Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111621\
Data File : BN017474.D
Acq On : 16 Nov 2021 15:10
Operator : CG/JU
Sample : PB140437BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Quant Time: Nov 16 15:44:16 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 16 14:06:59 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.874	152	30190	0.400	ng		0.00
7) Naphthalene-d8	10.661	136	137391	0.400	ng	#	0.00
13) Acenaphthene-d10	14.498	164	69926	0.400	ng		0.00
19) Phenanthrene-d10	17.238	188	114757	0.400	ng		0.00
29) Chrysene-d12	21.430	240	76077	0.400	ng	#	0.01
35) Perylene-d12	23.800	264	53076	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.477	112	23866	0.332	ng		0.03
5) Phenol-d6	7.044	99	25497	0.330	ng		0.00
8) Nitrobenzene-d5	9.014	82	26067	0.306	ng		0.00
11) 2-Methylnaphthalene-d10	12.253	152	66173	0.293	ng		0.00
14) 2,4,6-Tribromophenol	15.983	330	3280	0.185	ng		0.00
15) 2-Fluorobiphenyl	13.128	172	91695	0.348	ng		0.00
27) Fluoranthene-d10	19.272	212	92046	0.269	ng		0.00
31) Terphenyl-d14	19.868	244	74128	0.397	ng		0.00
Target Compounds							Qvalue
6) bis(2-Chloroethyl)ether	7.293	93	683	0.008	ng		95
9) Naphthalene	10.712	128	3302	0.010	ng	#	93
10) Hexachlorobutadiene	11.016	225	423	0.006	ng	#	96
12) 2-Methylnaphthalene	12.324	142	1747	0.008	ng	#	95
16) Acenaphthylene	14.206	152	1313	0.005	ng		95
17) Acenaphthene	14.549	154	1148	0.006	ng		98
18) Fluorene	15.539	166	1249	0.006	ng		99
21) 4-Bromophenyl-phenylether	16.434	248	395	0.006	ng		84
22) Hexachlorobenzene	16.556	284	439	0.006	ng	#	72
23) Atrazine	16.714	200	215	0.006	ng	#	62
25) Phenanthrene	17.372	178	1576	0.005	ng		98
26) Anthracene	17.372	178	1545	0.006	ng		99
28) Fluoranthene	19.297	202	2422	0.007	ng	#	94
30) Pyrene	19.665	202	2258	0.008	ng		97
32) Benzo(a)anthracene	21.409	228	2390	0.010	ng		94
33) Chrysene	21.462	228	2047	0.008	ng		94
37) Benzo(b)fluoranthene	23.082	252	2494	0.013	ng	#	14
38) Benzo(k)fluoranthene	23.130	252	2628	0.014	ng	#	1
39) Benzo(a)pyrene	23.694	252	1985	0.013	ng	#	1

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

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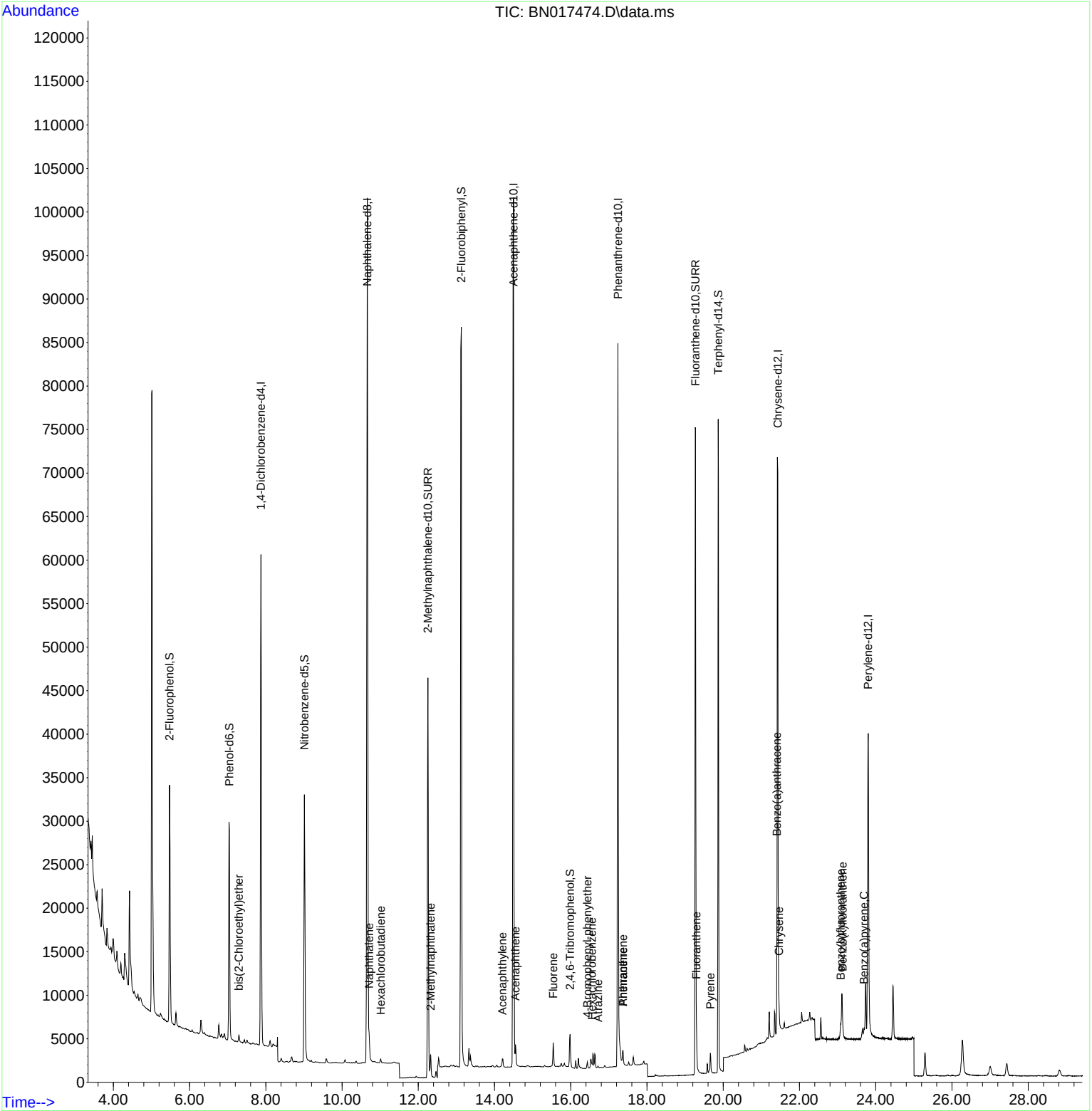
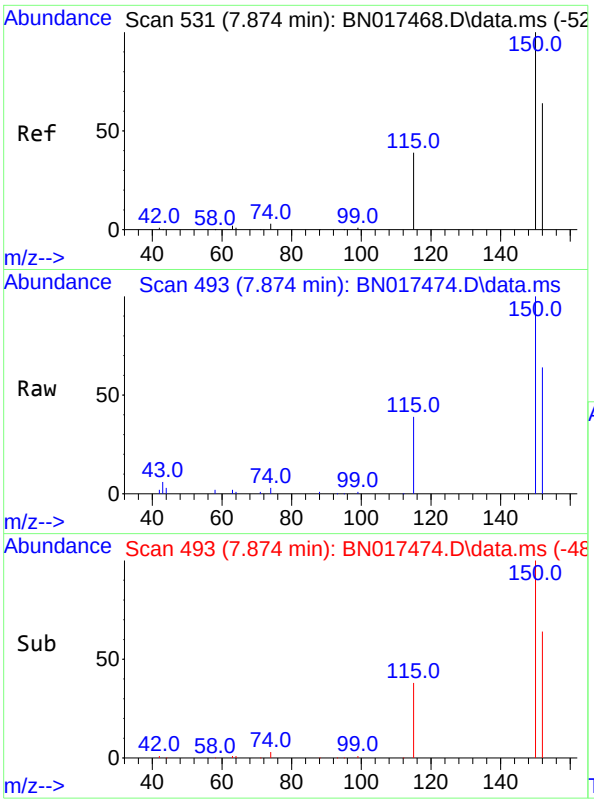


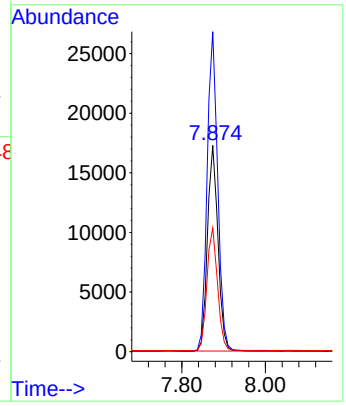


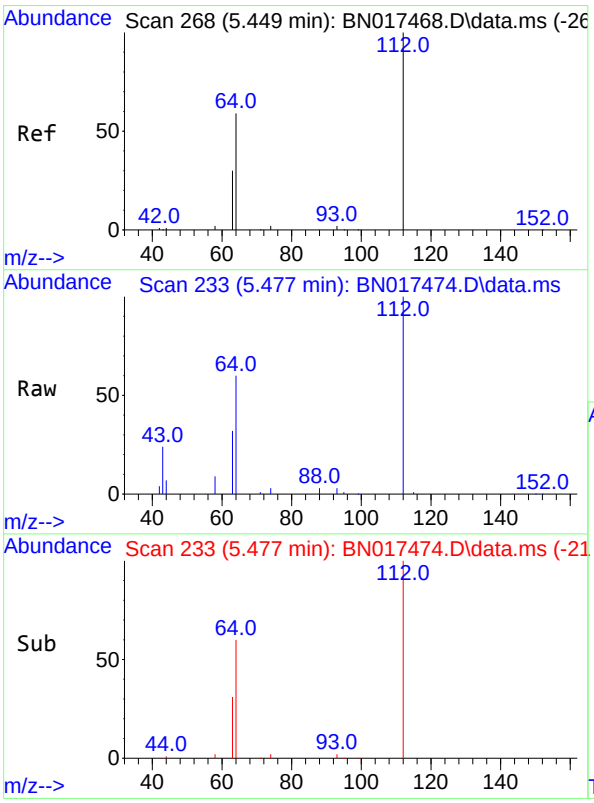
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.874 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:152 Resp: 30190

Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.0	184.4
115	60.0	45.6	68.4

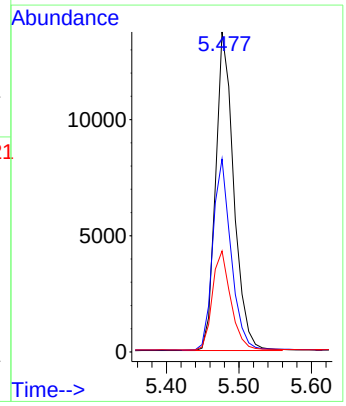


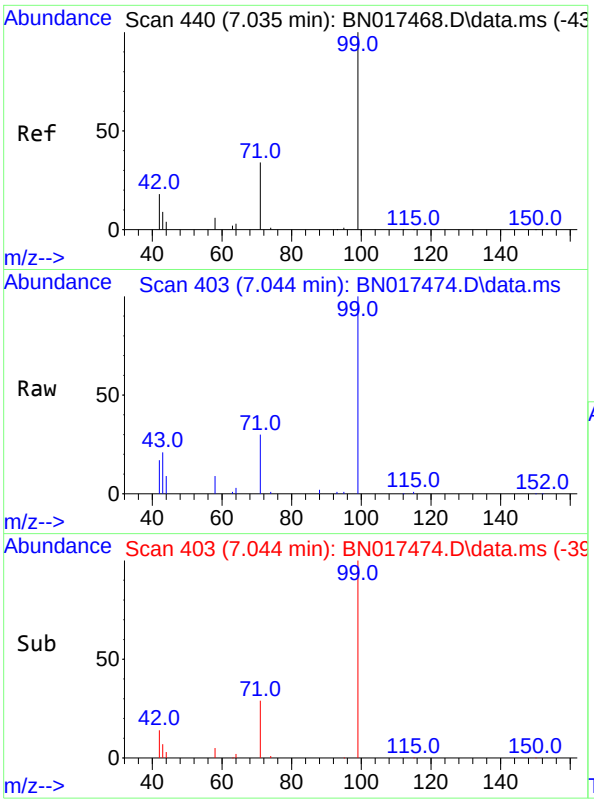


#4
2-Fluorophenol
Concen: 0.332 ng
RT: 5.477 min Scan# 233
Delta R.T. 0.028 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:112 Resp: 23866

Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.6	71.4
63	31.4	24.6	37.0



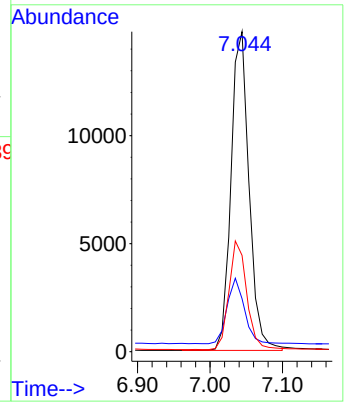


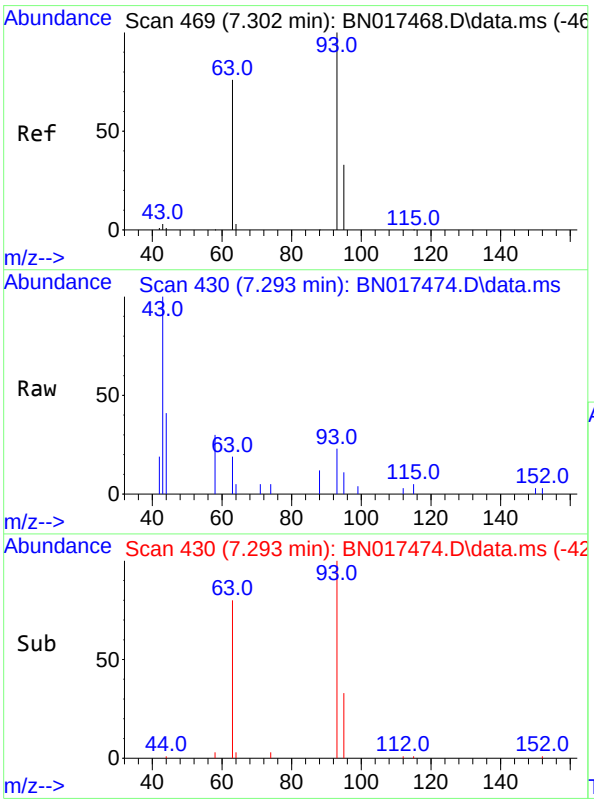
#5
Phenol-d6
Concen: 0.330 ng
RT: 7.044 min Scan# 4(
Delta R.T. 0.009 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion: 99 Resp: 25497

Ion	Ratio	Lower	Upper
99	100		
42	19.7	17.0	25.6
71	33.6	24.8	37.2

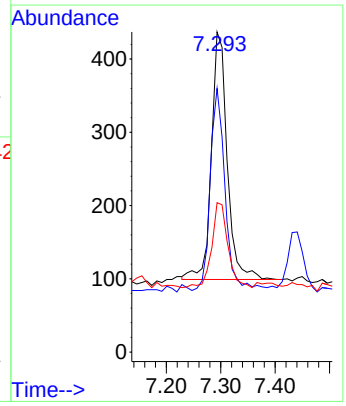


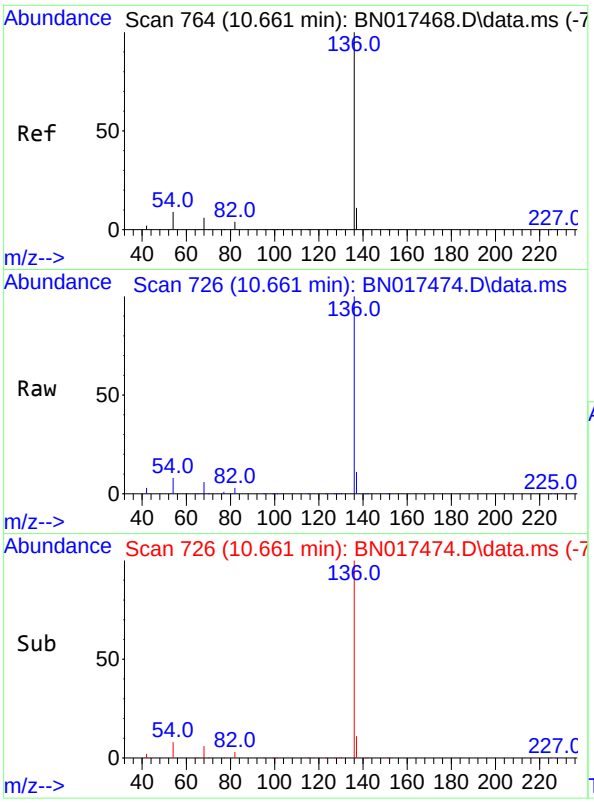


#6
bis(2-Chloroethyl)ether
Concen: 0.008 ng
RT: 7.293 min Scan# 430
Delta R.T. -0.009 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion: 93 Resp: 683

Ion	Ratio	Lower	Upper
93	100		
63	77.3	65.8	98.6
95	35.0	26.6	39.8



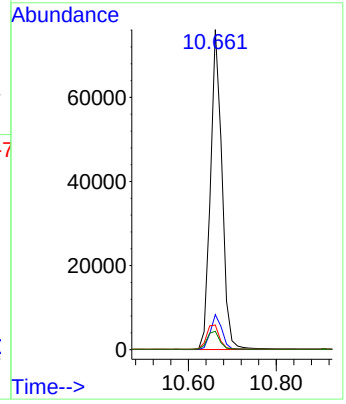


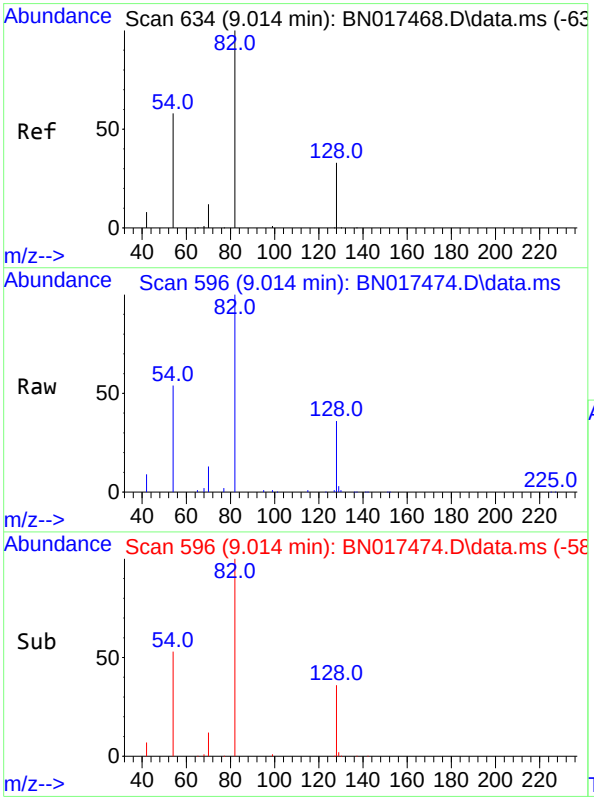
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.661 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:136 Resp: 137391

