Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122320\
Data File : BN013300.D
Acq On : 23 Dec 2020 16:34
Operator : CG/JU
Sample : L5123-16MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT180D1-20201214MS

Manual Integrations APPROVED
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12/24/2020 10:42:32 AM

Quant Time: Dec 23 17:15:57 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 22 10:46:43 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.322	152	599	0.40	ng		0.00
7) Naphthalene-d8	10.099	136	2069	0.40	ng		# 0.00
13) Acenaphthene-d10	13.991	164	1368	0.40	ng		0.00
19) Phenanthrene-d10	16.763	188	2916	0.40	ng		# 0.00
29) Chrysene-d12	20.992	240	3094	0.40	ng		# 0.00
36) Perylene-d12	23.082	264	3376	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.954	112	120	0.05	ng		0.00
5) Phenol-d6	6.532	99	117	0.05	ng		0.00
8) Nitrobenzene-d5	8.515	82	252	0.12	ng		0.01
11) 2-Methylnaphthalene-d10	11.706	152	489	0.13	ng		0.00
14) 2,4,6-Tribromophenol	15.526	330	107	0.12	ng		0.00
15) 2-Fluorobiphenyl	12.608	172	741	0.13	ng		0.00
27) Fluoranthene-d10	18.813	212	1591	0.17	ng		0.00
31) Terphenyl-d14	19.429	244	1423	0.18	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.916	88	3215	3.08	ng	#	93
3) n-Nitrosodimethylamine	3.287	42	93	0.05	ng	#	55
6) bis(2-Chloroethyl)ether	6.782	93	220	0.14	ng		86
9) Naphthalene	10.137	128	906	0.14	ng	#	76
10) Hexachlorobutadiene	10.403	225	186	0.14	ng	#	98
12) 2-Methylnaphthalene	11.786	142	589	0.14	ng	#	91
16) Acenaphthylene	13.712	152	993	0.14	ng		98
17) Acenaphthene	14.054	154	647	0.14	ng		87
18) Fluorene	15.069	166	894	0.15	ng		99
20) 4,6-Dinitro-2-methylph...	15.260	198	30	0.22	ng	#	1
21) 4-Bromophenyl-phenylether	16.008	248	195	0.34	ng	#	76
22) Hexachlorobenzene	16.069	284	305	0.15	ng		97
23) Atrazine	16.252	200	190	0.11	ng	#	68
24) Pentachlorophenol	16.434	266	244	0.29	ng		96
25) Phenanthrene	16.799	178	1542	0.16	ng		99
26) Anthracene	16.909	178	1245	0.15	ng		96
28) Fluoranthene	18.843	202	2093	0.18	ng		100
30) Pyrene	19.210	202	2163	0.18	ng		98
32) Benzo(a)anthracene	20.982	228	1931m	0.18	ng		
33) Chrysene	21.035	228	2016	0.17	ng		96
34) Bis(2-ethylhexyl)phtha...	20.918	149	1650	0.03	ng		96
35) Indeno(1,2,3-cd)pyrene	25.126	276	2771	0.17	ng		95
37) Benzo(b)fluoranthene	22.473	252	2302	0.19	ng	#	75
38) Benzo(k)fluoranthene	22.514	252	2507	0.18	ng	#	80
39) Benzo(a)pyrene	23.000	252	2216	0.19	ng	#	70
40) Dibenzo(a,h)anthracene	25.133	278	2231	0.17	ng	#	73
41) Benzo(g,h,i)perylene	25.742	276	2528	0.18	ng	#	86

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

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Data File : BN013300.D
Acq On : 23 Dec 2020 16:34
Operator : CG/JU
Sample : L5123-16MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 23 17:15:57 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 22 10:46:43 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
TT180D1-20201214MS

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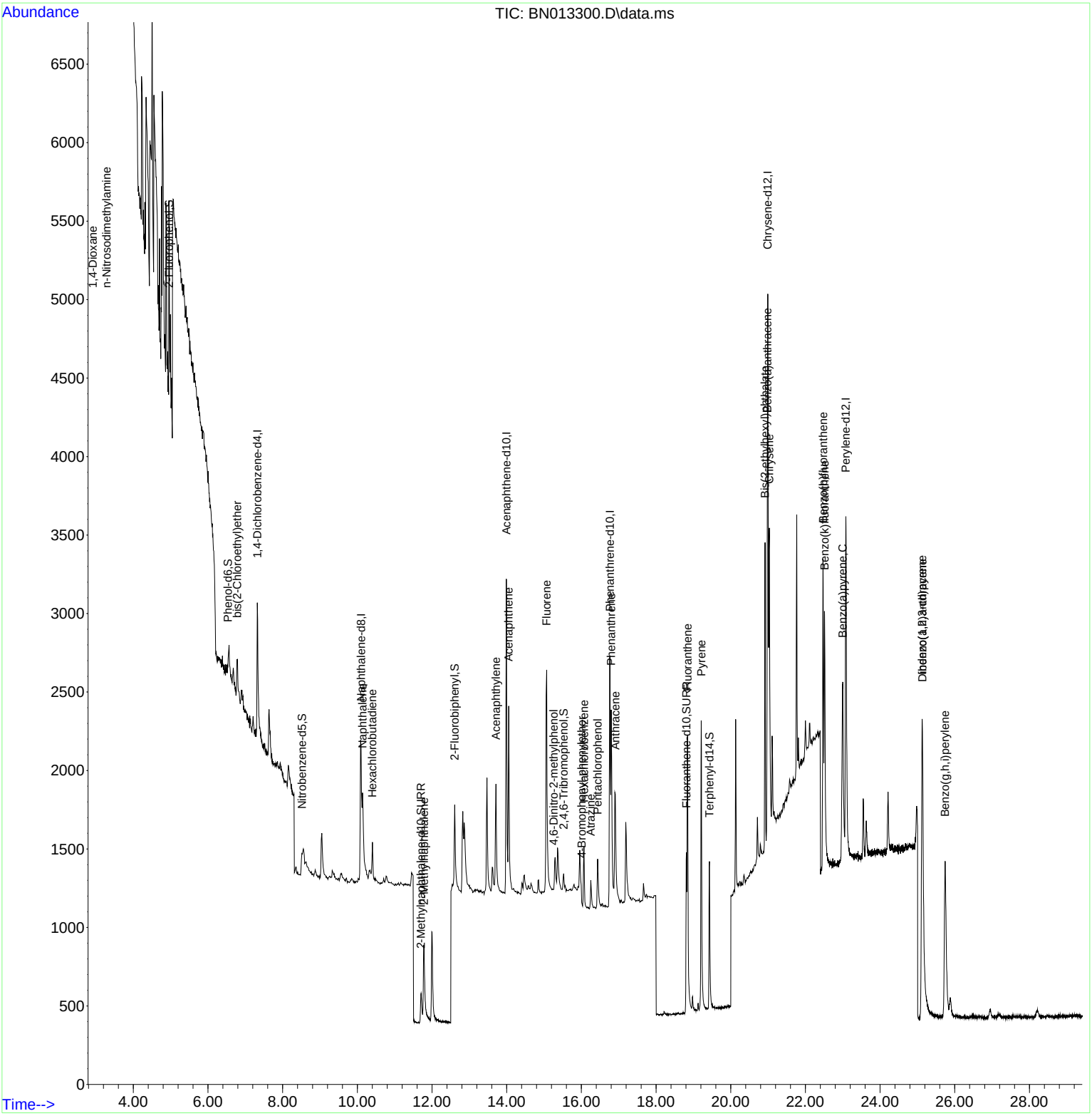

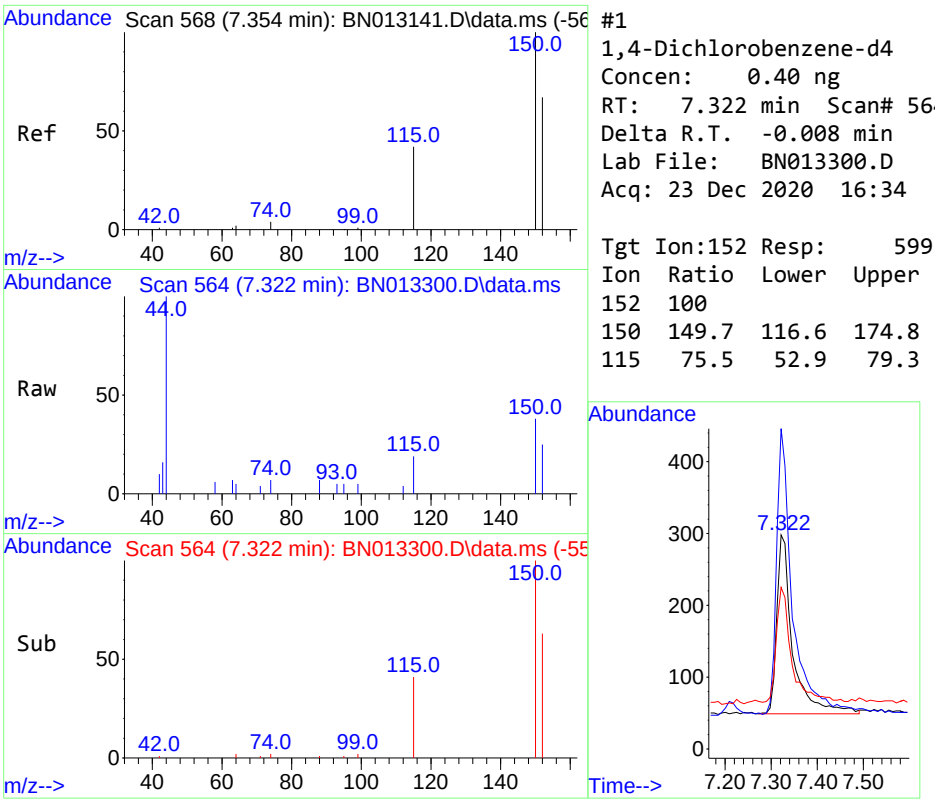

#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.322 min Scan# 564
Delta R.T. -0.008 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:152 Resp: 599

Ion	Ratio	Lower	Upper
152	100		
150	149.7	116.6	174.8
115	75.5	52.9	79.3

Instrument :
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ClientSampleId :
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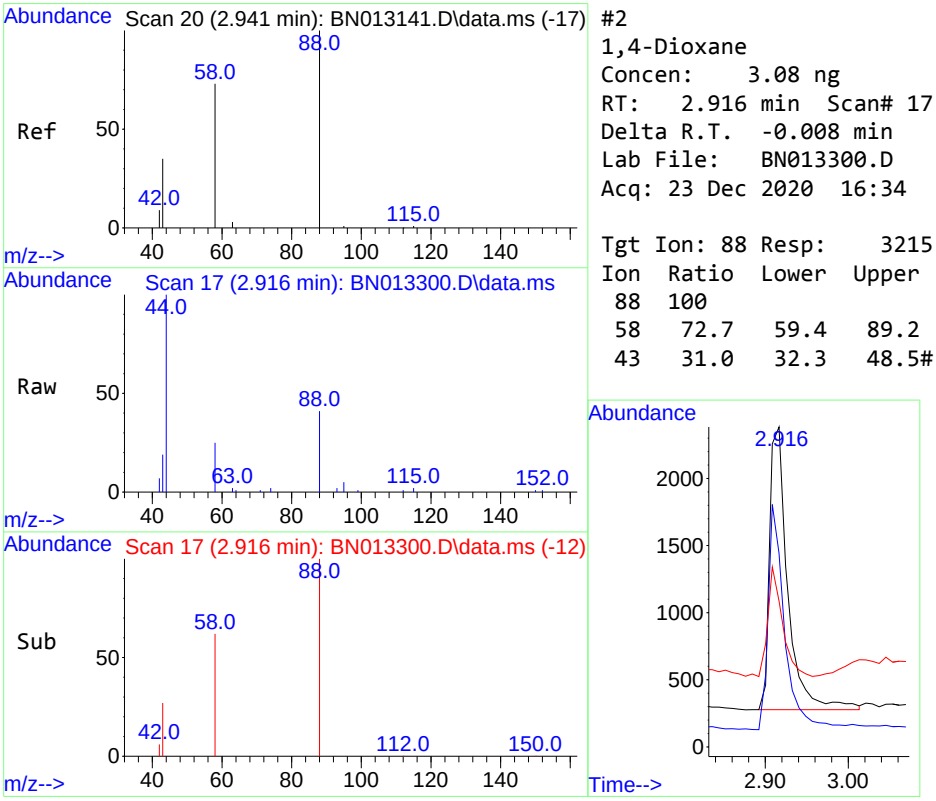
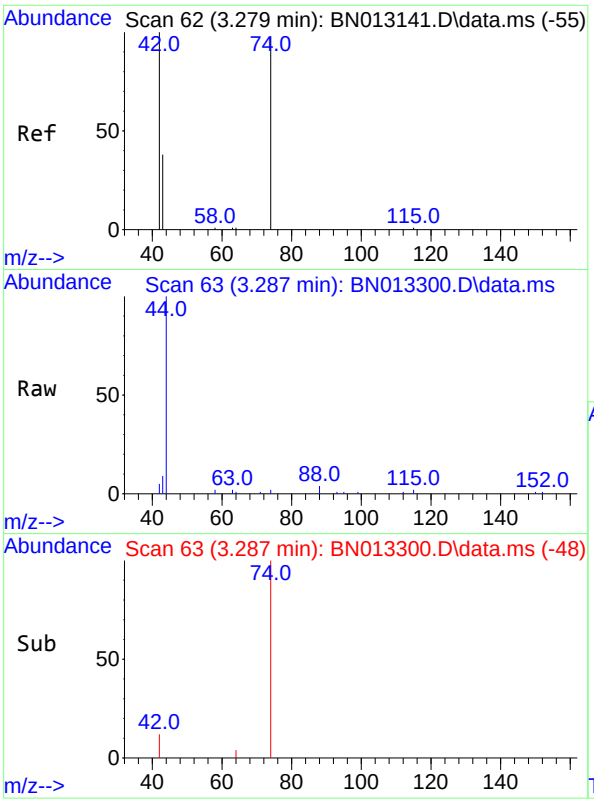


