Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122123\
Data File : BN029154.D
Acq On : 21 Dec 2023 17:21
Operator : MA/JU
Sample : PB157944BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Quant Time: Dec 21 23:26:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 18:03:30 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.789	152	933	0.400	ng		0.00
7) Naphthalene-d8	10.583	136	1732	0.400	ng		0.00
13) Acenaphthene-d10	14.425	164	922	0.400	ng		0.00
19) Phenanthrene-d10	17.181	188	1504	0.400	ng		0.00
29) Chrysene-d12	21.393	240	656	0.400	ng		0.00
35) Perylene-d12	23.709	264	908	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.406	112	409	0.183	ng		0.00
5) Phenol-d6	7.002	99	508	0.207	ng		0.00
8) Nitrobenzene-d5	8.971	82	354	0.157	ng		0.01
11) 2-Methylnaphthalene-d10	12.174	152	840	0.320	ng		0.00
14) 2,4,6-Tribromophenol	15.927	330	271	0.336	ng		0.00
15) 2-Fluorobiphenyl	13.057	172	1454	0.270	ng		0.00
27) Fluoranthene-d10	19.224	212	1143	0.314	ng		0.00
31) Terphenyl-d14	19.833	244	685	0.380	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.340	88	89	0.101	ng	#	38
3) n-Nitrosodimethylamine	3.723	42	59	0.098	ng	#	1
6) bis(2-Chloroethyl)ether	7.248	93	141	0.074	ng		91
9) Naphthalene	10.626	128	586	0.104	ng	#	81
10) Hexachlorobutadiene	10.893	225	158	0.085	ng	#	97
12) 2-Methylnaphthalene	12.246	142	581	0.157	ng		97
16) Acenaphthylene	14.147	152	1450	0.223	ng		97
17) Acenaphthene	14.490	154	806	0.207	ng		99
18) Fluorene	15.484	166	1244	0.237	ng		99
20) 4,6-Dinitro-2-methylph...	15.592	198	85	0.181	ng	#	88
21) 4-Bromophenyl-phenylether	16.386	248	387	0.249	ng		98
22) Hexachlorobenzene	16.473	284	460	0.254	ng		96
23) Atrazine	16.672	200	403	0.309	ng		96
24) Pentachlorophenol	16.846	266	527	0.491	ng		94
25) Phenanthrene	17.230	178	1738	0.280	ng		97
26) Anthracene	17.317	178	1685	0.281	ng		97
28) Fluoranthene	19.252	202	1598	0.249	ng		99
30) Pyrene	19.615	202	1578	0.305	ng		98
32) Benzo(a)anthracene	21.375	228	1164	0.323	ng		100
33) Chrysene	21.429	228	1140	0.320	ng		99
34) Bis(2-ethylhexyl)phtha...	21.313	149	1213	0.250	ng	#	95
36) Indeno(1,2,3-cd)pyrene	26.092	276	2216	0.379	ng	#	65
37) Benzo(b)fluoranthene	23.008	252	1486	0.322	ng		99
38) Benzo(k)fluoranthene	23.054	252	1488	0.329	ng		99
39) Benzo(a)pyrene	23.610	252	1436	0.348	ng		97
40) Dibenzo(a,h)anthracene	26.121	278	1664	0.370	ng		95
41) Benzo(g,h,i)perylene	26.820	276	1821	0.368	ng		97