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.7	4.0	6.0#
68	5.8	3.0	4.6#

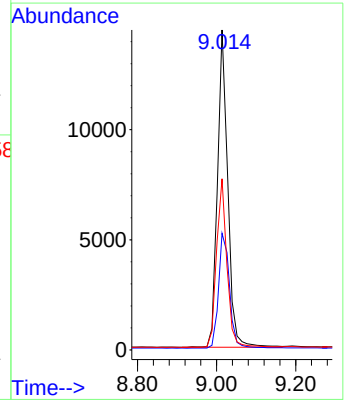


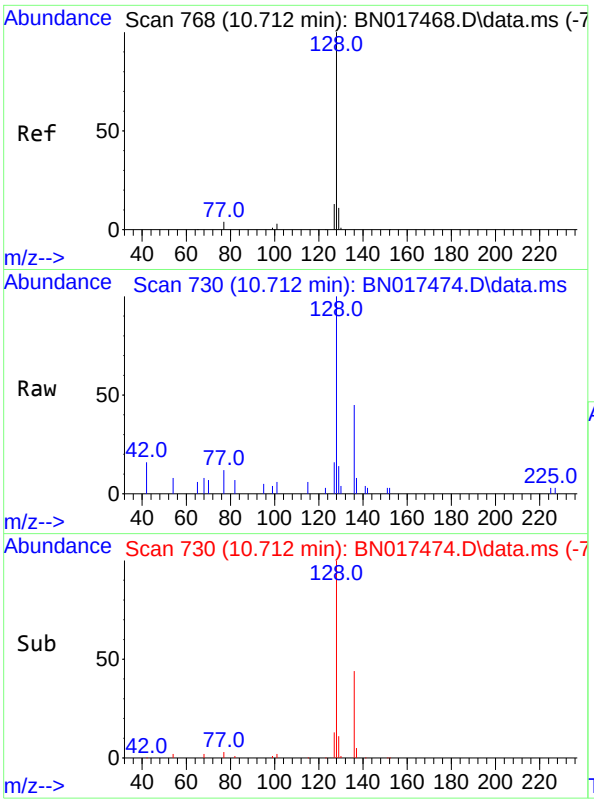


#8
Nitrobenzene-d5
Concen: 0.306 ng
RT: 9.014 min Scan# 596
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion: 82 Resp: 26067

Ion	Ratio	Lower	Upper
82	100		
128	36.4	27.7	41.5
54	53.5	49.2	73.8



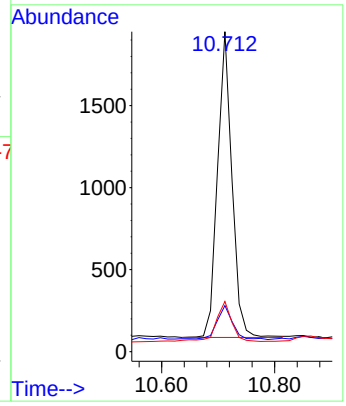


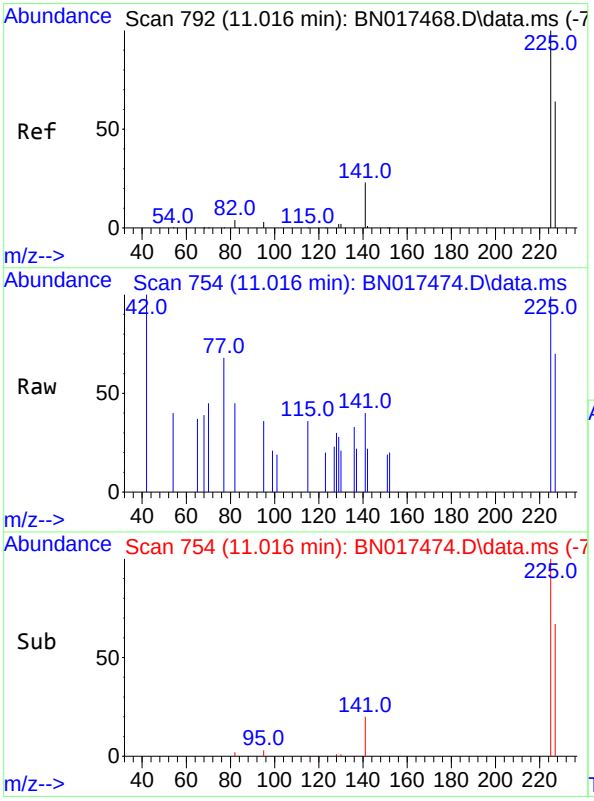
#9
Naphthalene
Concen: 0.010 ng
RT: 10.712 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:128 Resp: 3302

Ion	Ratio	Lower	Upper
128	100		
129	14.4	8.8	13.2#
127	15.7	10.6	15.8

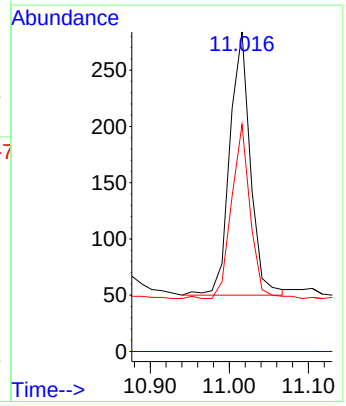


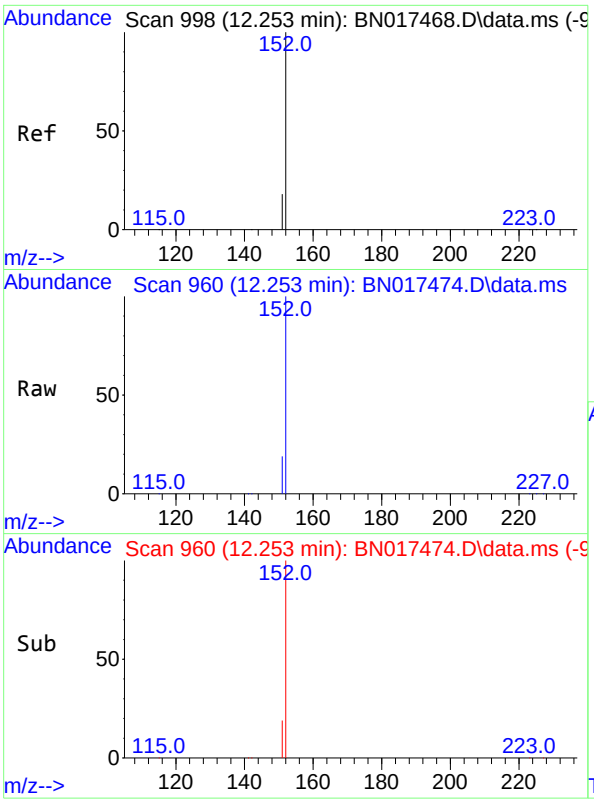


#10
Hexachlorobutadiene
Concen: 0.006 ng
RT: 11.016 min Scan# 754
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:225 Resp: 423

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	60.5	51.1	76.7



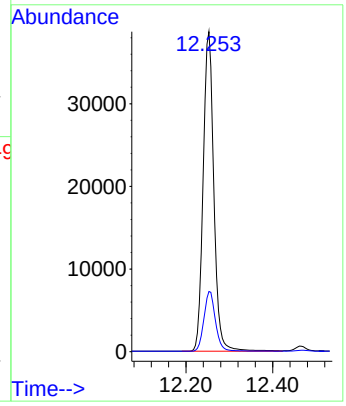


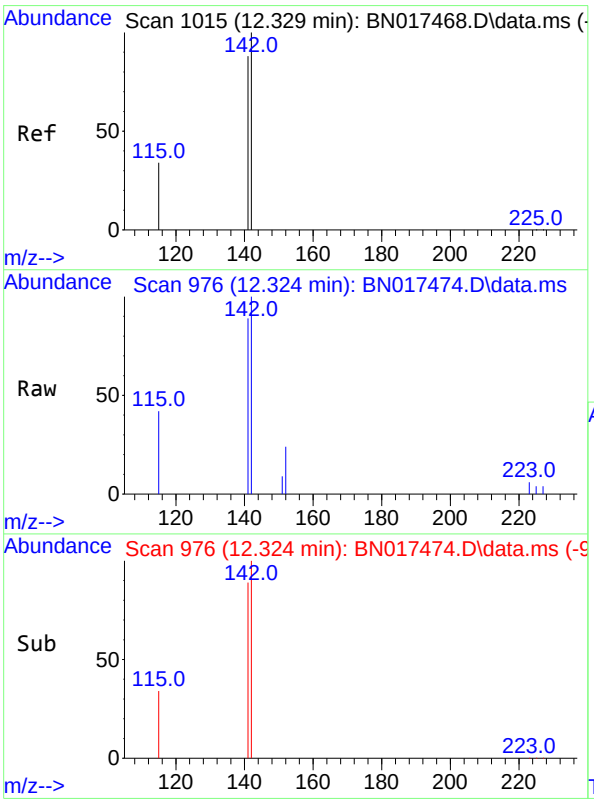
#11
2-Methylnaphthalene-d10
Concen: 0.293 ng
RT: 12.253 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:152 Resp: 66173

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4

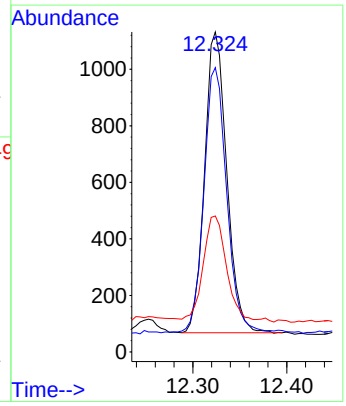


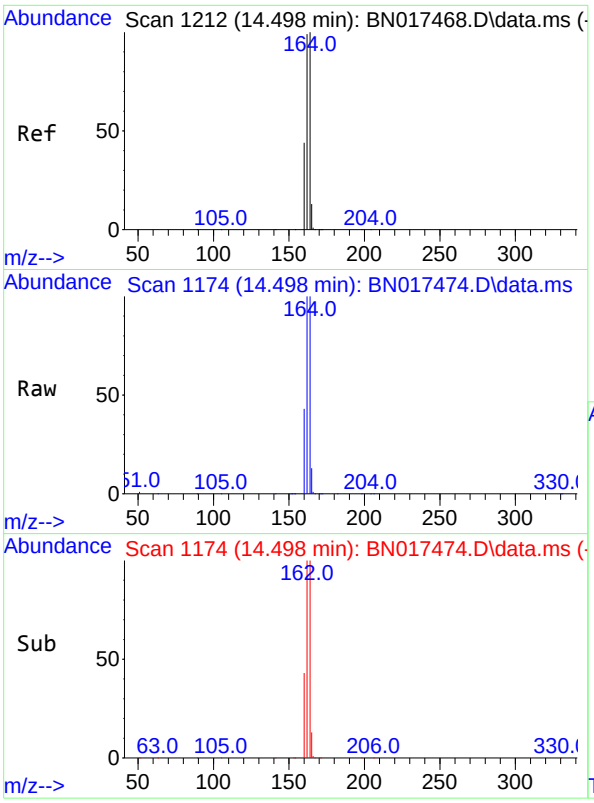


#12
2-Methylnaphthalene
Concen: 0.008 ng
RT: 12.324 min Scan# 976
Delta R.T. -0.005 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:142 Resp: 1747