#2
1,4-Dioxane
Concen: 3.08 ng
RT: 2.916 min Scan# 17
Delta R.T. -0.008 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion: 88 Resp: 3215

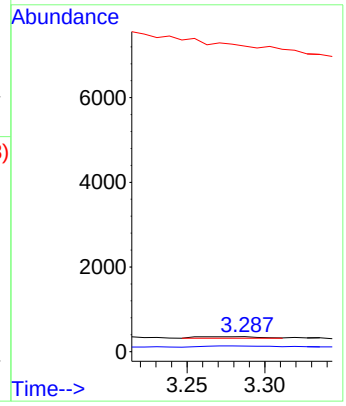
Ion	Ratio	Lower	Upper
88	100		
58	72.7	59.4	89.2
43	31.0	32.3	48.5#



#3
n-Nitrosodimethylamine
Concen: 0.05 ng
RT: 3.287 min Scan# 63
Delta R.T. 0.024 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion: 42 Resp: 93

Ion	Ratio	Lower	Upper
42	100		
74	121.5	64.4	96.6#
44	0.0	2.8	4.2#



Instrument :
BNA_N
ClientSampleId :
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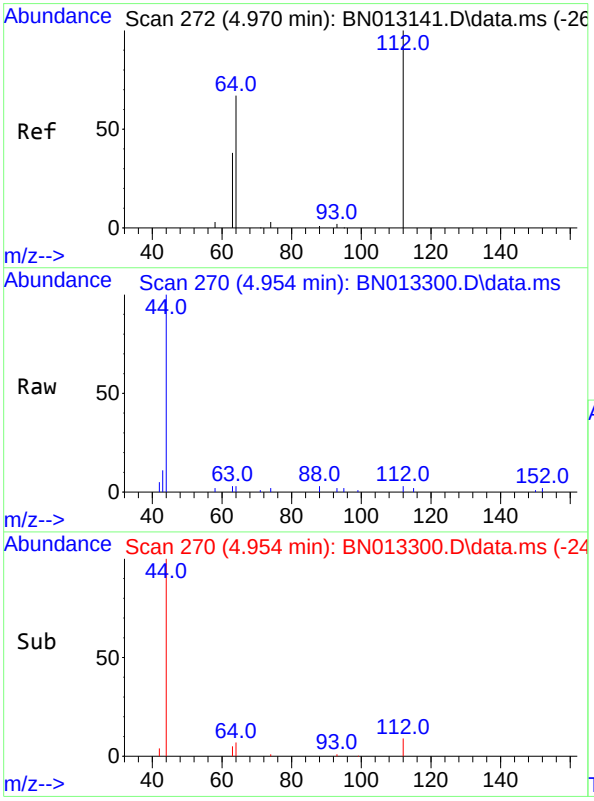
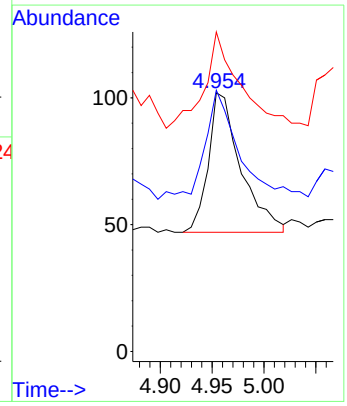
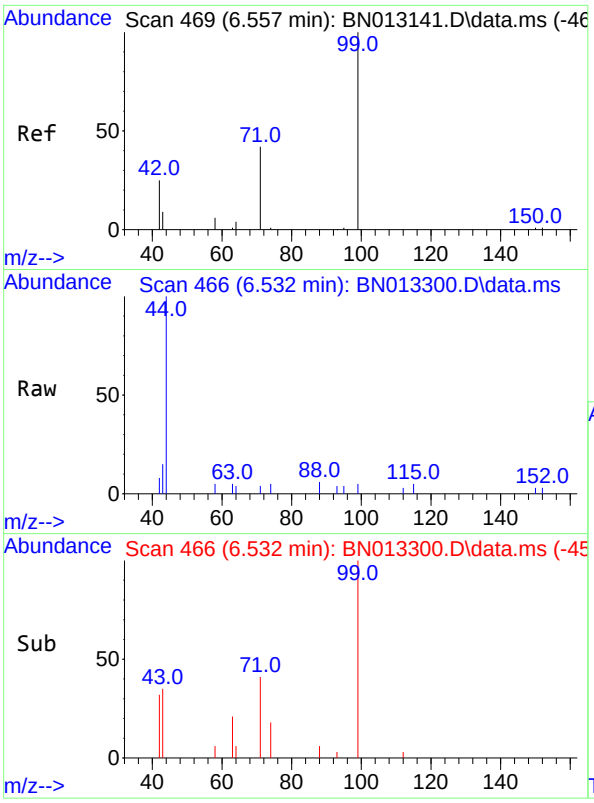


#4
2-Fluorophenol
Concen: 0.05 ng
RT: 4.954 min Scan# 270
Delta R.T. -0.000 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:112 Resp: 120

Ion	Ratio	Lower	Upper
112	100		
64	84.2	49.5	74.3#
63	75.8	32.0	48.0#

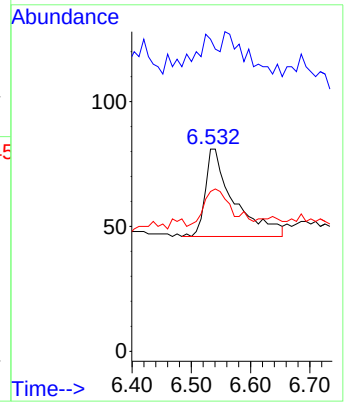




#5
Phenol-d6
Concen: 0.05 ng
RT: 6.532 min Scan# 466
Delta R.T. -0.008 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion: 99 Resp: 117

Ion	Ratio	Lower	Upper
99	100		
42	32.5	22.4	33.6
71	41.9	37.8	56.6



Instrument :
BNA_N
ClientSampleId :
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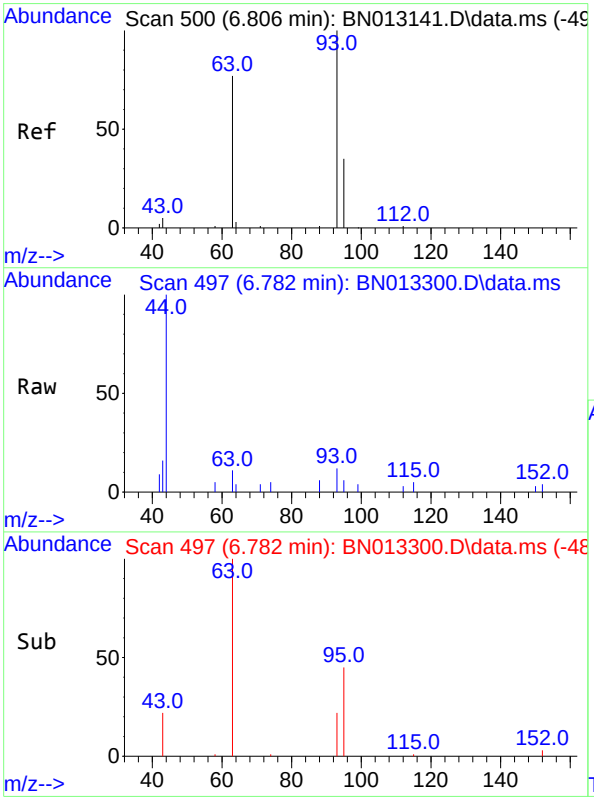
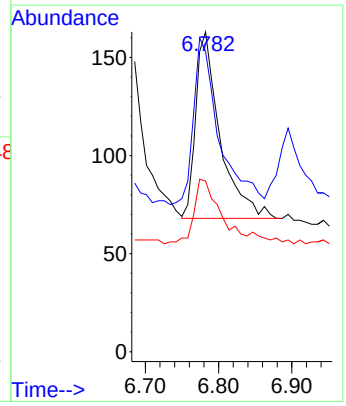
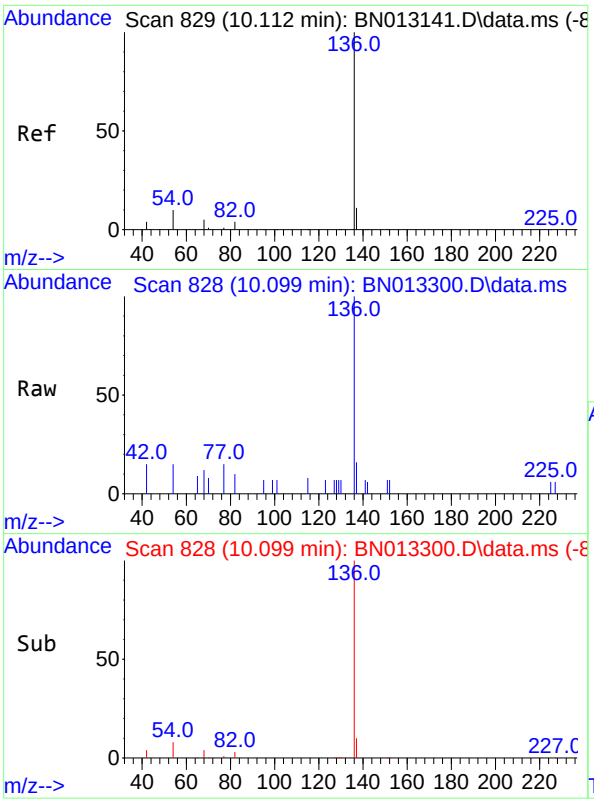


#6
bis(2-Chloroethyl)ether
Concen: 0.14 ng
RT: 6.782 min Scan# 497
Delta R.T. -0.000 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion: 93 Resp: 220

Ion	Ratio	Lower	Upper
93	100		
63	93.2	63.1	94.7
95	37.3	26.1	39.1

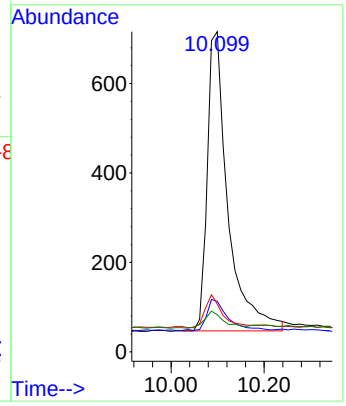


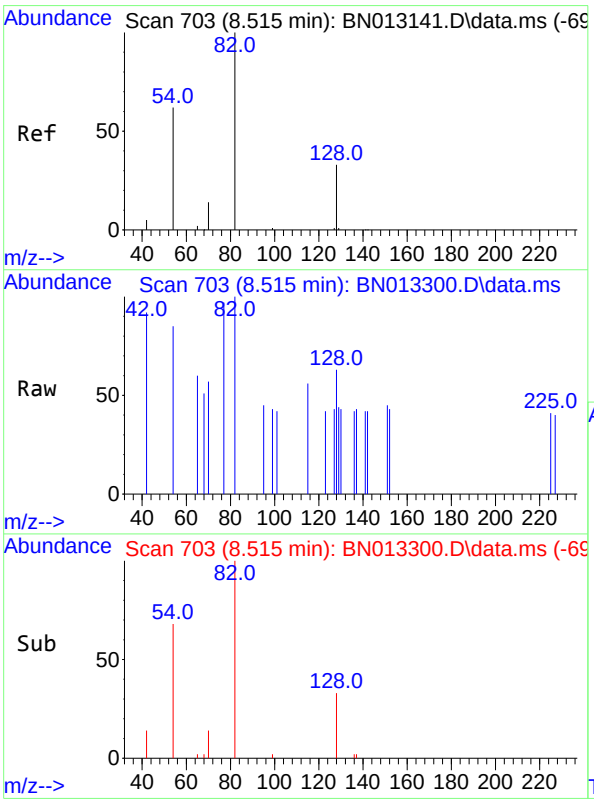


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.099 min Scan# 828
Delta R.T. -0.000 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:136 Resp: 2069