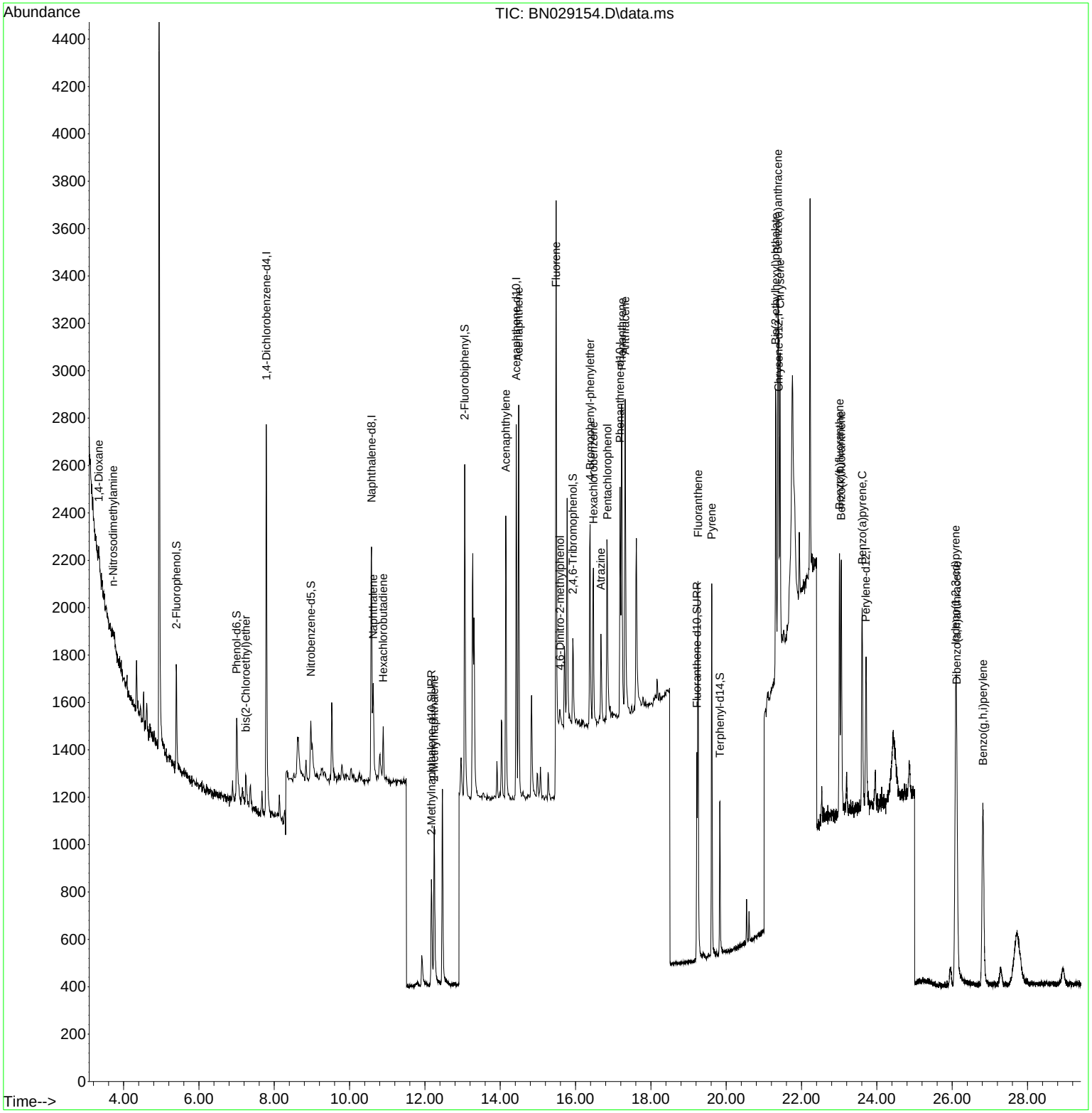
(#) = qualifier out of range (m) = manual integration (+) = signals summed

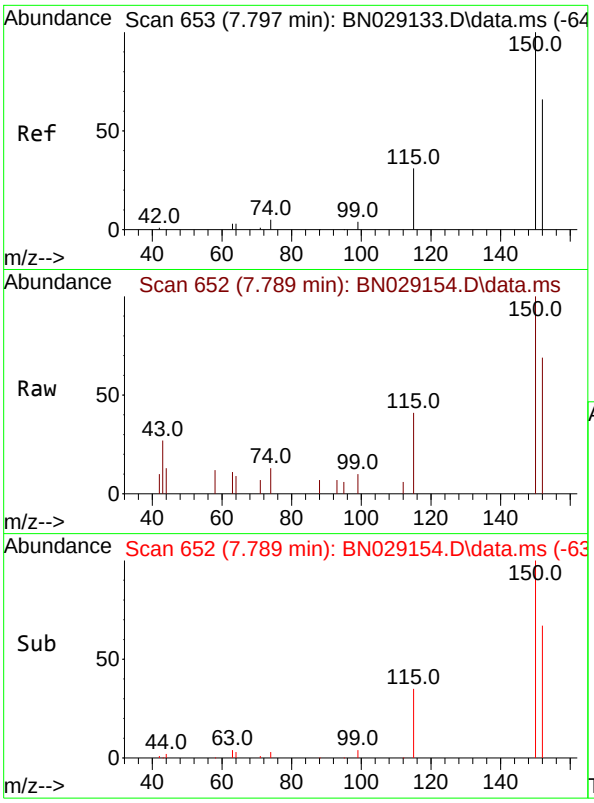
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122123\
Data File : BN029154.D
Acq On : 21 Dec 2023 17:21
Operator : MA/JU
Sample : PB157944BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Quant Time: Dec 21 23:26:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 18:03:30 2023
Response via : Initial Calibration



