluoranthene
Concen: 0.425 ng
RT: 23.309 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 19952

Ion	Ratio	Lower	Upper
252	100		
253	25.6	19.9	29.9
125	16.7	13.8	20.6

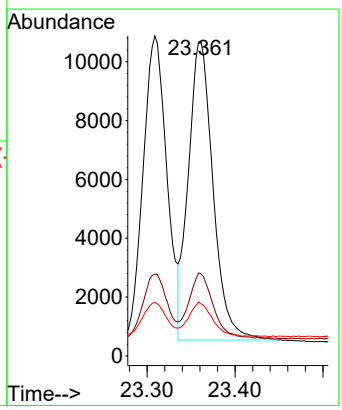


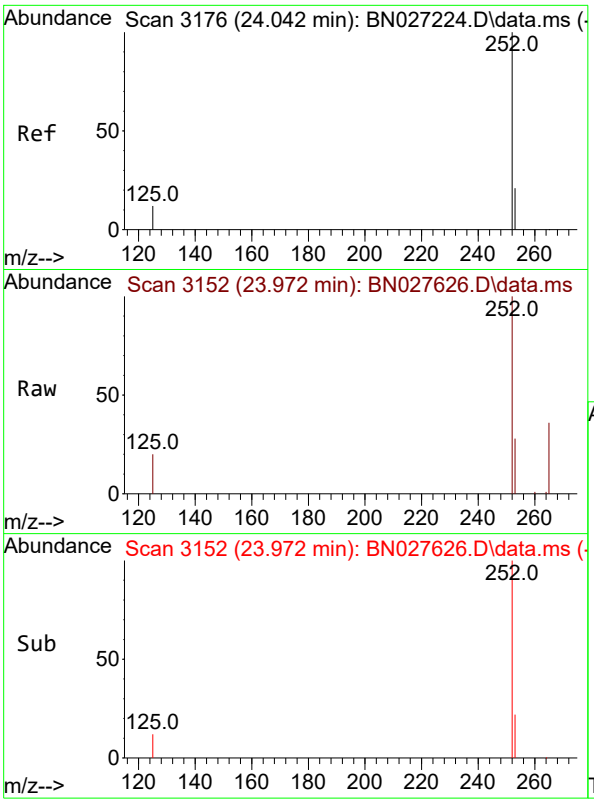


#38
Benzo(k)fluoranthene
Concen: 0.411 ng
RT: 23.361 min Scan# 2943
Delta R.T. -0.006 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:252 Resp: 19839

Ion	Ratio	Lower	Upper
252	100		
253	26.2	20.2	30.2
125	16.5	14.1	21.1



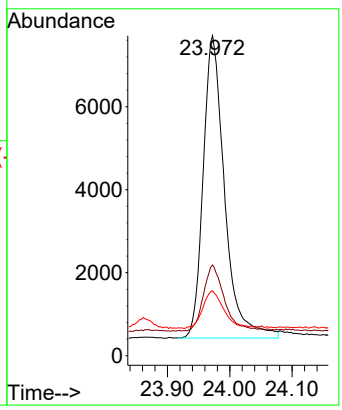


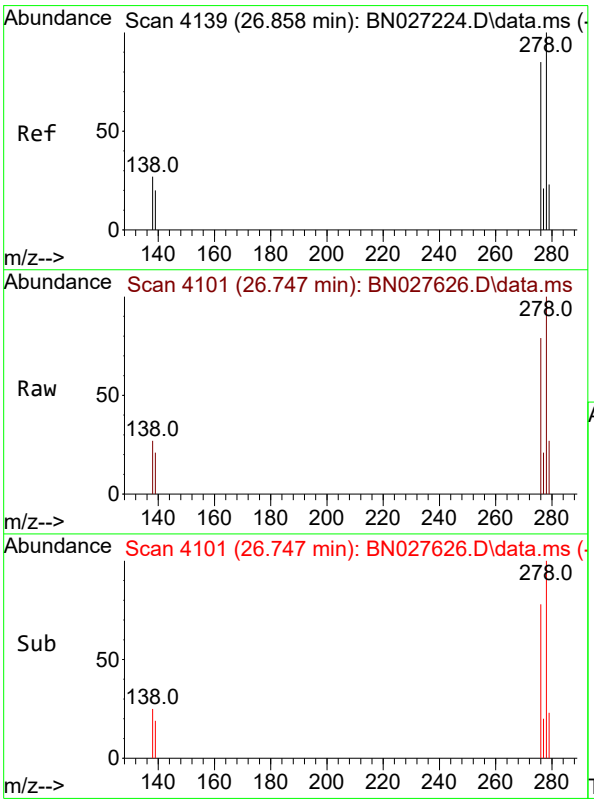
#39
Benzo(a)pyrene
Concen: 0.397 ng
RT: 23.972 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 17413

Ion	Ratio	Lower	Upper
252	100		
253	28.3	21.4	32.0
125	20.3	16.5	24.7

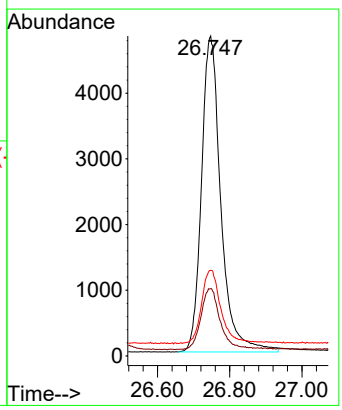


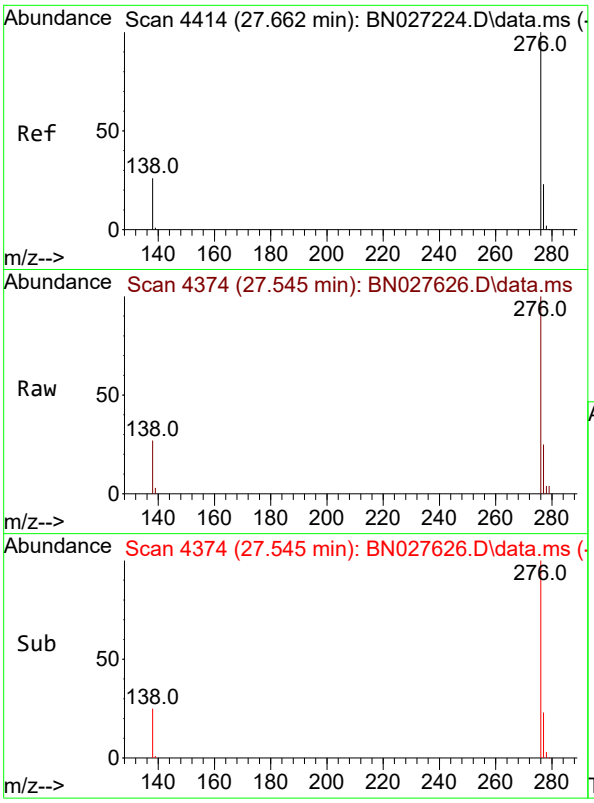


#40
Dibenzo(a,h)anthracene
Concen: 0.465 ng
RT: 26.747 min Scan# 4101
Delta R.T. -0.009 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Tgt Ion:278 Resp: 17951

Ion	Ratio	Lower	Upper
278	100		
139	21.1	17.9	26.9
279	26.7	21.8	32.6





#41
Benzo(g,h,i)perylene
Concen: 0.444 ng
RT: 27.545 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN027626.D
Acq: 13 Sep 2023 02:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 19875

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.6	29.4
138	26.7	22.1	33.1