Ion	Ratio	Lower	Upper
136	100		
137	15.8	10.6	15.8
54	14.9	8.6	12.8#
68	11.6	5.7	8.5#

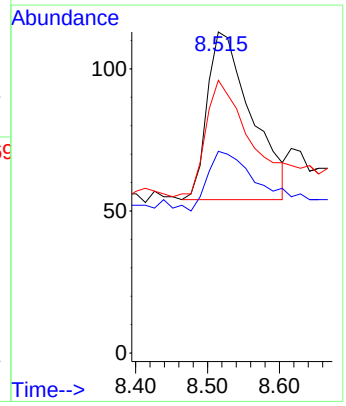




#8
Nitrobenzene-d5
Concen: 0.12 ng
RT: 8.515 min Scan# 703
Delta R.T. 0.013 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion: 82 Resp: 252

Ion	Ratio	Lower	Upper
82	100		
128	62.8	30.6	46.0#
54	85.0	48.3	72.5#



Instrument :
BNA_N
ClientSampleId :
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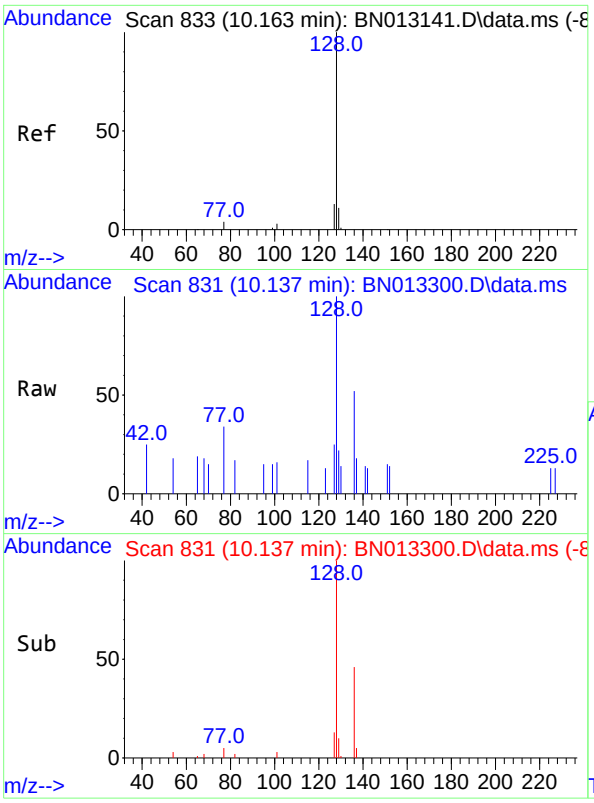
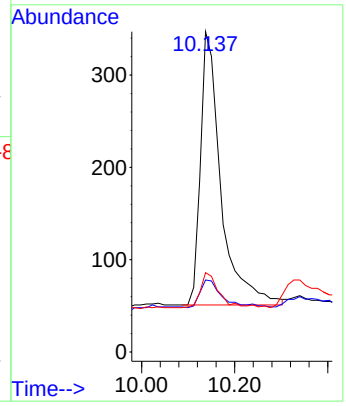


#9
Naphthalene
Concen: 0.14 ng
RT: 10.137 min Scan# 831
Delta R.T. -0.013 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:128 Resp: 906

Ion	Ratio	Lower	Upper
128	100		
129	22.5	9.8	14.8#
127	24.8	12.2	18.4#



Instrument :
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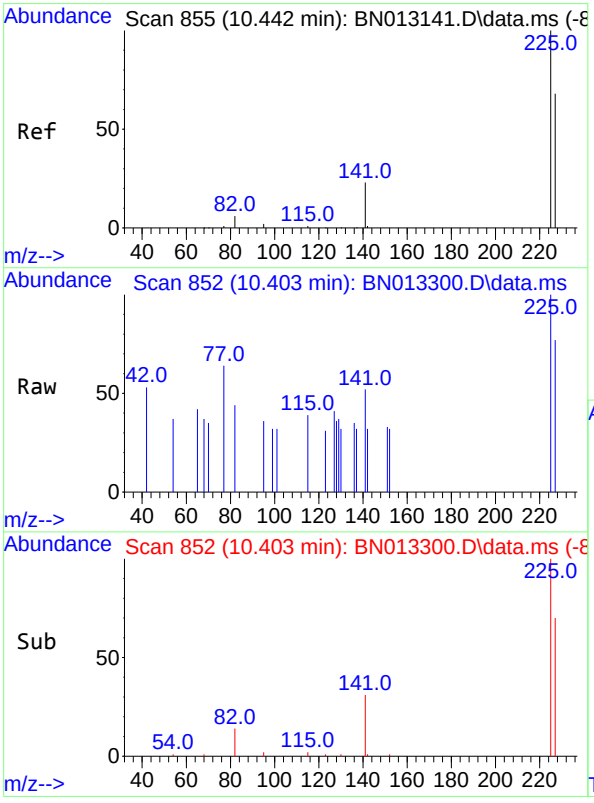
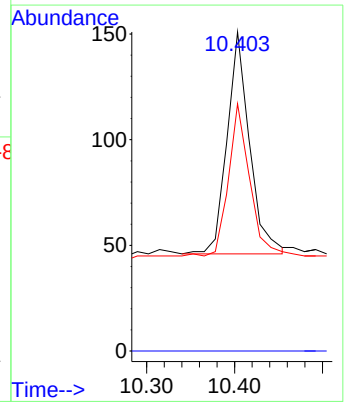
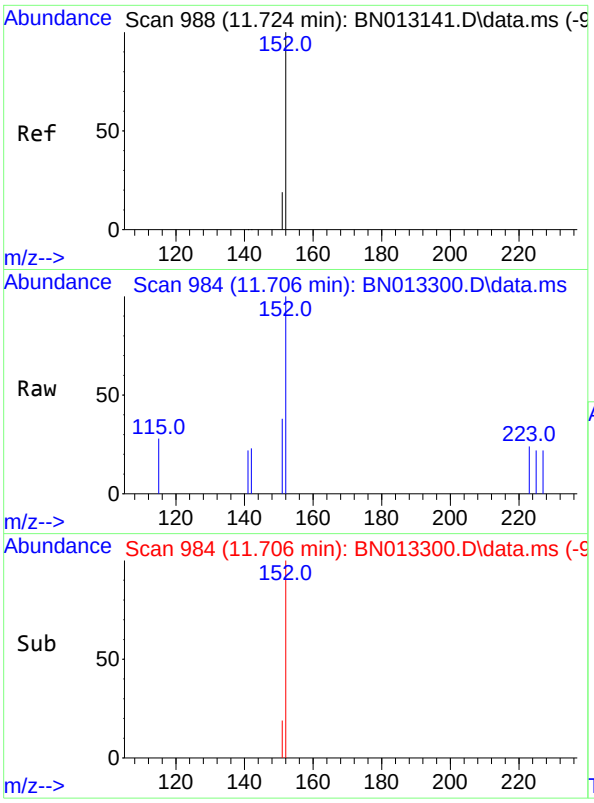


#10
Hexachlorobutadiene
Concen: 0.14 ng
RT: 10.403 min Scan# 852
Delta R.T. -0.013 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:225 Resp: 186

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.1	51.0	76.6

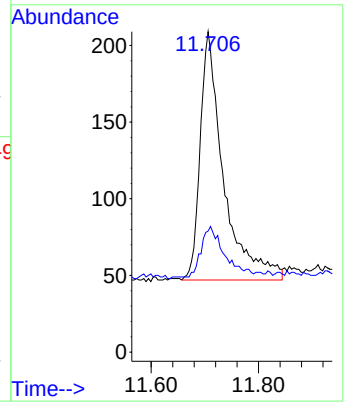


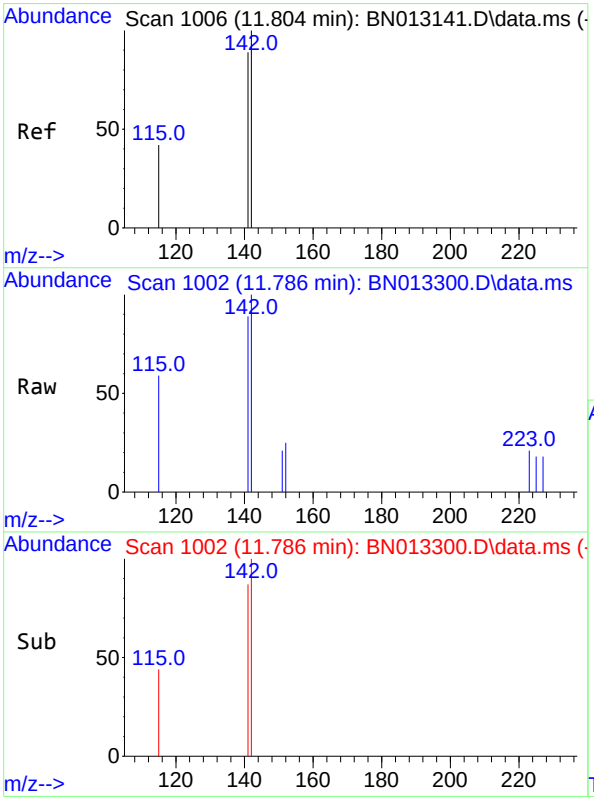


#11
2-Methylnaphthalene-d10
Concen: 0.13 ng
RT: 11.706 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:152 Resp: 489

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.7	25.1

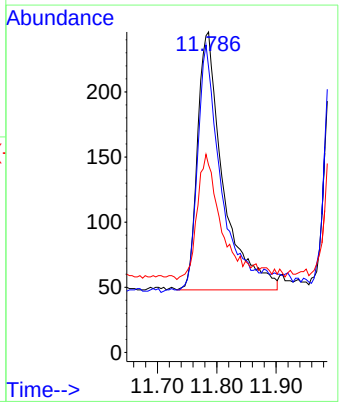




#12
2-Methylnaphthalene
Concen: 0.14 ng
RT: 11.786 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:142 Resp: 589

Ion	Ratio	Lower	Upper
142	100		
141	89.0	69.4	104.2
115	58.5	35.7	53.5#



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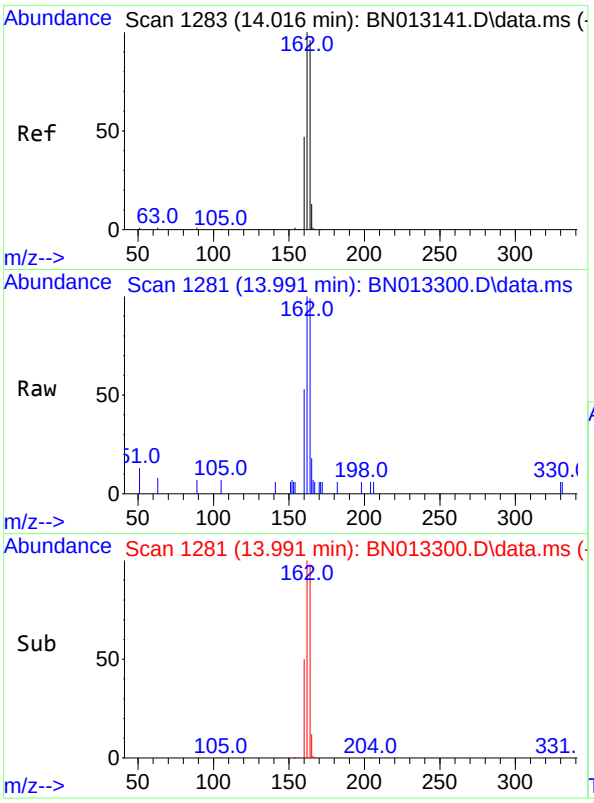
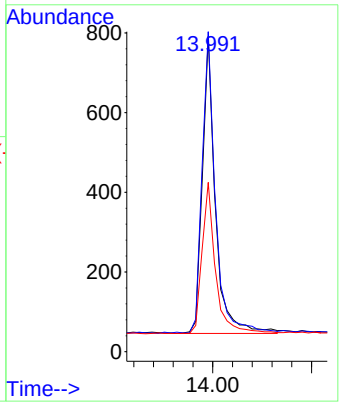


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 13.991 min Scan# 1281
Delta R.T. -0.000 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:164 Resp: 1368