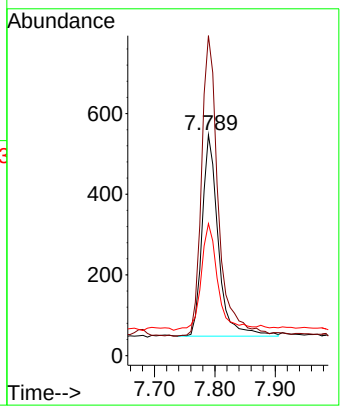


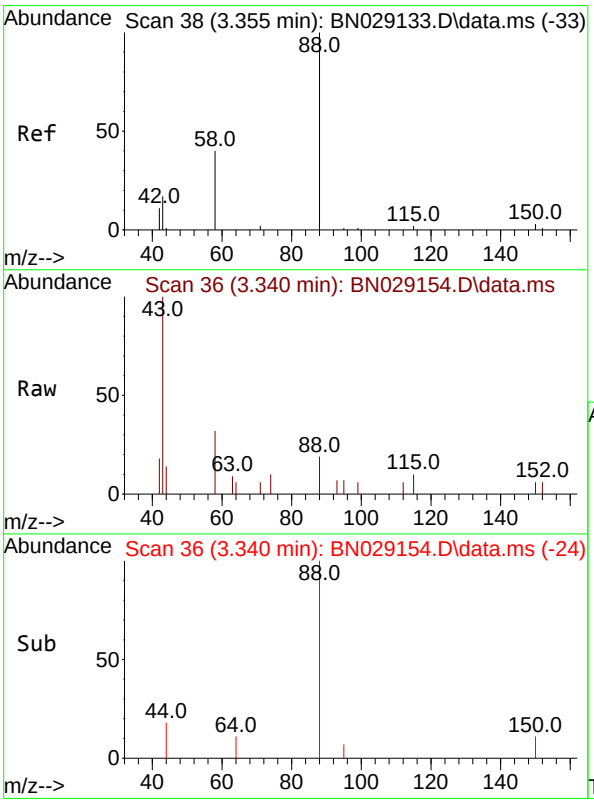
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 6
Delta R.T. -0.008 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:152 Resp: 933