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.6	106.0
115	42.5	25.8	38.6#



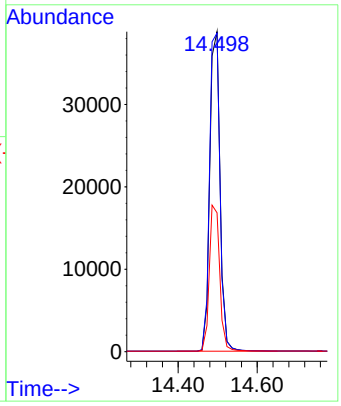


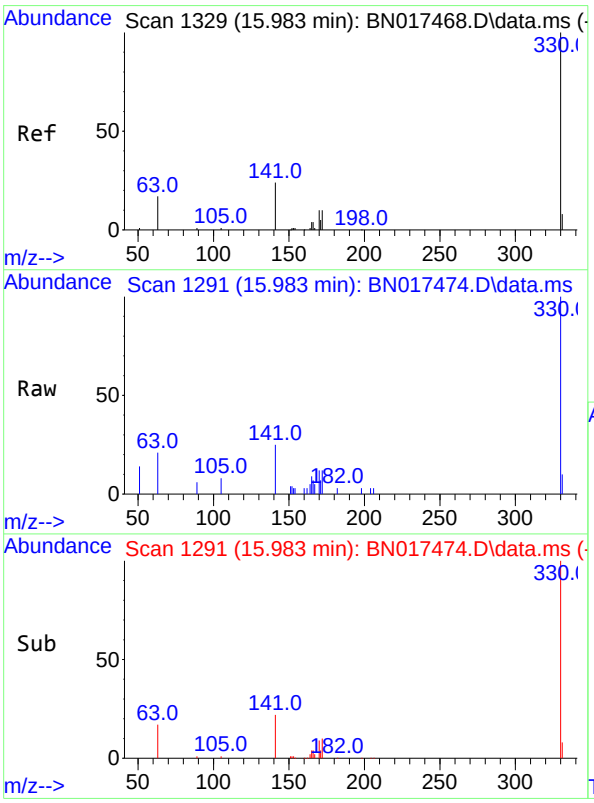
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.498 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:164 Resp: 69926

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.4	122.2
160	43.4	36.8	55.2

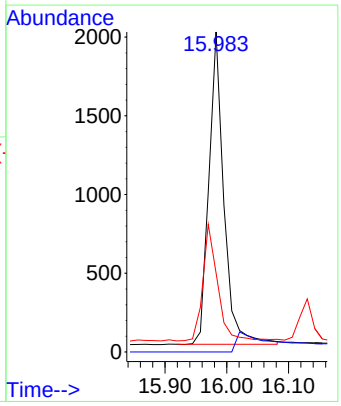


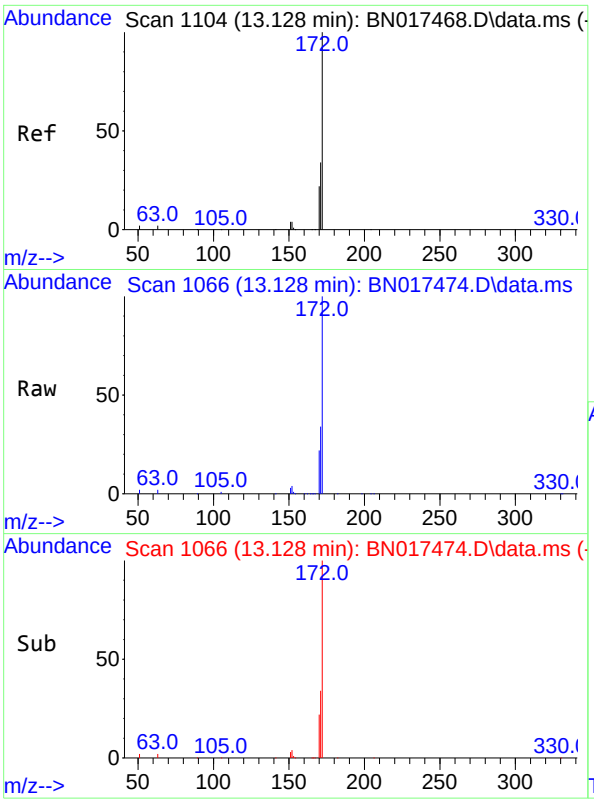


#14
2,4,6-Tribromophenol
Concen: 0.185 ng
RT: 15.983 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:330 Resp: 3280

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.2	28.9	43.3



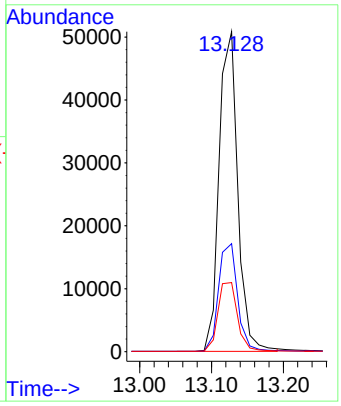


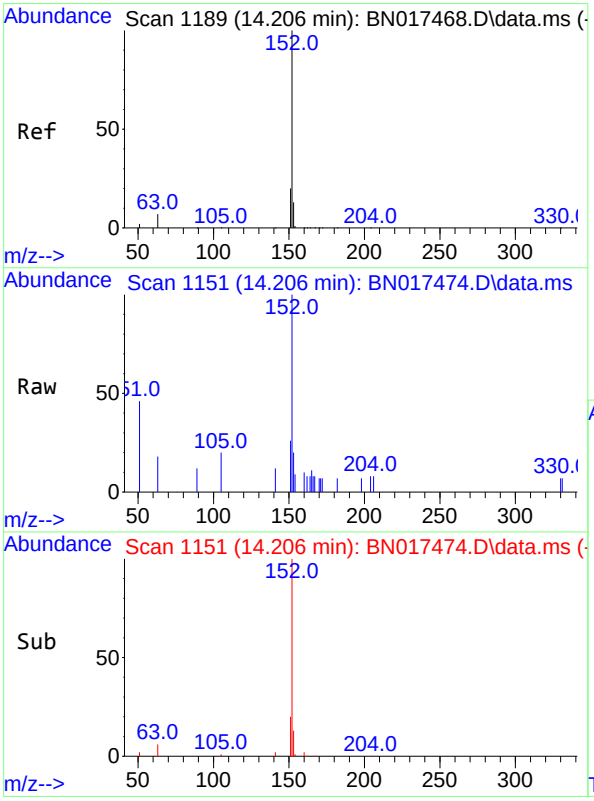
#15
2-Fluorobiphenyl
Concen: 0.348 ng
RT: 13.128 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:172 Resp: 91695

Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.7	43.1
170	21.6	19.4	29.2

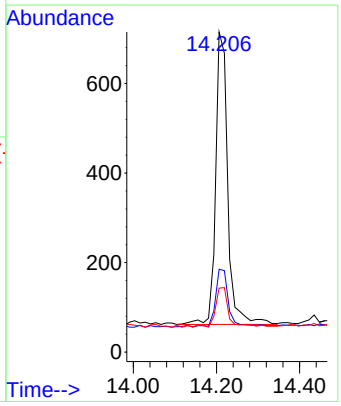


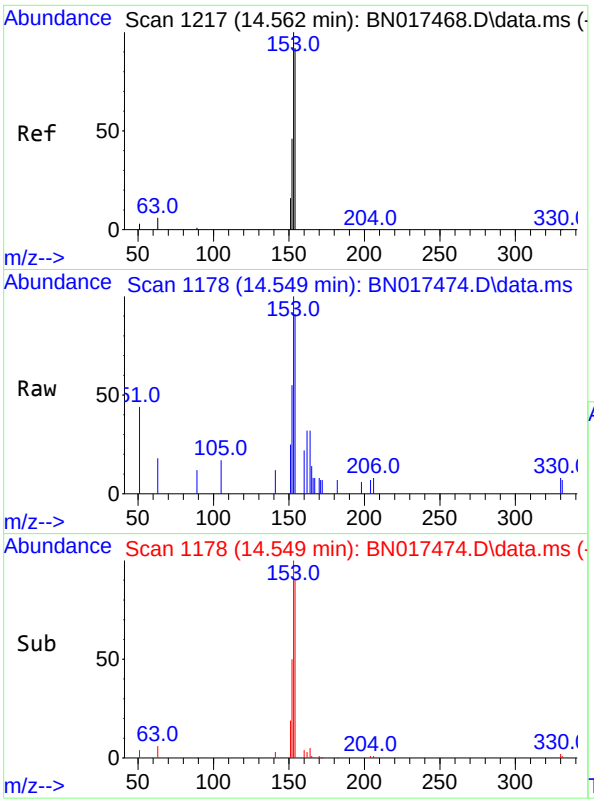


#16
Acenaphthylene
Concen: 0.005 ng
RT: 14.206 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:152 Resp: 1313