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	120.8
160	53.7	39.5	59.3



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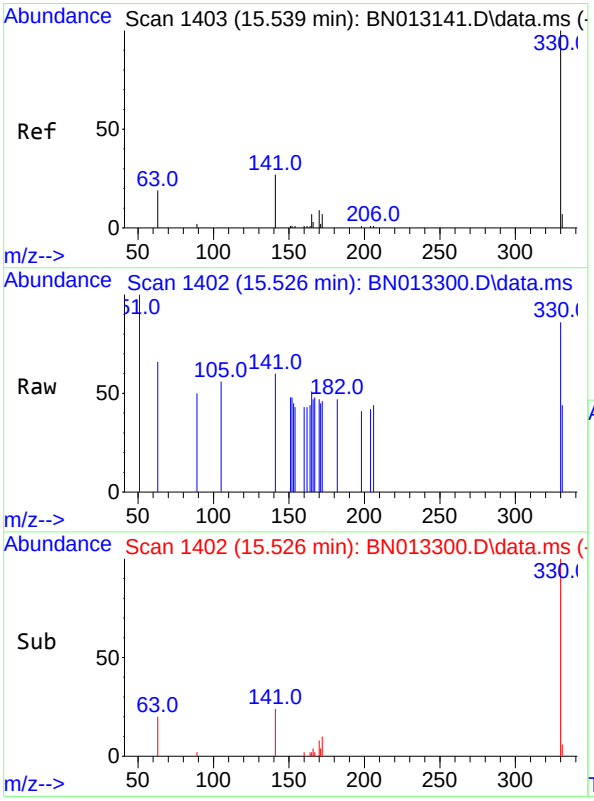
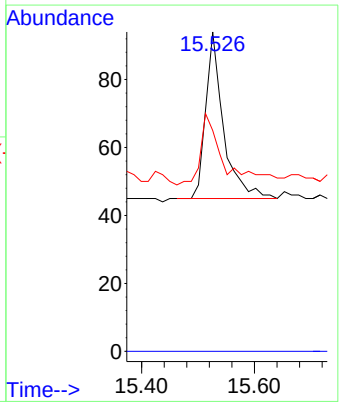
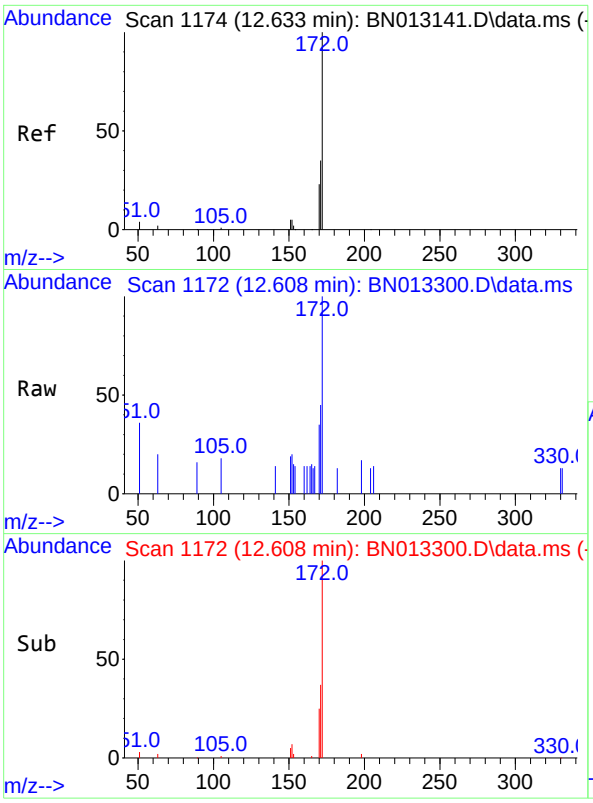


#14
2,4,6-Tribromophenol
Concen: 0.12 ng
RT: 15.526 min Scan# 1402
Delta R.T. -0.000 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:330 Resp: 107

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	56.1	34.4	51.6#

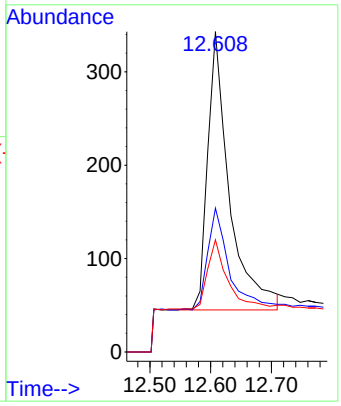




#15
2-Fluorobiphenyl
Concen: 0.13 ng
RT: 12.608 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:172 Resp: 741

Ion	Ratio	Lower	Upper
172	100		
171	44.9	28.2	42.4#
170	35.0	20.0	30.0#



Instrument :
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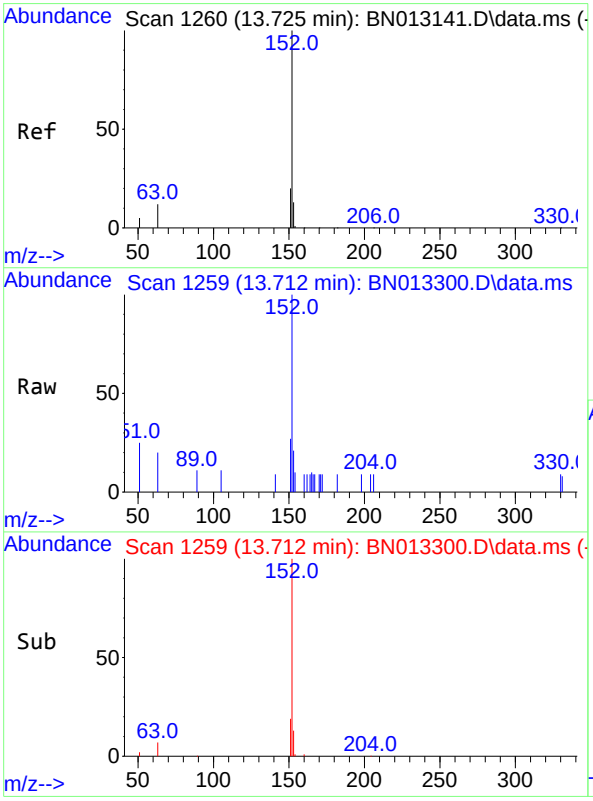
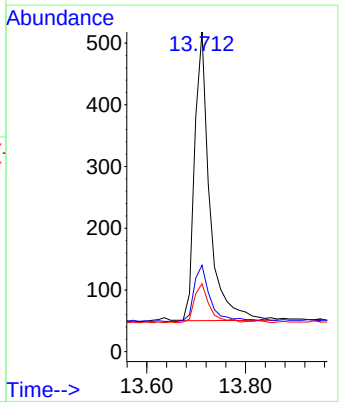
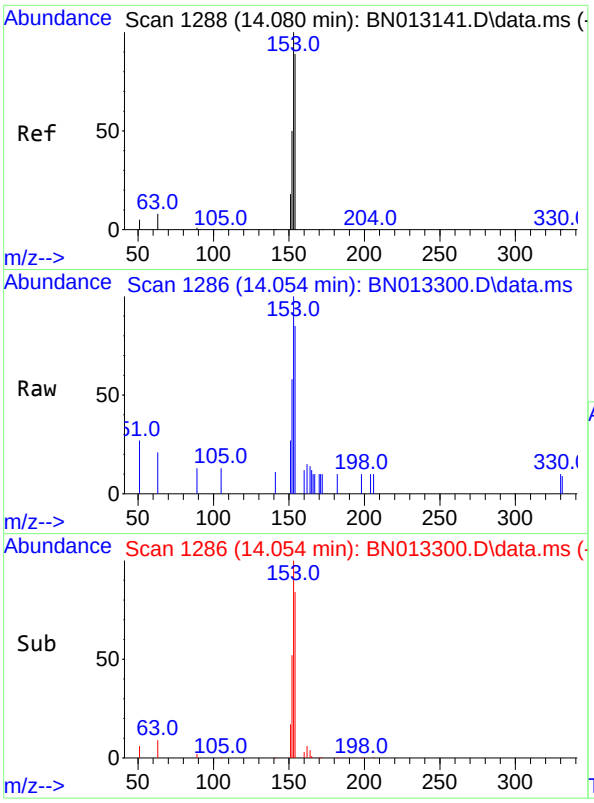


#16
Acenaphthylene
Concen: 0.14 ng
RT: 13.712 min Scan# 1259
Delta R.T. -0.000 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:152 Resp: 993

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.8	23.8
153	14.0	10.6	16.0

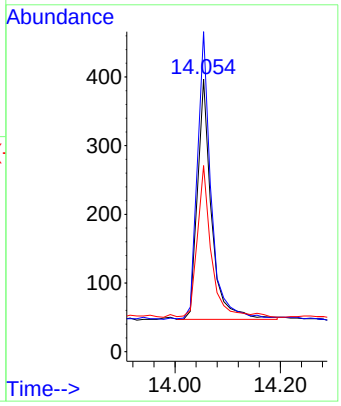


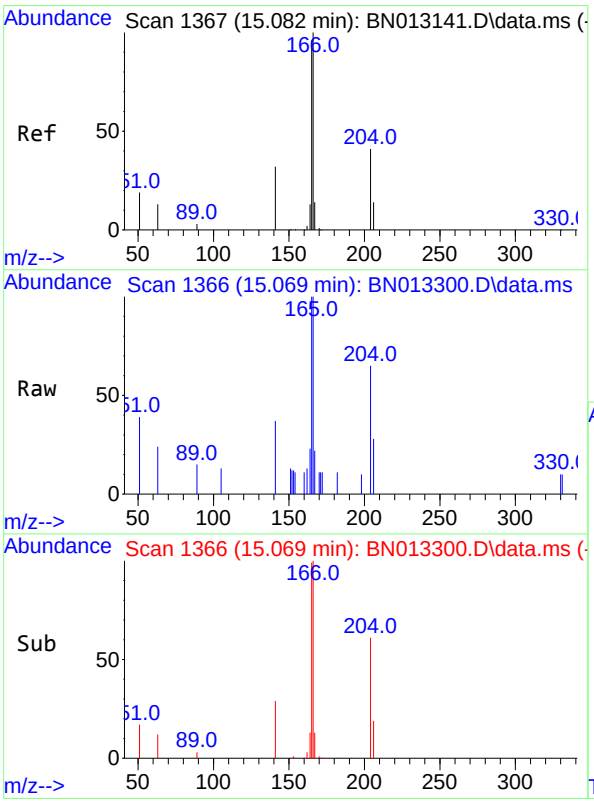


#17
Acenaphthene
Concen: 0.14 ng
RT: 14.054 min Scan# 1286
Delta R.T. -0.000 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:154 Resp: 647

Ion	Ratio	Lower	Upper
154	100		
153	118.2	83.6	125.4
152	63.7	43.9	65.9

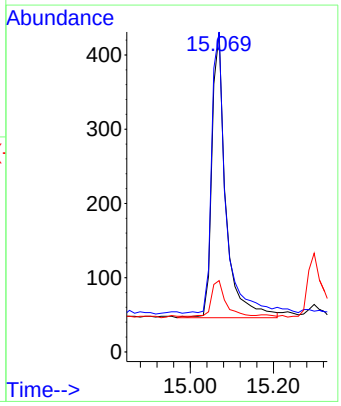




#18
Fluorene
Concen: 0.15 ng
RT: 15.069 min Scan# 1366
Delta R.T. -0.000 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:166 Resp: 894

Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.6	118.0
167	12.8	10.7	16.1



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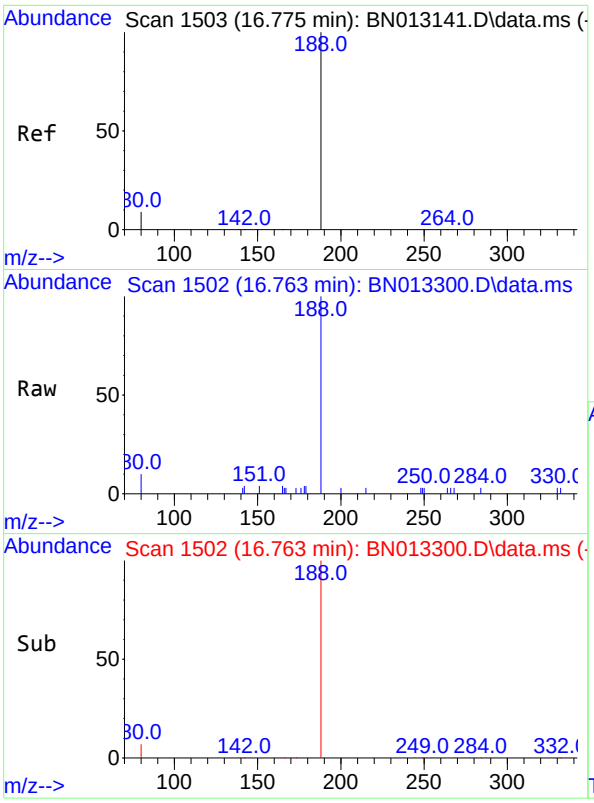
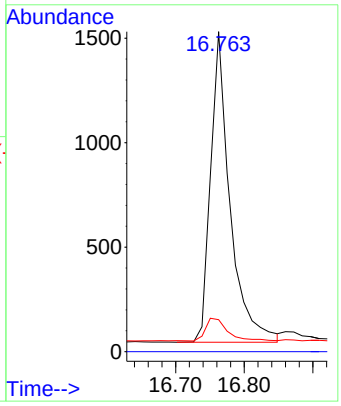
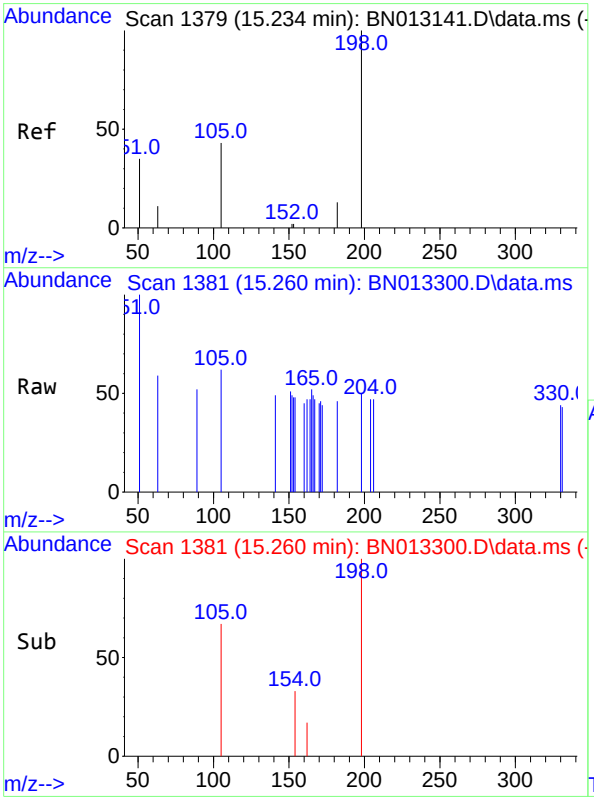