Ion	Ratio	Lower	Upper
152	100		
150	145.0	117.6	176.4
115	59.8	44.2	66.2

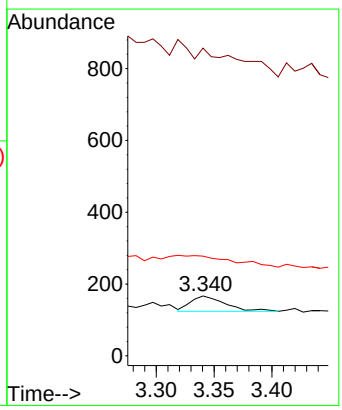


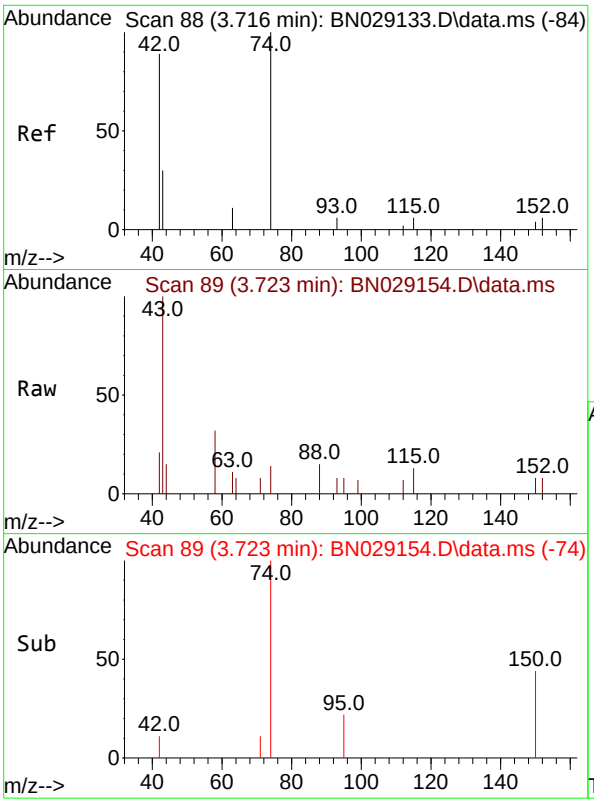


#2
1,4-Dioxane
Concen: 0.101 ng
RT: 3.340 min Scan# 36
Delta R.T. -0.015 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion: 88 Resp: 89

Ion	Ratio	Lower	Upper
88	100		
43	0.0	20.1	30.1#
58	0.0	35.4	53.2#



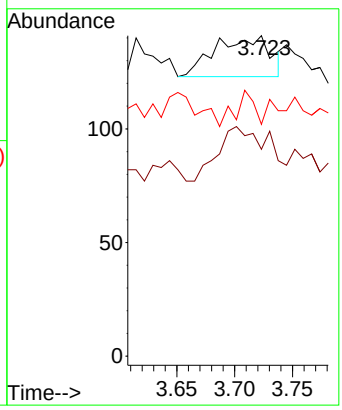


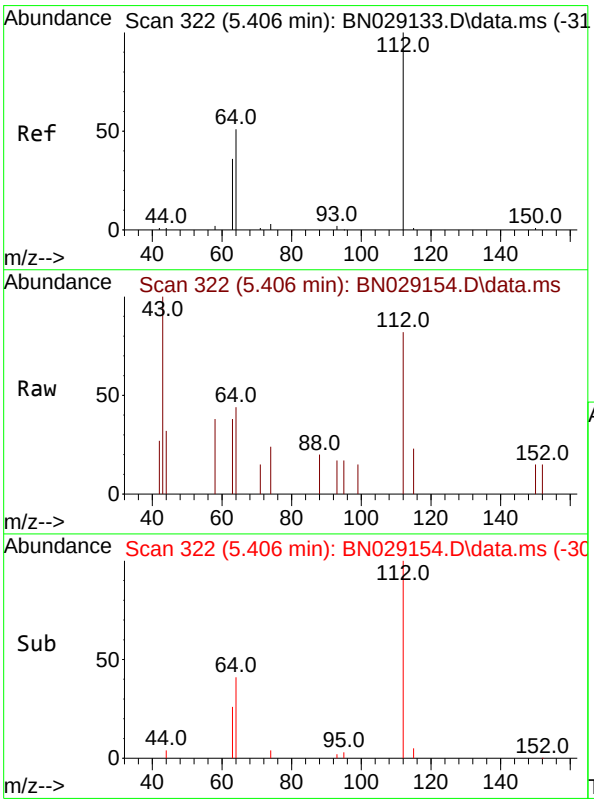
#3
n-Nitrosodimethylamine
Concen: 0.098 ng
RT: 3.723 min Scan# 8
Delta R.T. 0.007 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion: 42 Resp: 59