Ion	Ratio	Lower	Upper
152	100		
151	21.7	15.5	23.3
153	15.2	10.4	15.6



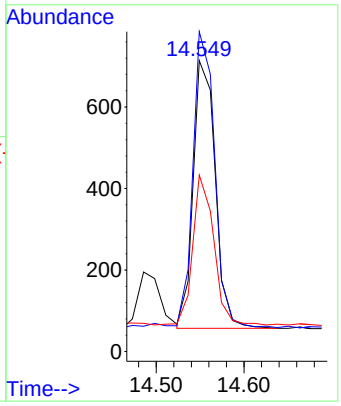


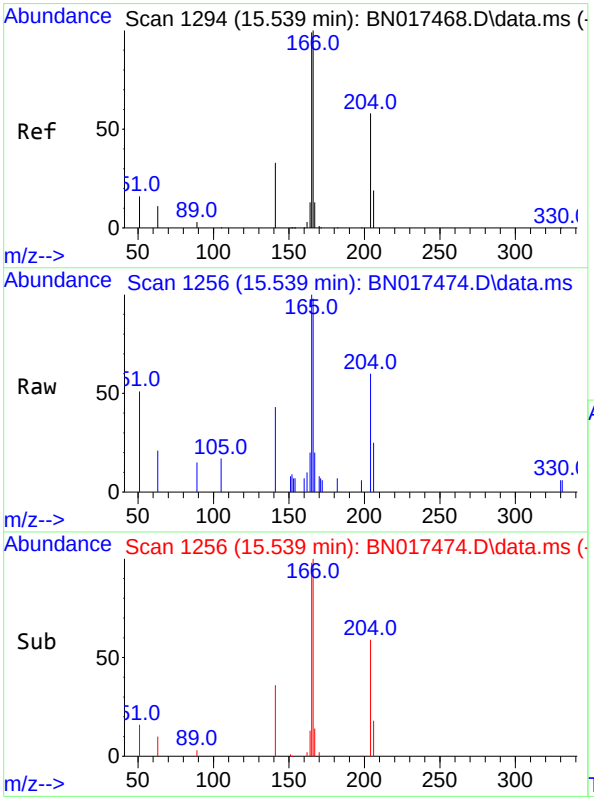
#17
Acenaphthene
Concen: 0.006 ng
RT: 14.549 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:154 Resp: 1148

Ion	Ratio	Lower	Upper
154	100		
153	112.2	91.2	136.8
152	53.2	44.3	66.5

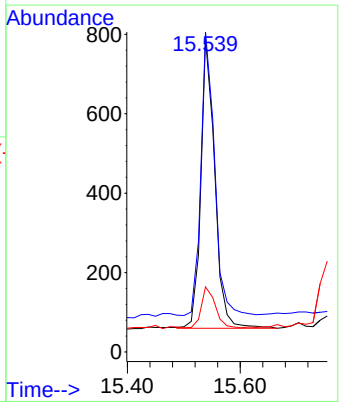


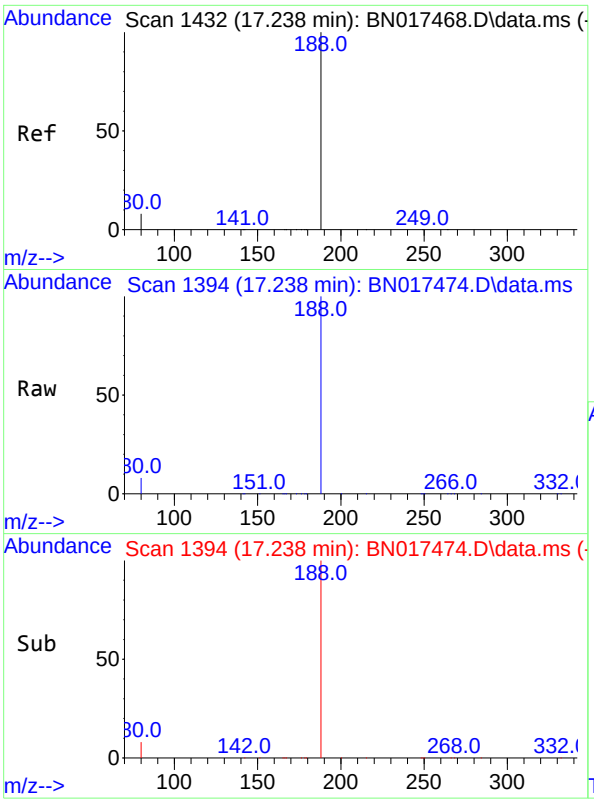


#18
Fluorene
Concen: 0.006 ng
RT: 15.539 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:166 Resp: 1249

Ion	Ratio	Lower	Upper
166	100		
165	96.2	77.9	116.9
167	14.3	10.9	16.3



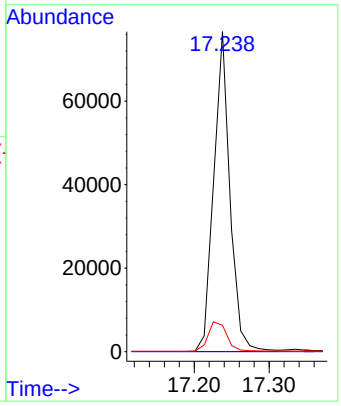


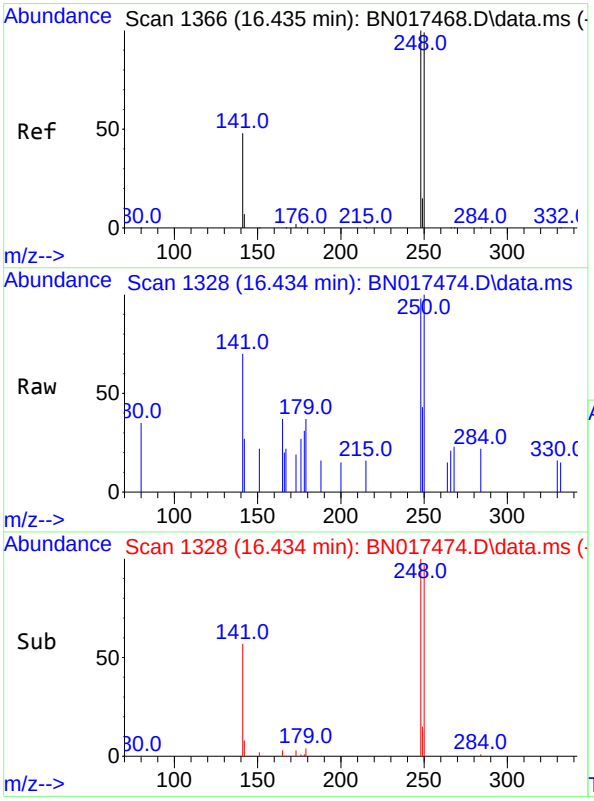
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.238 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:188 Resp: 114757

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	6.1	9.1

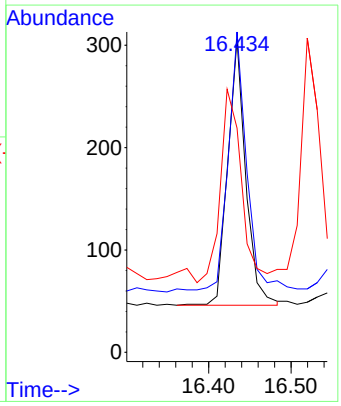


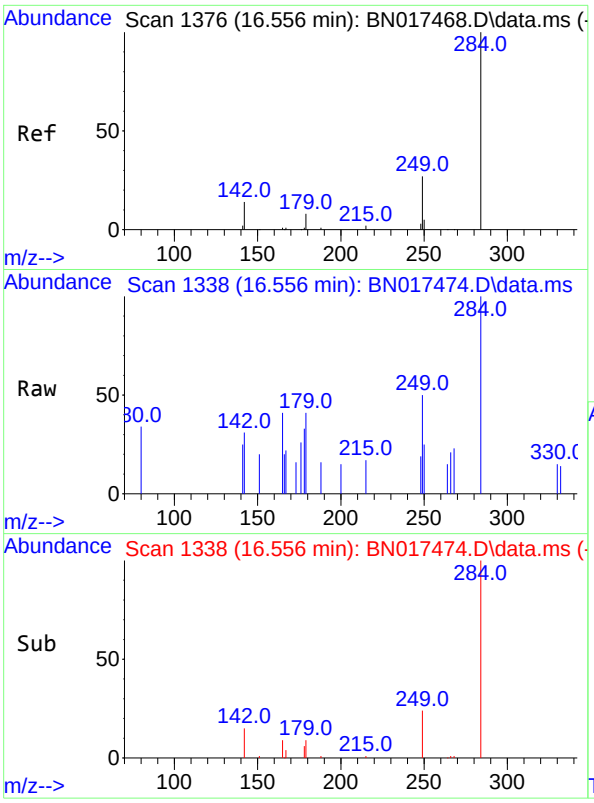


#21
4-Bromophenyl-phenylether
Concen: 0.006 ng
RT: 16.434 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:248 Resp: 395

Ion	Ratio	Lower	Upper
248	100		
250	102.3	71.8	107.8
141	71.6	70.9	106.3



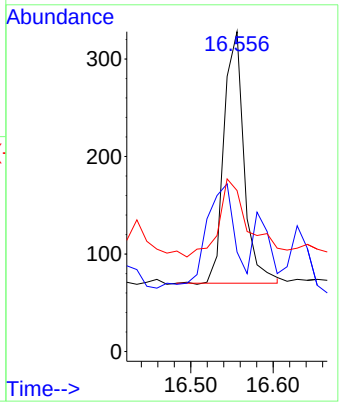


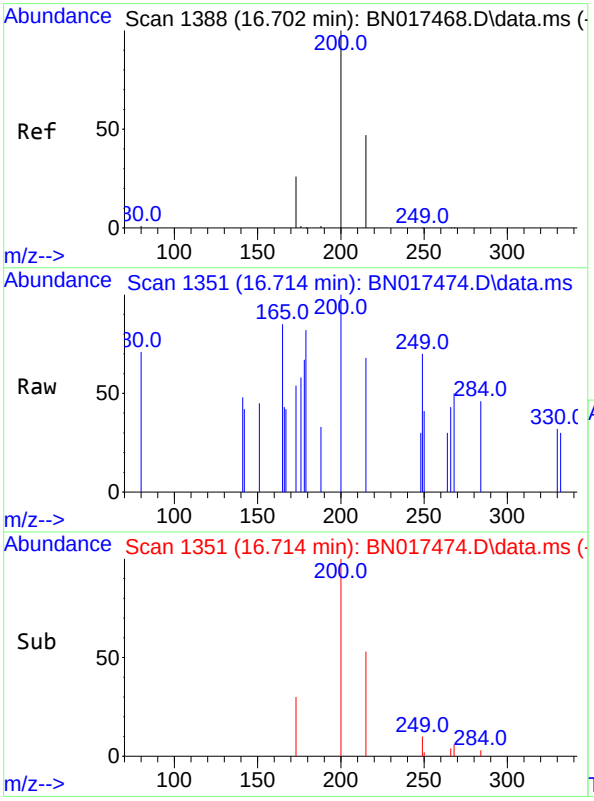
#22
Hexachlorobenzene
Concen: 0.006 ng
RT: 16.556 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:284 Resp: 439