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.763 min Scan# 1502
Delta R.T. -0.001 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:188 Resp: 2916

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	5.0	7.4#

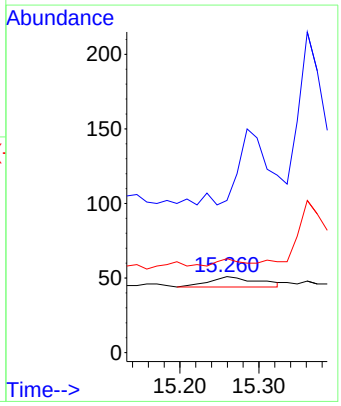




#20
4,6-Dinitro-2-methylphenol
Concen: 0.22 ng
RT: 15.260 min Scan# 1381
Delta R.T. 0.038 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:198 Resp: 30

Ion	Ratio	Lower	Upper
198	100		
51	200.0	43.5	65.3#
105	123.5	27.2	40.8#



Instrument :
BNA_N
ClientSampleId :
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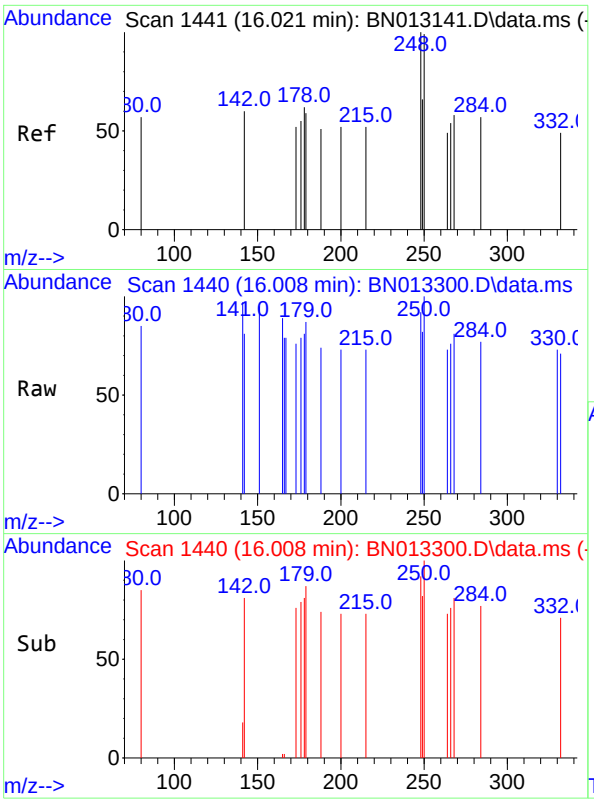
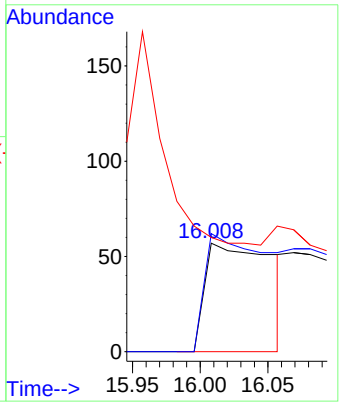
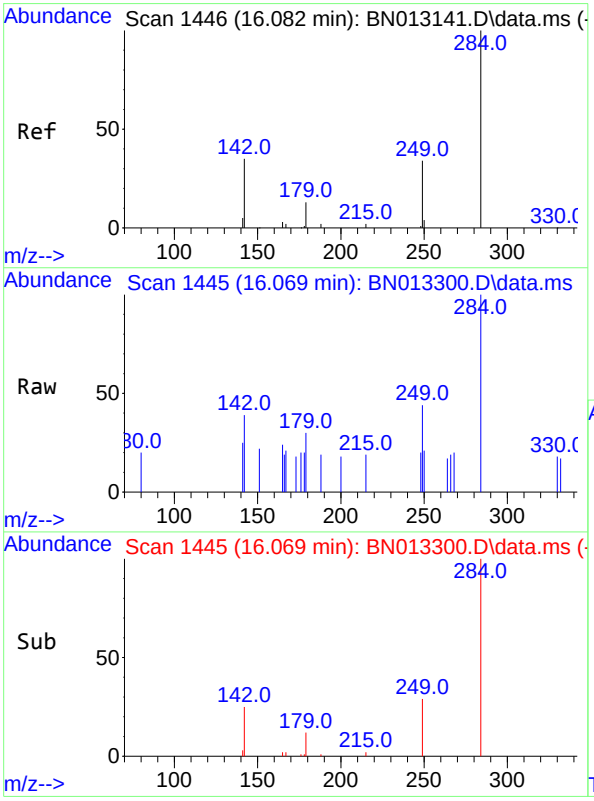


#21
4-Bromophenyl-phenylether
Concen: 0.34 ng
RT: 16.008 min Scan# 1440
Delta R.T. -0.013 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:248 Resp: 195

Ion	Ratio	Lower	Upper
248	100		
250	108.8	77.3	115.9
141	105.3	57.8	86.8#

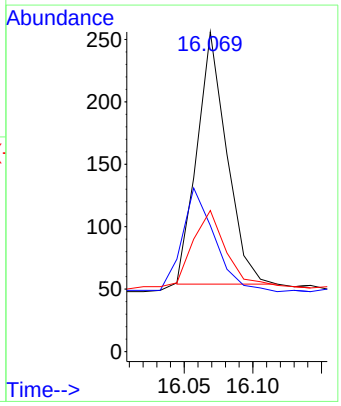




#22
Hexachlorobenzene
Concen: 0.15 ng
RT: 16.069 min Scan# 1445
Delta R.T. -0.001 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:284 Resp: 305

Ion	Ratio	Lower	Upper
284	100		
142	38.7	32.0	48.0
249	31.5	27.0	40.6



Instrument :
BNA_N
ClientSampleId :
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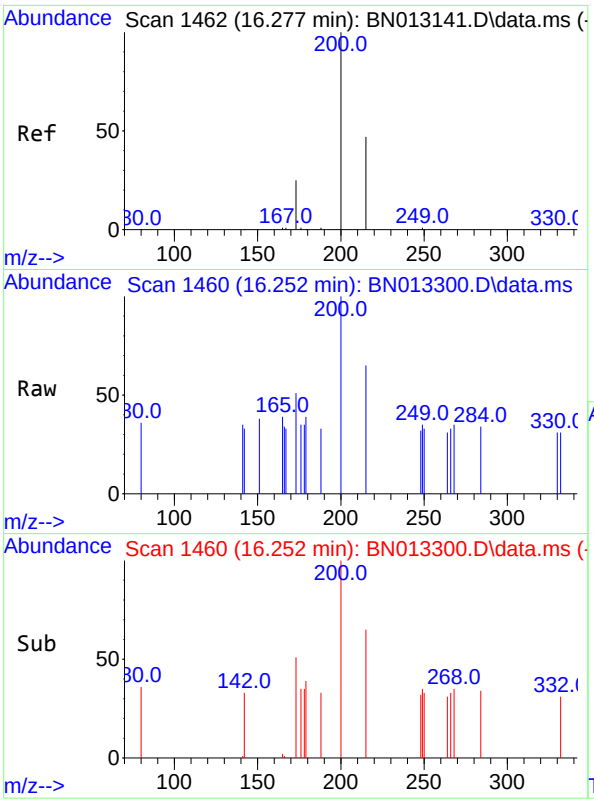
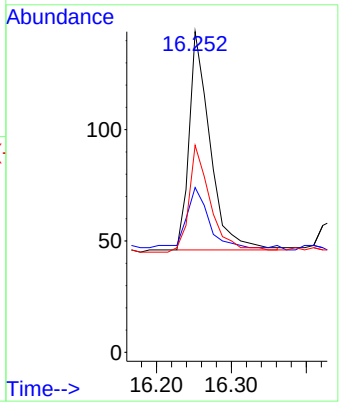


#23
Atrazine
Concen: 0.11 ng
RT: 16.252 min Scan# 1460
Delta R.T. -0.013 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:200 Resp: 190

Ion	Ratio	Lower	Upper
200	100		
173	51.4	22.8	34.2#
215	64.6	38.1	57.1#



Instrument :
BNA_N
ClientSampleId :
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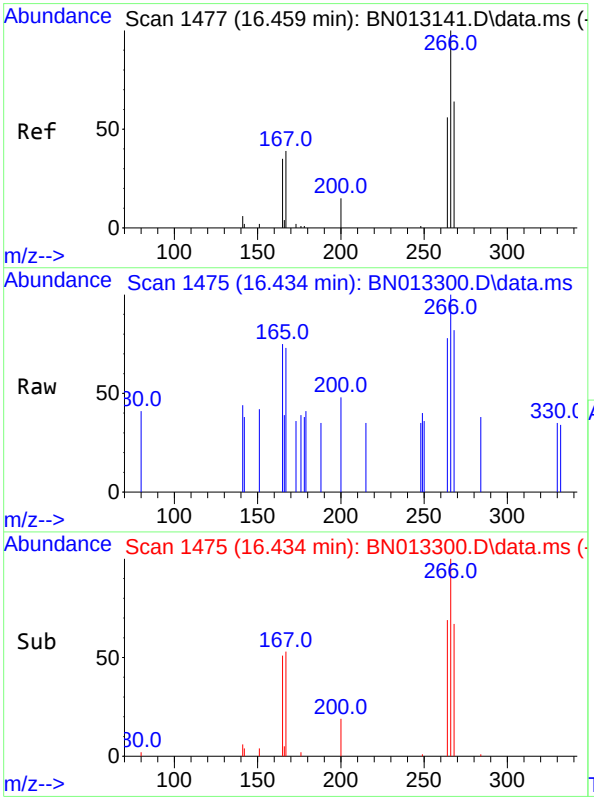
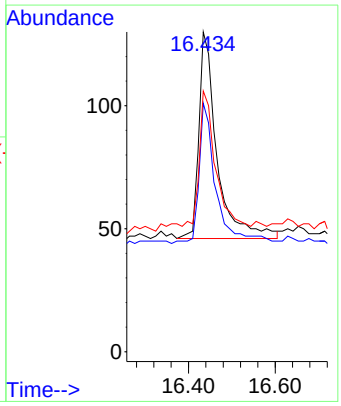
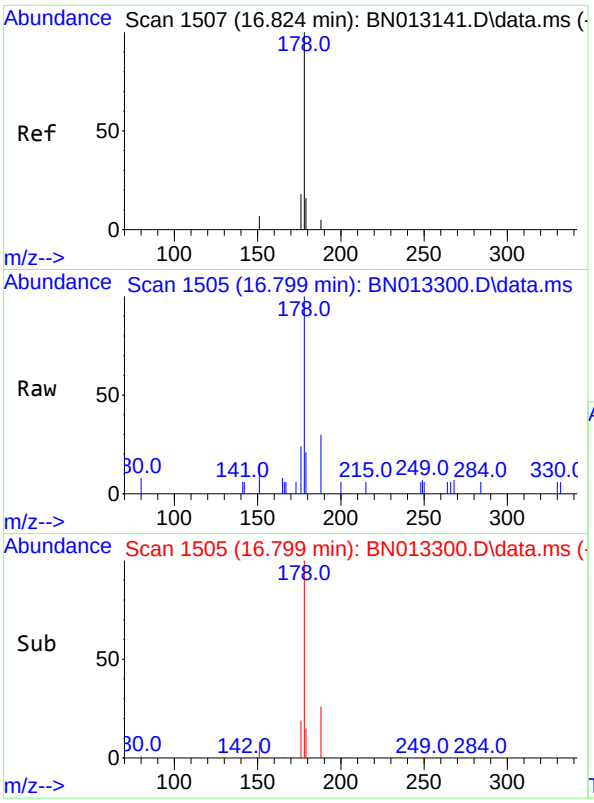


#24
Pentachlorophenol
Concen: 0.29 ng
RT: 16.434 min Scan# 1475
Delta R.T. -0.001 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:266 Resp: 244

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.9	76.3
268	58.6	51.5	77.3

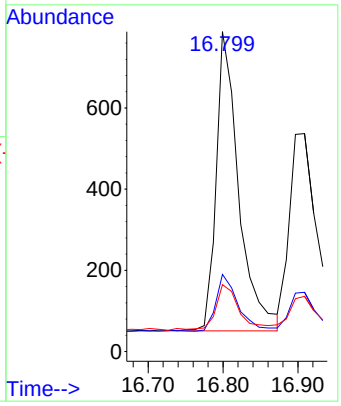




#25
Phenanthrene
Concen: 0.16 ng
RT: 16.799 min Scan# 1505
Delta R.T. -0.013 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:178 Resp: 1542

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	16.3	12.4	18.6



Instrument :
BNA_N
ClientSampleId :
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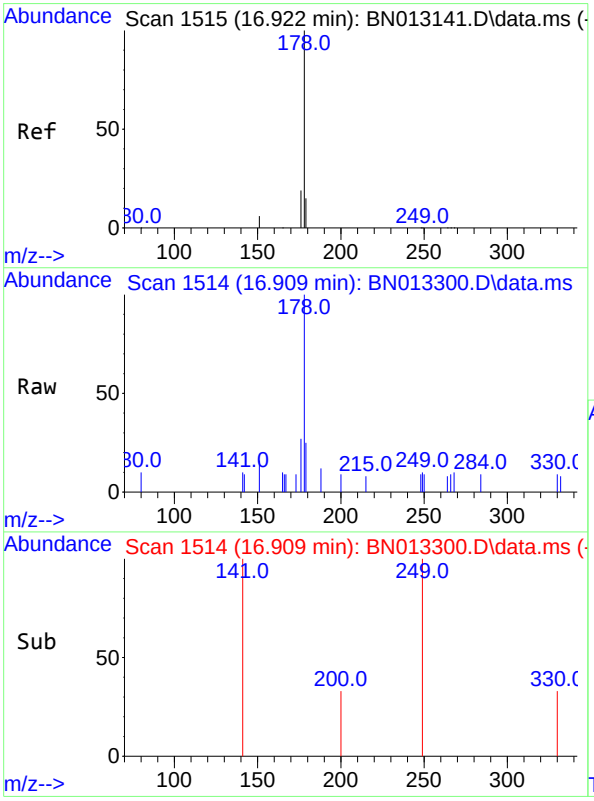
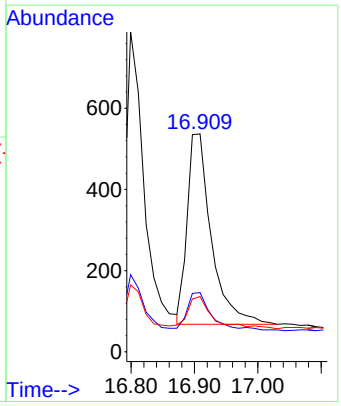
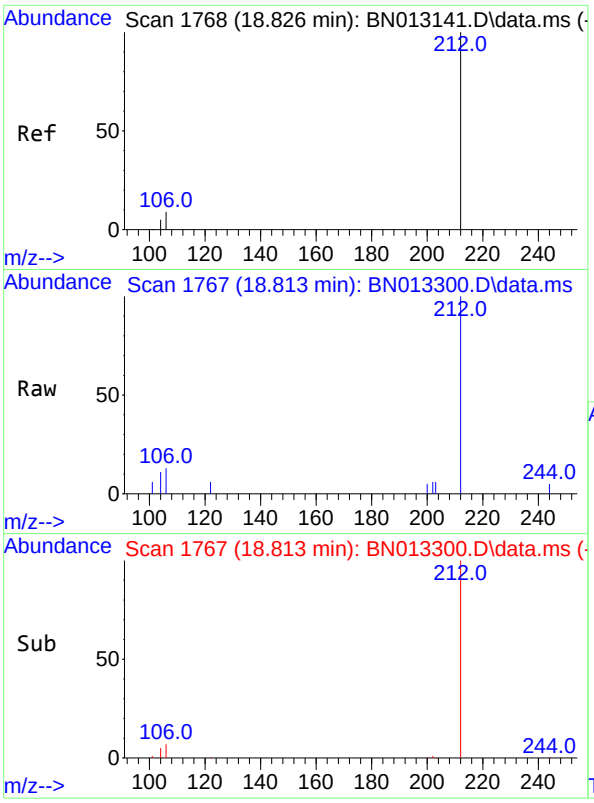


#26
Anthracene
Concen: 0.15 ng
RT: 16.909 min Scan# 1514
Delta R.T. 0.012 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:178 Resp: 1245

Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.8	22.2
179	17.7	12.5	18.7

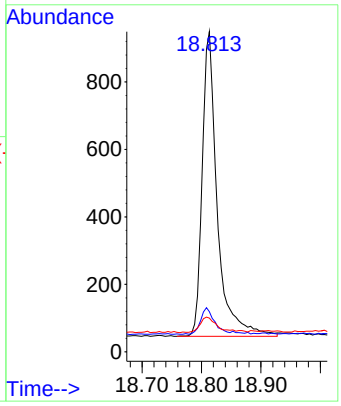




#27
Fluoranthene-d10
Concen: 0.17 ng
RT: 18.813 min Scan# 1767
Delta R.T. -0.003 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:212 Resp: 1591

Ion	Ratio	Lower	Upper
212	100		
106	7.9	6.8	10.2
104	6.1	4.1	6.1



Instrument :
BNA_N
ClientSampleId :
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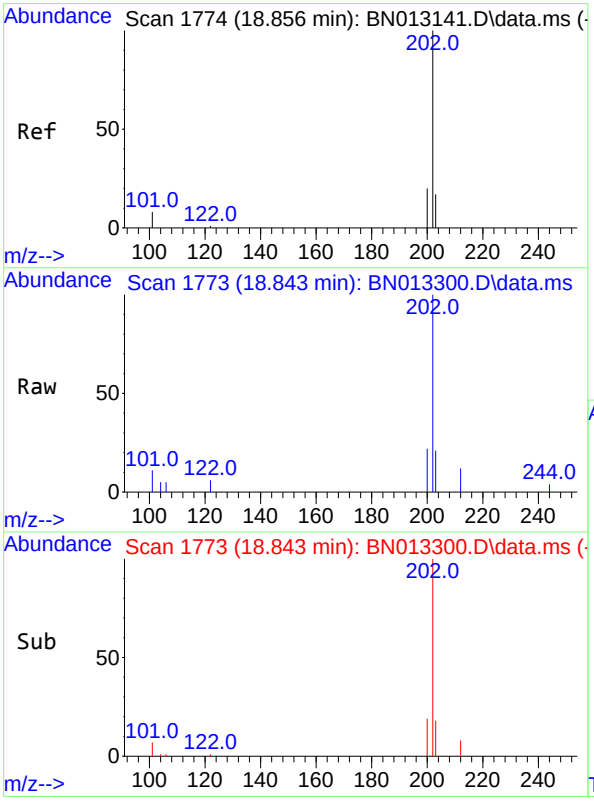
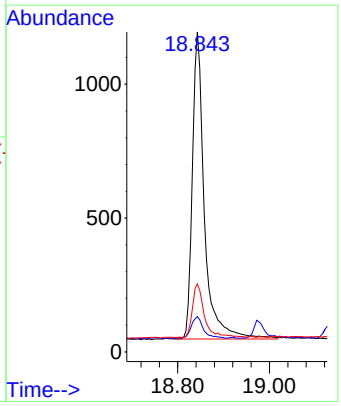
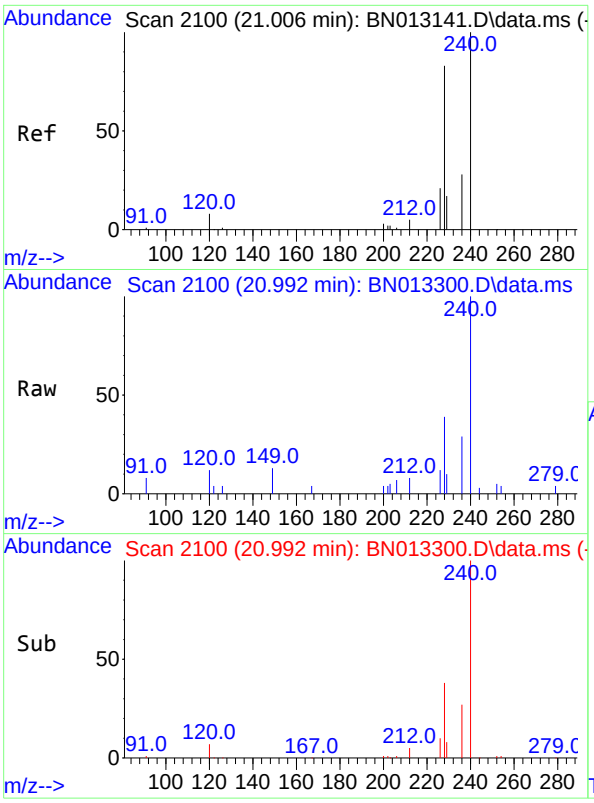


#28
Fluoranthene
Concen: 0.18 ng
RT: 18.843 min Scan# 1773
Delta R.T. -0.003 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:202 Resp: 2093

Ion	Ratio	Lower	Upper
202	100		
101	7.4	5.8	8.6
203	17.2	13.7	20.5

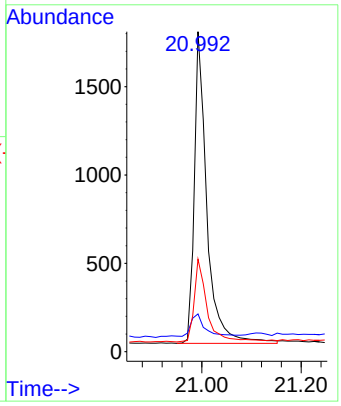


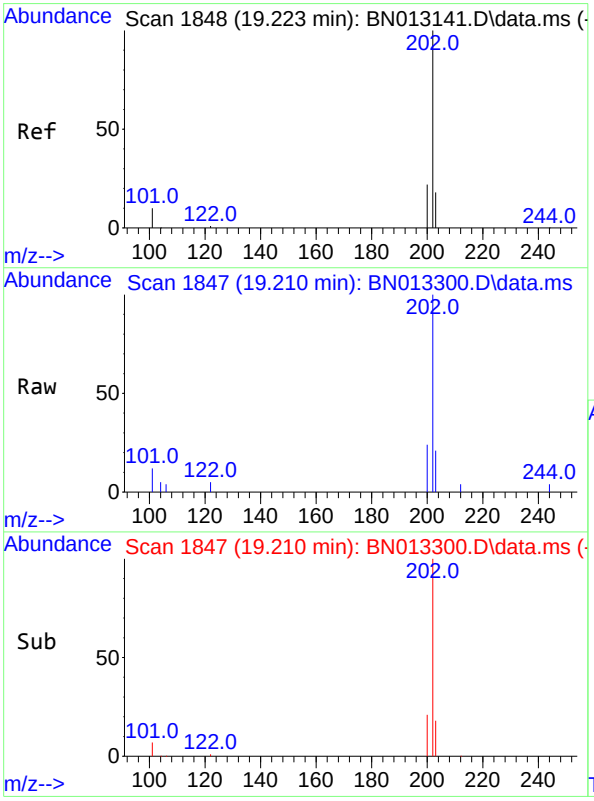


#29
Chrysene-d12
Concen: 0.40 ng
RT: 20.992 min Scan# 2100
Delta R.T. -0.003 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:240 Resp: 3094

Ion	Ratio	Lower	Upper
240	100		
120	11.8	5.3	7.9#
236	28.9	21.8	32.8

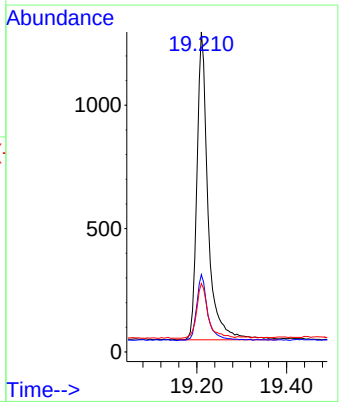




#30
Pyrene
Concen: 0.18 ng
RT: 19.210 min Scan# 1847
Delta R.T. -0.003 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:202 Resp: 2163