Ion	Ratio	Lower	Upper
284	100		
142	52.6	28.2	42.2#
249	44.6	24.4	36.6#

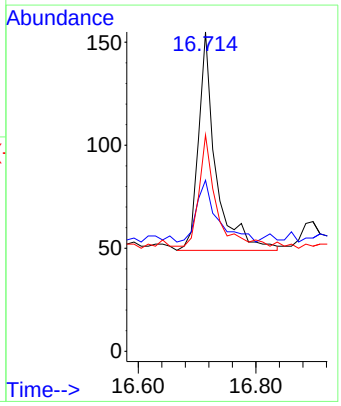


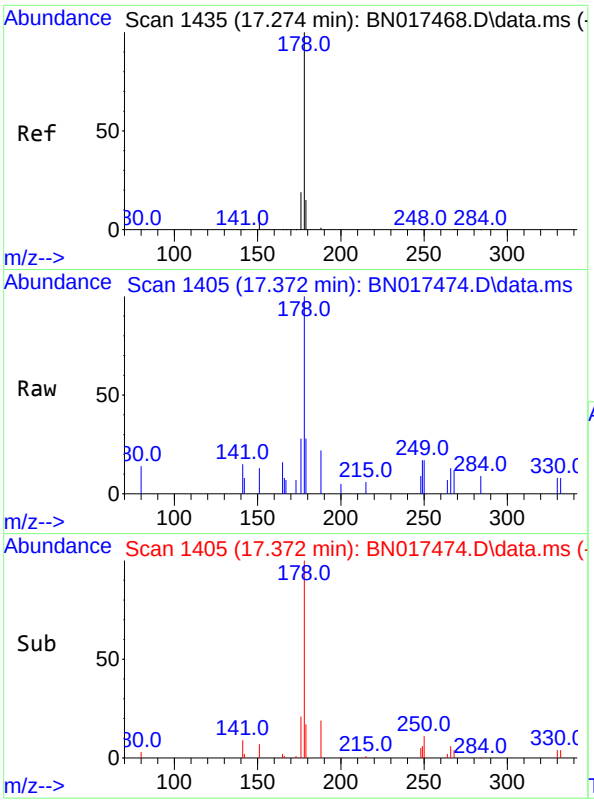


#23
Atrazine
Concen: 0.006 ng
RT: 16.714 min Scan# 1351
Delta R.T. 0.012 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:200 Resp: 215

Ion	Ratio	Lower	Upper
200	100		
173	53.5	17.6	26.4#
215	67.7	40.2	60.4#



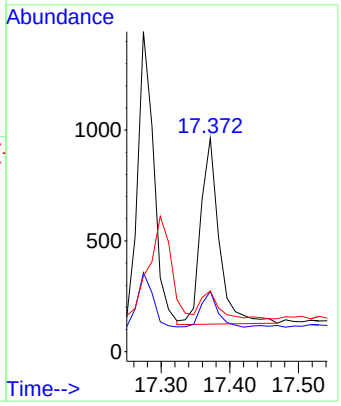


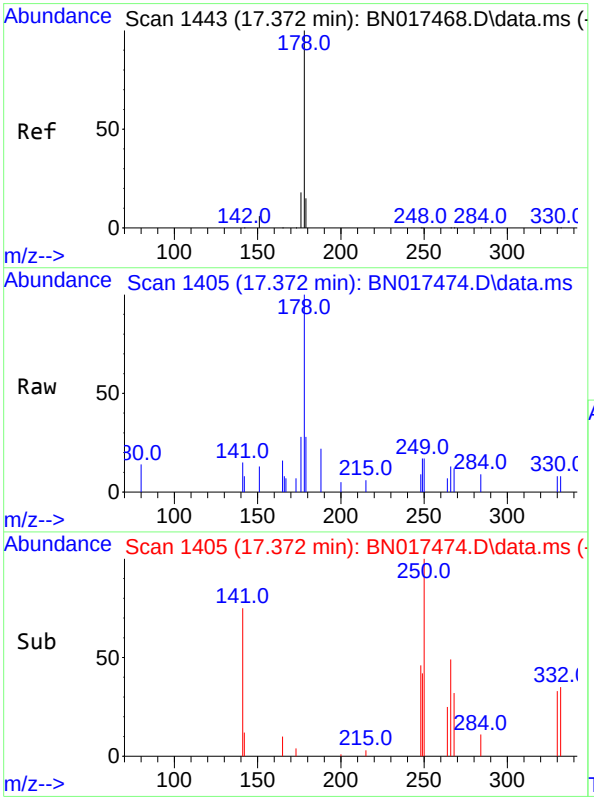
#25
Phenanthrene
Concen: 0.005 ng
RT: 17.372 min Scan# 14
Delta R.T. 0.097 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:178 Resp: 1576

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.6
179	16.6	12.3	18.5

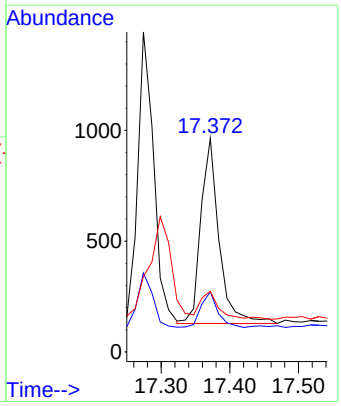


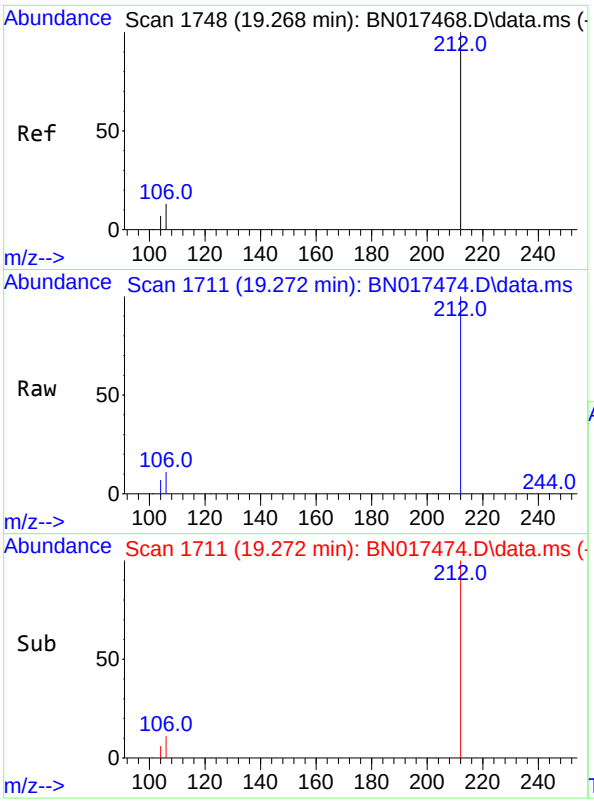


#26
Anthracene
Concen: 0.006 ng
RT: 17.372 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:178 Resp: 1545

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.6	22.0
179	15.3	12.2	18.4



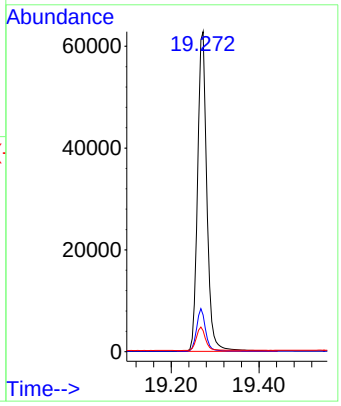


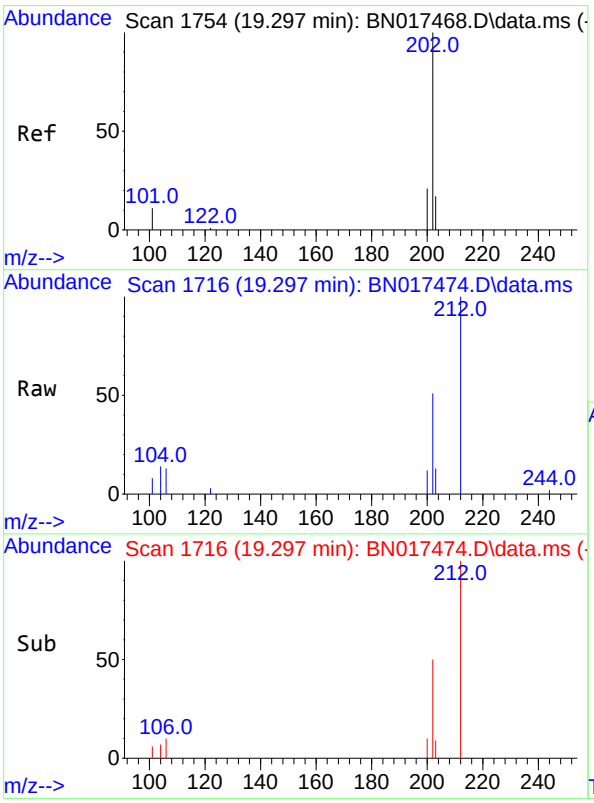
#27
Fluoranthene-d10
Concen: 0.269 ng
RT: 19.272 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:212 Resp: 92046