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.6	24.8
203	18.0	13.8	20.8



Instrument :
BNA_N
ClientSampleId :
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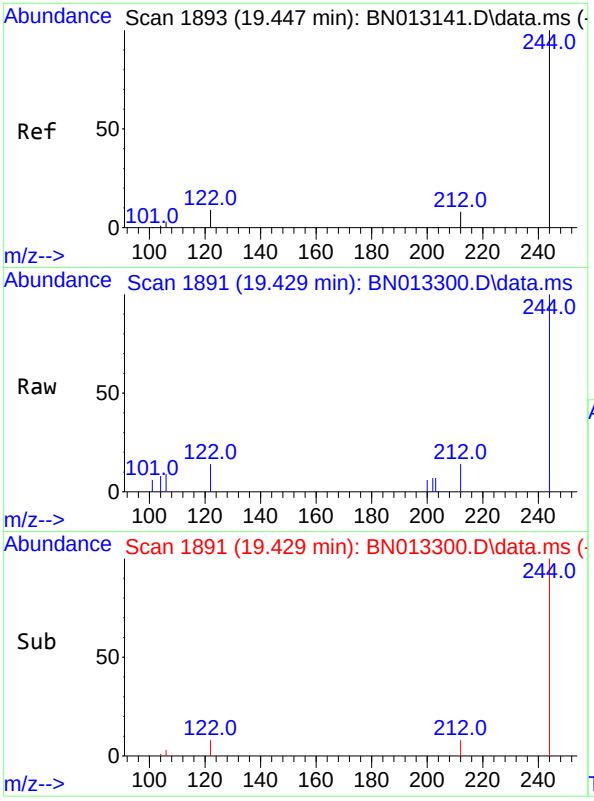
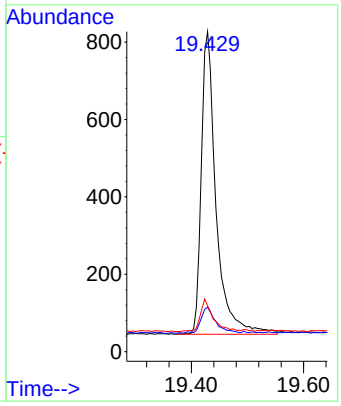
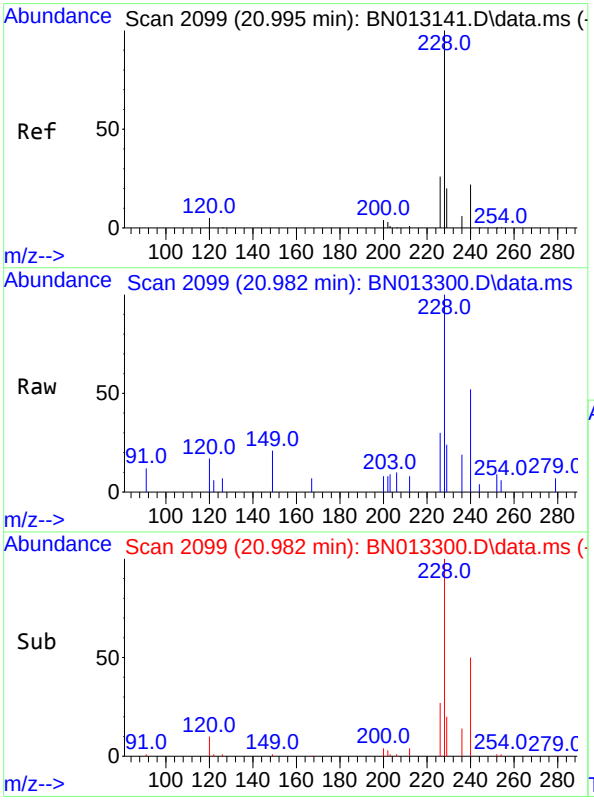


#31
Terphenyl-d14
Concen: 0.18 ng
RT: 19.429 min Scan# 1891
Delta R.T. -0.003 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:244 Resp: 1423

Ion	Ratio	Lower	Upper
244	100		
212	13.9	7.3	10.9#
122	14.3	7.3	10.9#

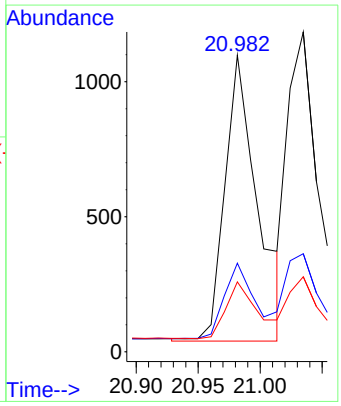




#32
Benzo(a)anthracene
Concen: 0.18 ng m
RT: 20.982 min Scan# 2099
Delta R.T. -0.003 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:228 Resp: 1931

Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.3	33.5
229	23.6	15.7	23.5#



Instrument :
BNA_N
ClientSampleId :
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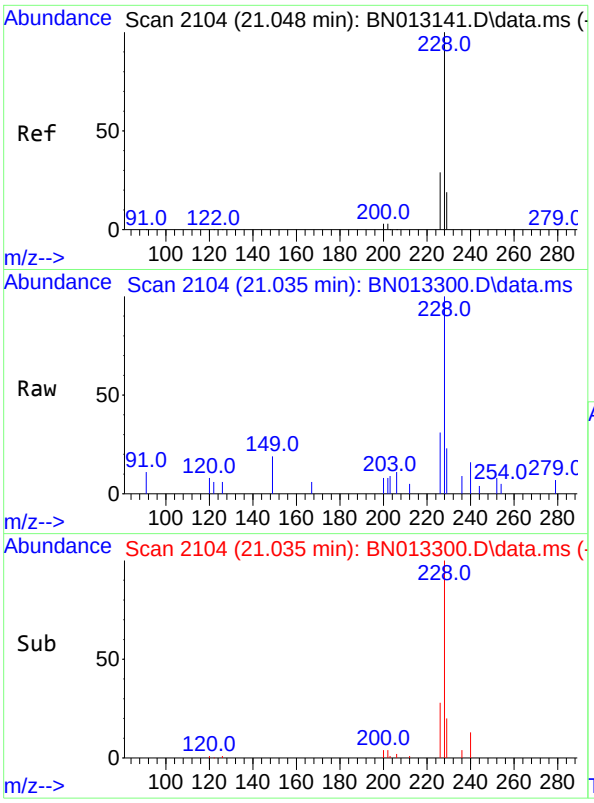
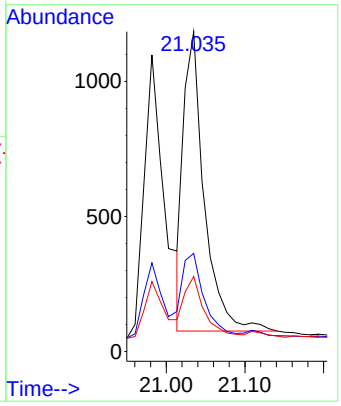


#33
Chrysene
Concen: 0.17 ng
RT: 21.035 min Scan# 2104
Delta R.T. -0.003 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:228 Resp: 2016

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	23.5	15.7	23.5



Instrument :
BNA_N
ClientSampleId :
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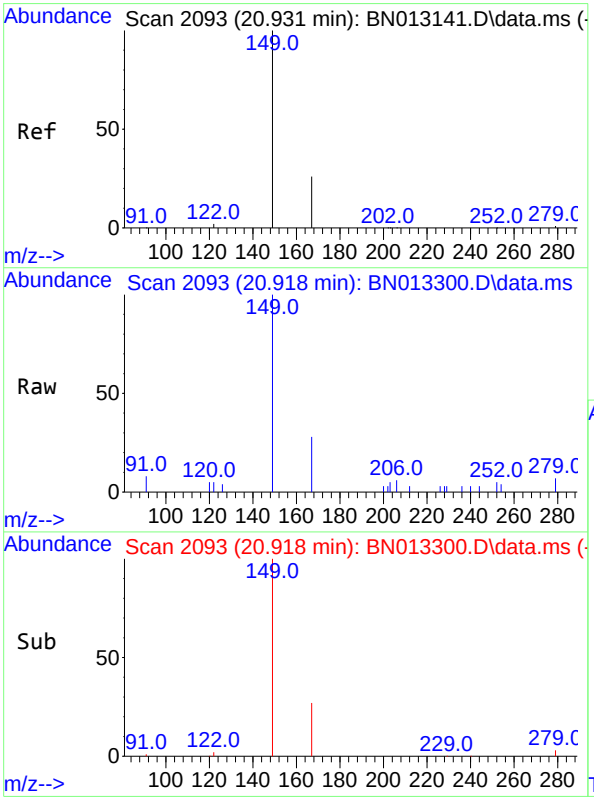
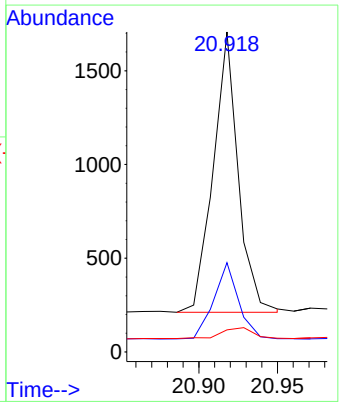
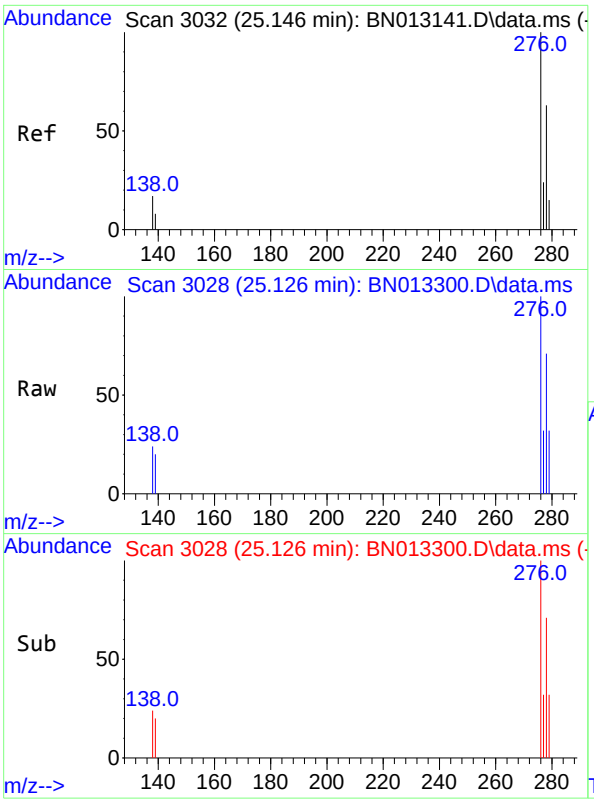


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.03 ng
RT: 20.918 min Scan# 2093
Delta R.T. -0.003 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:149 Resp: 1650

Ion	Ratio	Lower	Upper
149	100		
167	26.8	23.2	34.8
279	4.7	3.9	5.9

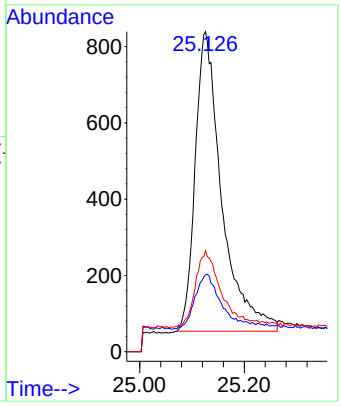




#35
Indeno(1,2,3-cd)pyrene
Concen: 0.17 ng
RT: 25.126 min Scan# 3028
Delta R.T. 0.004 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:276 Resp: 2771