Ion	Ratio	Lower	Upper
212	100		
106	12.8	10.5	15.7
104	7.2	5.8	8.6

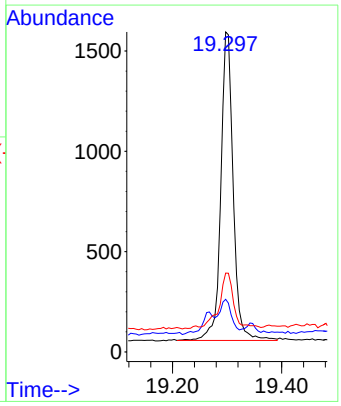


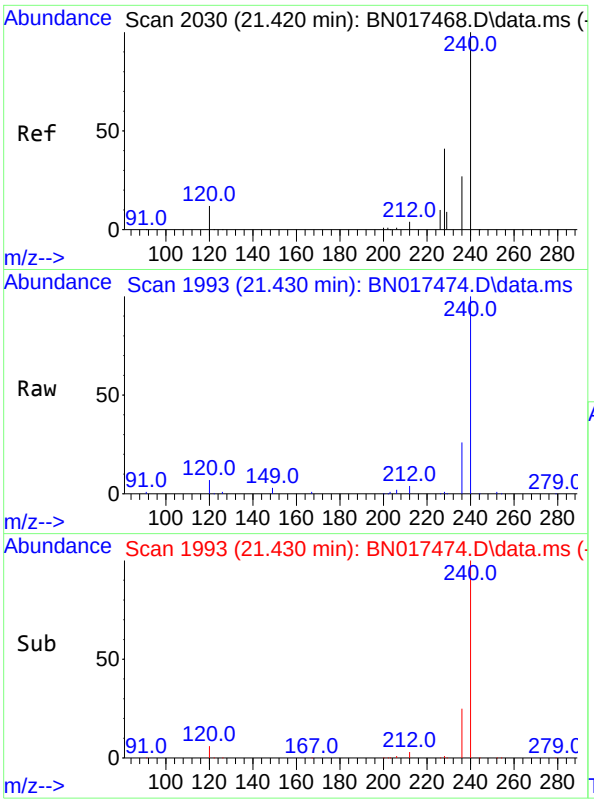


#28
Fluoranthene
Concen: 0.007 ng
RT: 19.297 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:202 Resp: 2422

Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.9	13.3
203	20.9	13.8	20.6#





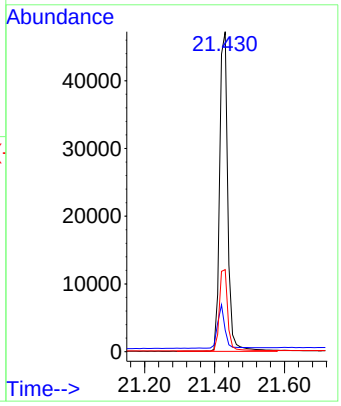
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.430 min Scan# 1

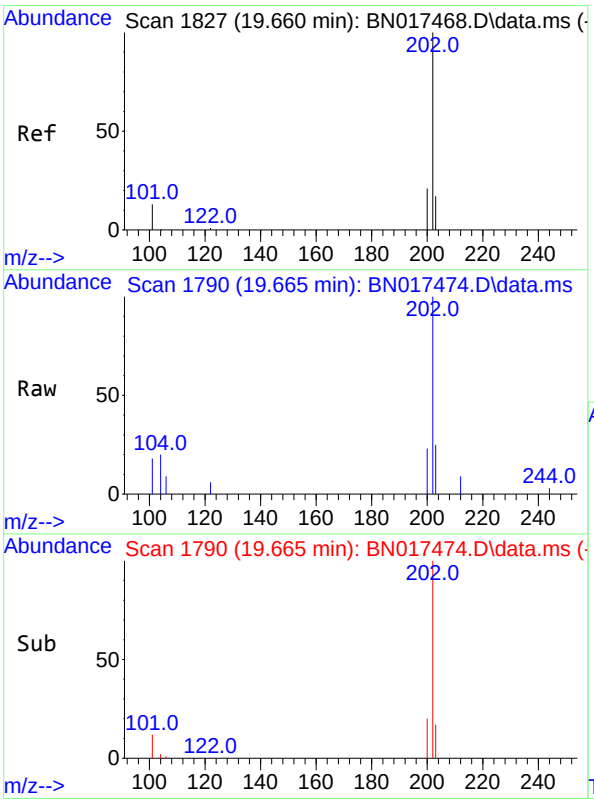
Instrument :
BNA_N
ClientSampleId :
PB140437BL

Delta R.T. 0.011 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:240 Resp: 76077

Ion	Ratio	Lower	Upper
240	100		
120	6.7	4.2	6.2#
236	25.7	20.0	30.0

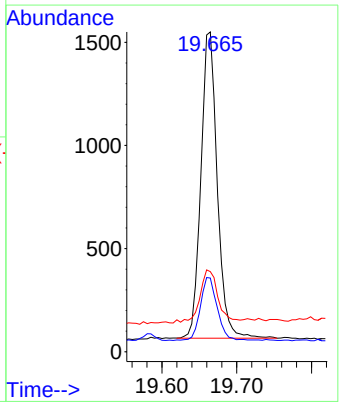


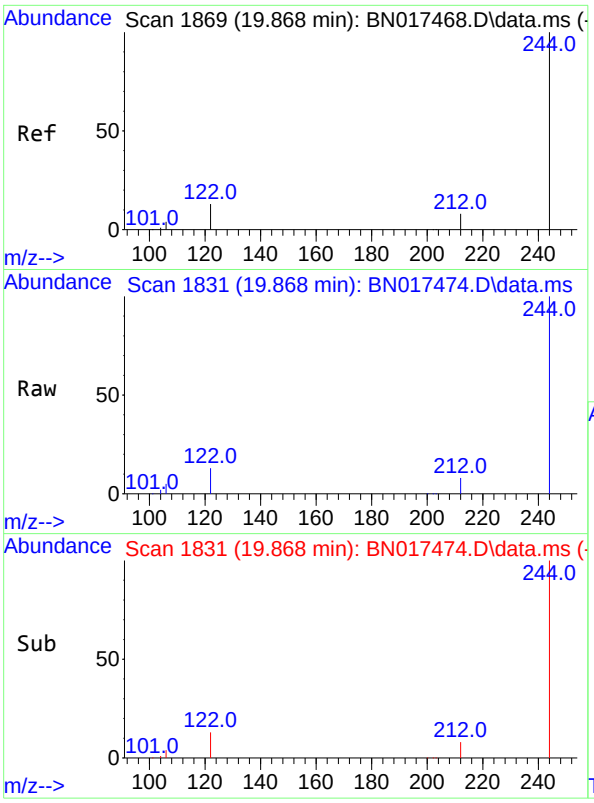


#30
Pyrene
Concen: 0.008 ng
RT: 19.665 min Scan# 1790
Delta R.T. 0.005 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:202 Resp: 2258

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.5	24.7
203	19.3	14.0	21.0



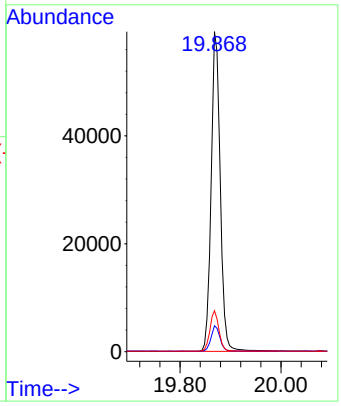


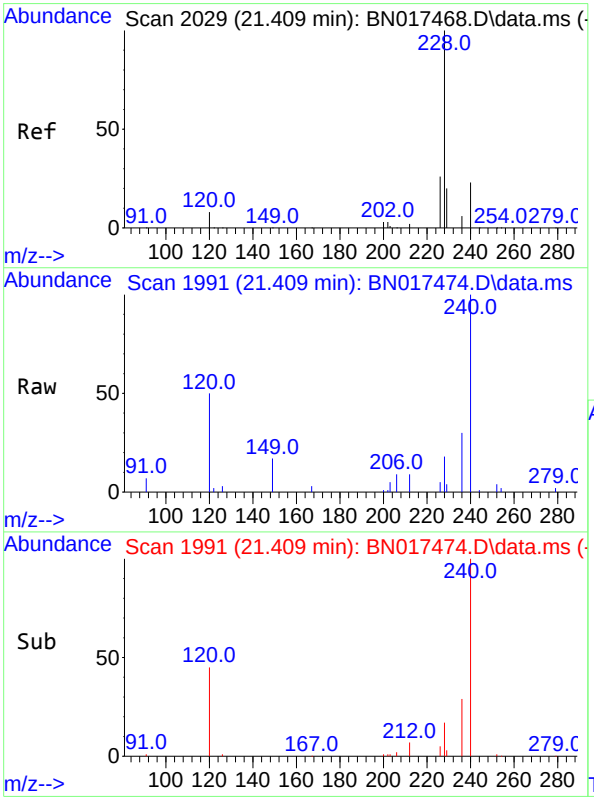
#31
Terphenyl-d14
Concen: 0.397 ng
RT: 19.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:244 Resp: 74128

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.7	8.5
122	12.8	8.6	13.0

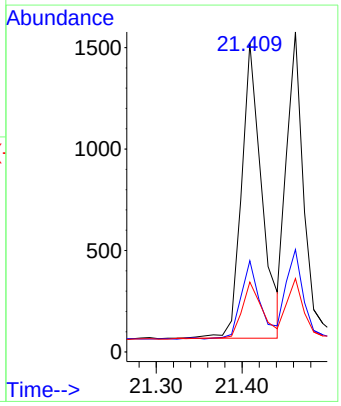


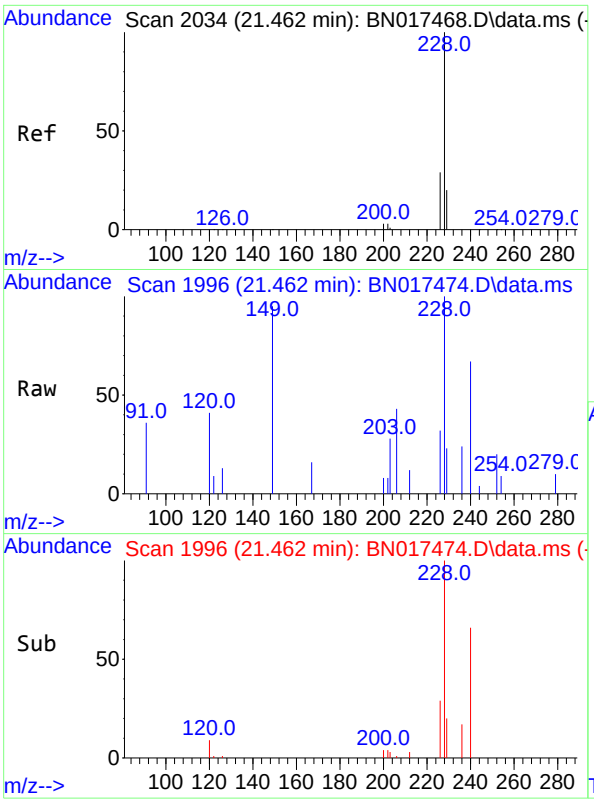


#32
Benzo(a)anthracene
Concen: 0.010 ng
RT: 21.409 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:228 Resp: 2390

Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.3	31.9
229	22.7	15.7	23.5



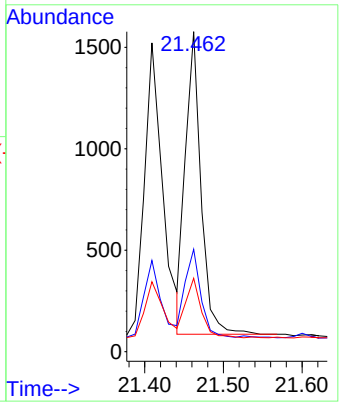


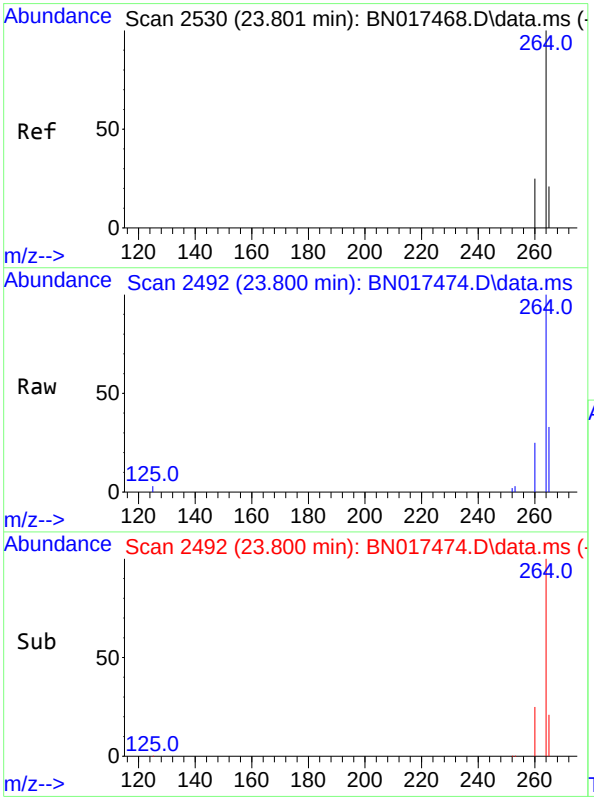
#33
Chrysene
Concen: 0.008 ng
RT: 21.462 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:228 Resp: 2047

Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.3	34.9
229	23.0	15.6	23.4

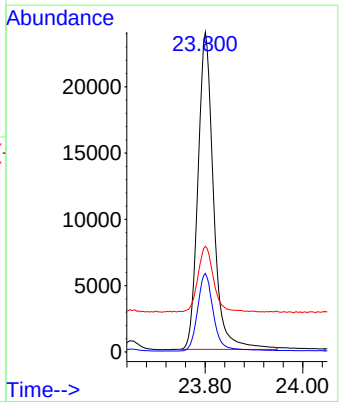


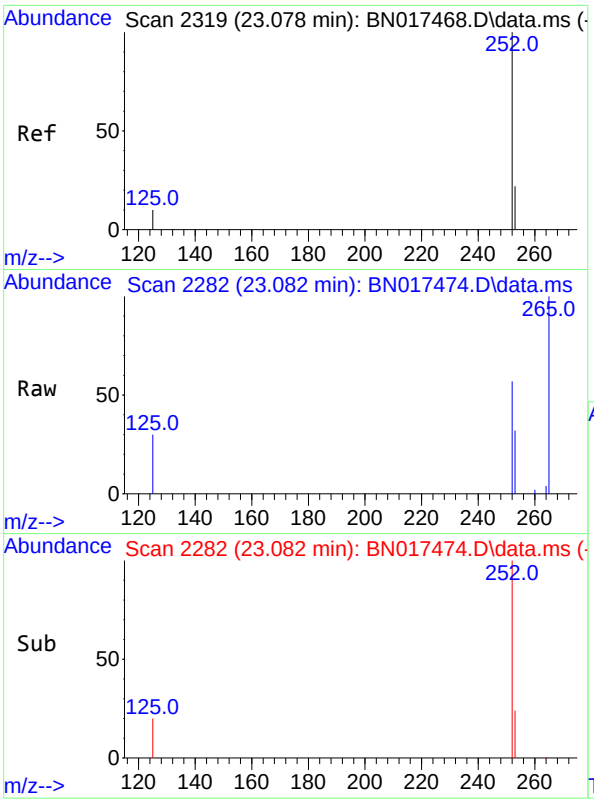


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.800 min Scan# 2492
Delta R.T. -0.000 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:264 Resp: 53076

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	33.0	18.6	28.0#



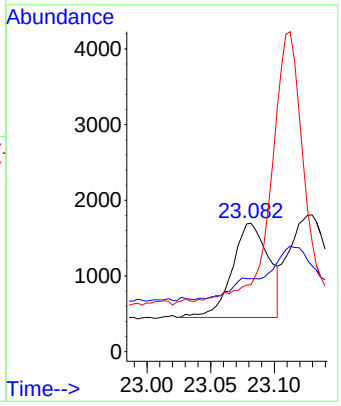


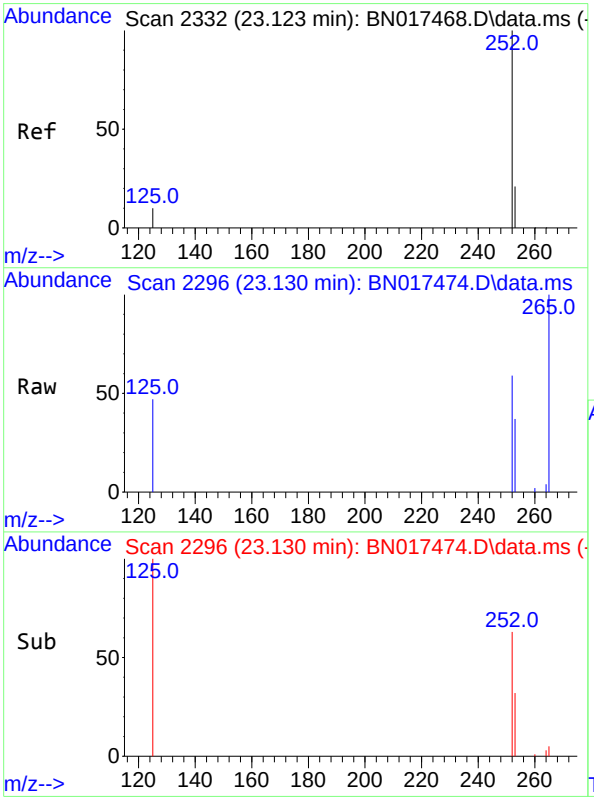
#37
Benzo(b)fluoranthene
Concen: 0.013 ng
RT: 23.082 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:252 Resp: 2494

Ion	Ratio	Lower	Upper
252	100		
253	56.7	17.7	26.5#
125	52.2	7.8	11.8#

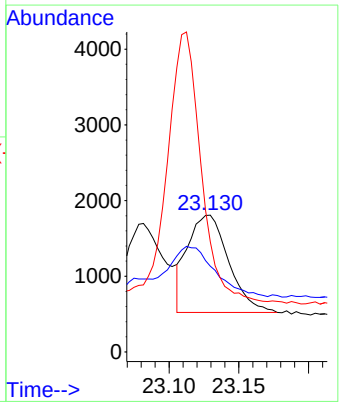


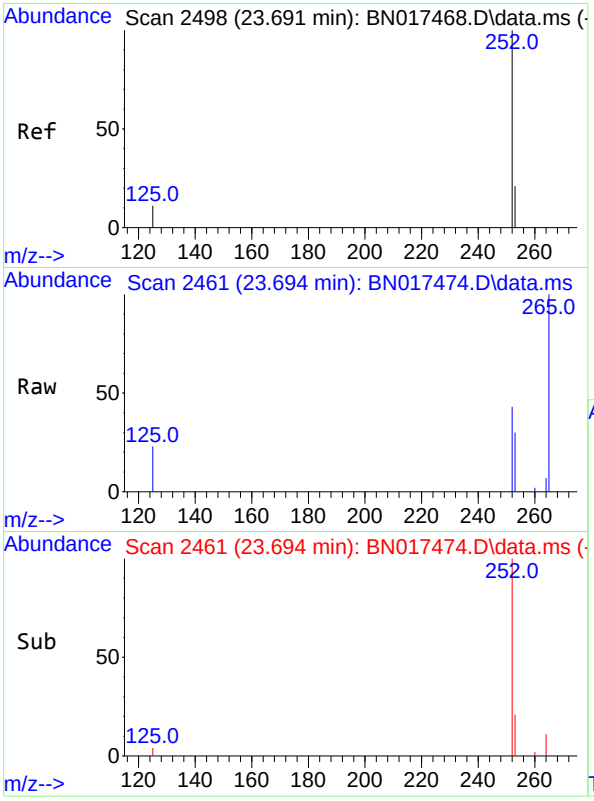


#38
Benzo(k)fluoranthene
Concen: 0.014 ng
RT: 23.130 min Scan# 2296
Delta R.T. 0.007 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Tgt Ion:252 Resp: 2628

Ion	Ratio	Lower	Upper
252	100		
253	62.6	17.7	26.5#
125	80.5	8.2	12.2#





#39
Benzo(a)pyrene
Concen: 0.013 ng
RT: 23.694 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN017474.D
Acq: 16 Nov 2021 15:10

Instrument :
BNA_N
ClientSampleId :
PB140437BL

Tgt Ion:252 Resp: 1985

Ion	Ratio	Lower	Upper
252	100		
253	68.5	17.9	26.9#
125	54.0	9.2	13.8#