Ion	Ratio	Lower	Upper
276	100		
138	14.4	13.3	19.9
277	22.5	20.2	30.4



Instrument :
BNA_N
ClientSampleId :
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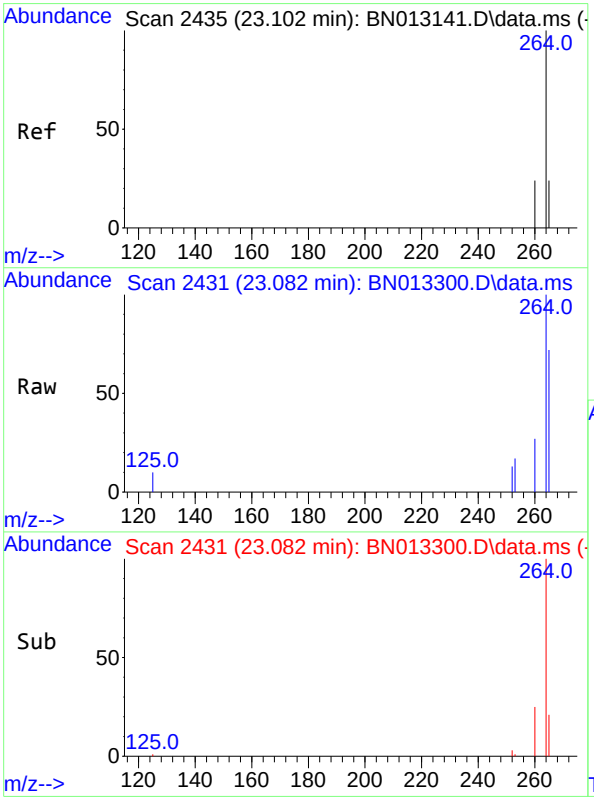
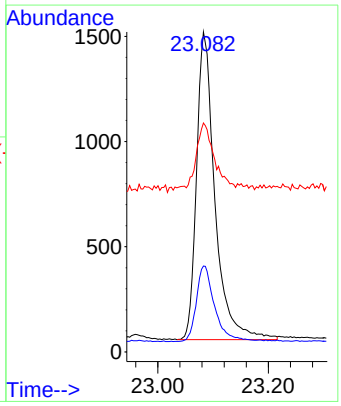
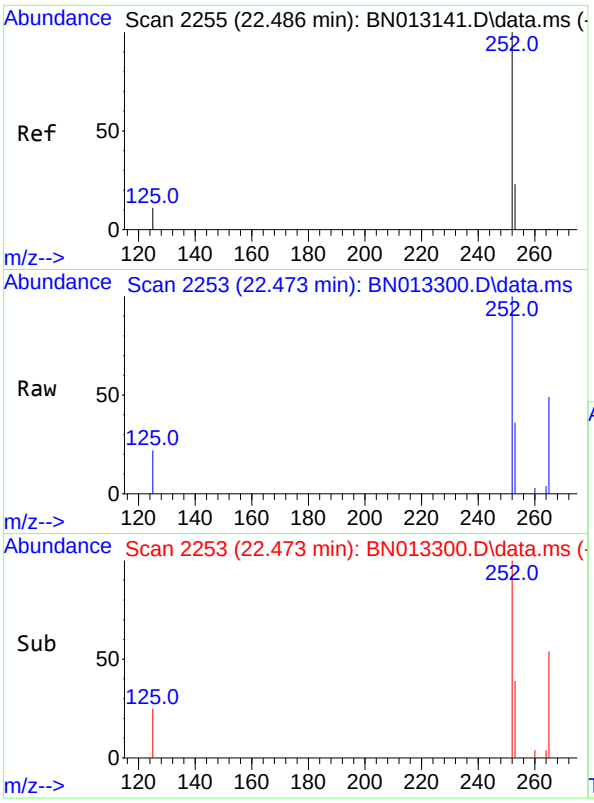


#36
Perylene-d12
Concen: 0.40 ng
RT: 23.082 min Scan# 2431
Delta R.T. -0.003 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:264 Resp: 3376

Ion	Ratio	Lower	Upper
264	100		
260	26.8	19.8	29.6
265	71.5	51.4	77.0

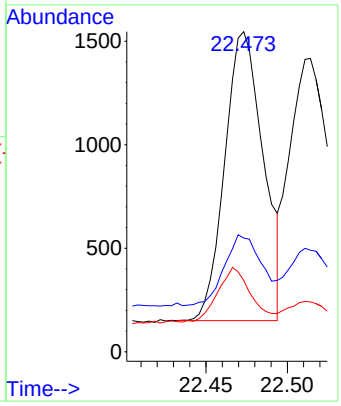




#37
Benzo(b)fluoranthene
Concen: 0.19 ng
RT: 22.473 min Scan# 2253
Delta R.T. 0.001 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:252 Resp: 2302

Ion	Ratio	Lower	Upper
252	100		
253	35.5	20.1	30.1#
125	22.3	7.2	10.8#



Instrument :
BNA_N
ClientSampleId :
TT180D1-20201214MS

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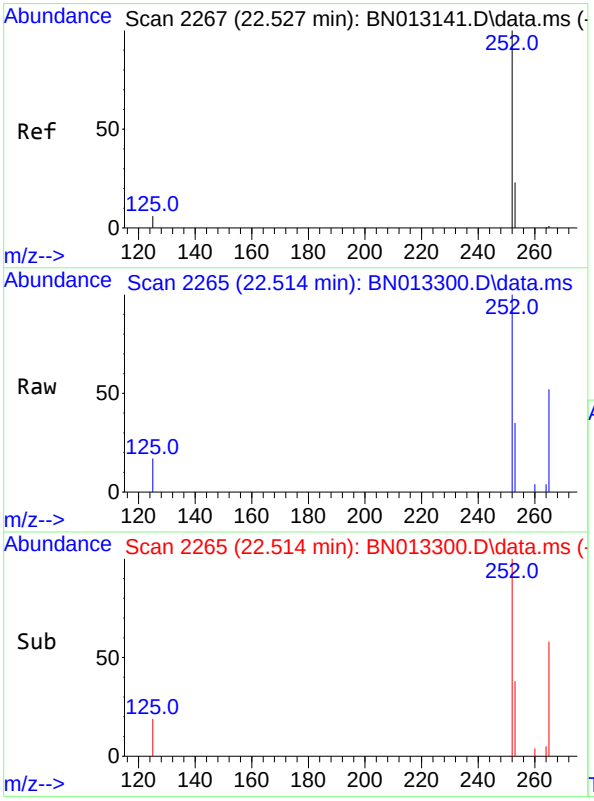
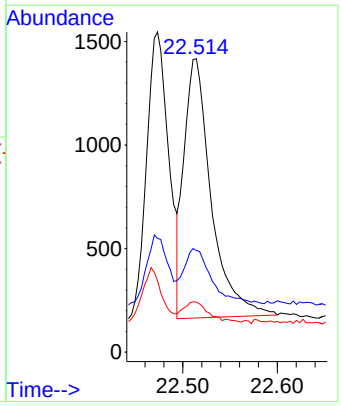
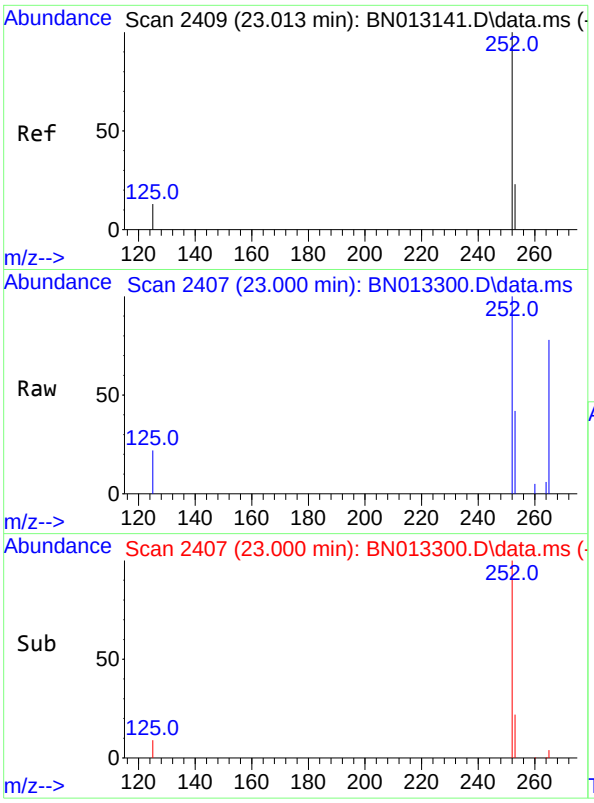


#38
Benzo(k)fluoranthene
Concen: 0.18 ng
RT: 22.514 min Scan# 2265
Delta R.T. 0.001 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:252 Resp: 2507

Ion	Ratio	Lower	Upper
252	100		
253	34.6	19.8	29.8#
125	17.0	7.1	10.7#

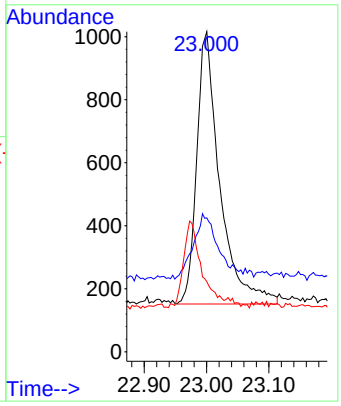


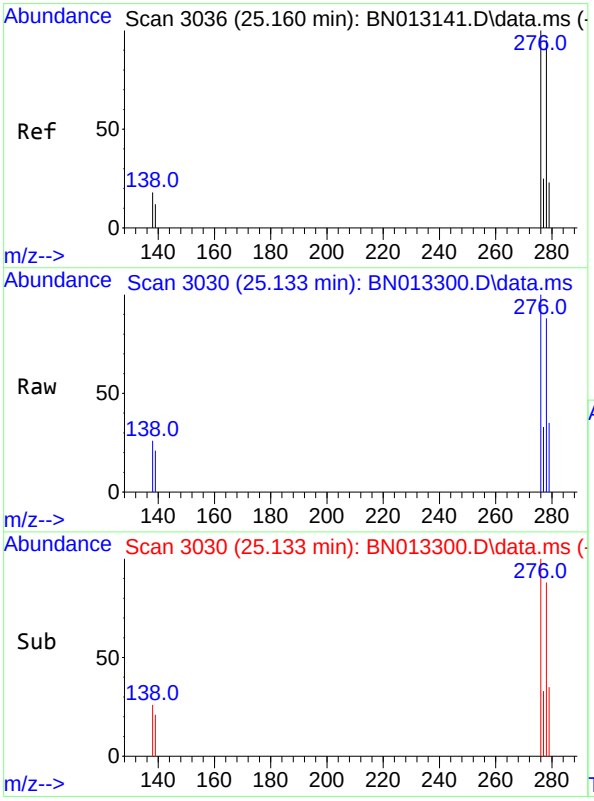


#39
Benzo(a)pyrene
Concen: 0.19 ng
RT: 23.000 min Scan# 2407
Delta R.T. 0.001 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:252 Resp: 2216

Ion	Ratio	Lower	Upper
252	100		
253	41.8	21.3	31.9#
125	21.9	8.3	12.5#

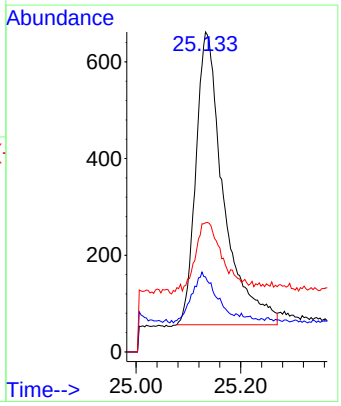




#40
Dibenzo(a,h)anthracene
Concen: 0.17 ng
RT: 25.133 min Scan# 3030
Delta R.T. 0.001 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:278 Resp: 2231

Ion	Ratio	Lower	Upper
278	100		
139	23.4	9.3	13.9#
279	40.3	21.6	32.4#



Instrument :
BNA_N
ClientSampleId :
TT180D1-20201214MS

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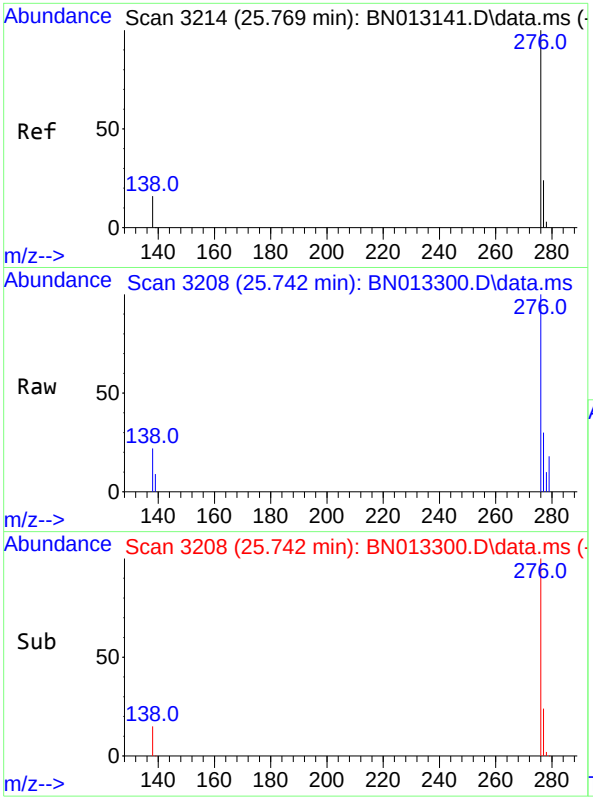
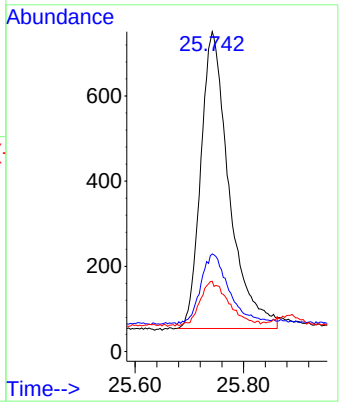


#41
Benzo(g,h,i)perylene
Concen: 0.18 ng
RT: 25.742 min Scan# 3208
Delta R.T. 0.001 min
Lab File: BN013300.D
Acq: 23 Dec 2020 16:34

Tgt Ion:276 Resp: 2528

Ion	Ratio	Lower	Upper
276	100		
277	30.5	19.8	29.8#
138	22.0	11.7	17.5#



Instrument :
BNA_N
ClientSampleId :
TT180D1-20201214MS

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