Ion	Ratio	Lower	Upper
42	100		
74	0.0	103.0	154.4#
44	0.0	3.2	4.8#

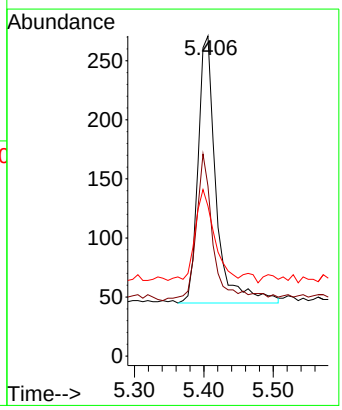


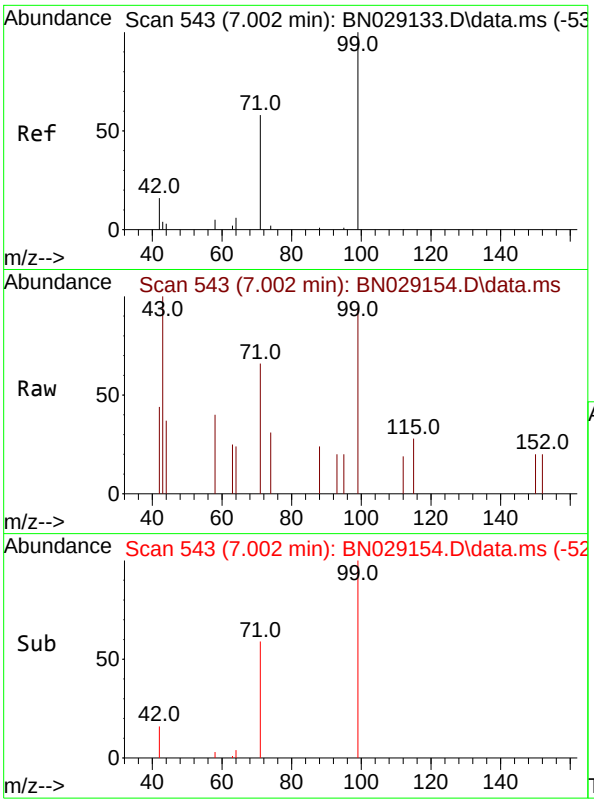


#4
2-Fluorophenol
Concen: 0.183 ng
RT: 5.406 min Scan# 322
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:112 Resp: 409

Ion	Ratio	Lower	Upper
112	100		
64	53.1	38.6	58.0
63	35.7	30.0	45.0



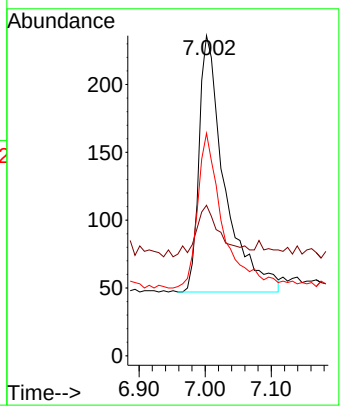


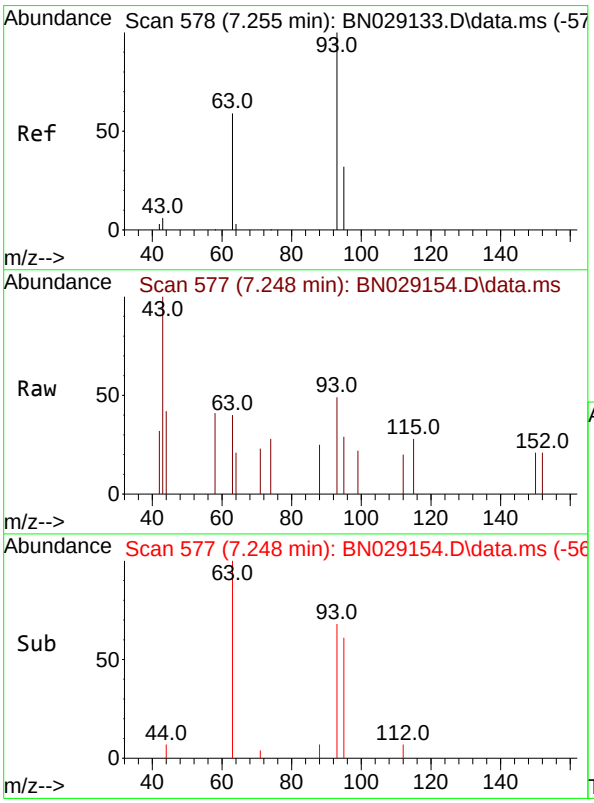
#5
Phenol-d6
Concen: 0.207 ng
RT: 7.002 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion: 99 Resp: 508

Ion	Ratio	Lower	Upper
99	100		
42	19.5	13.8	20.6
71	59.4	45.4	68.2

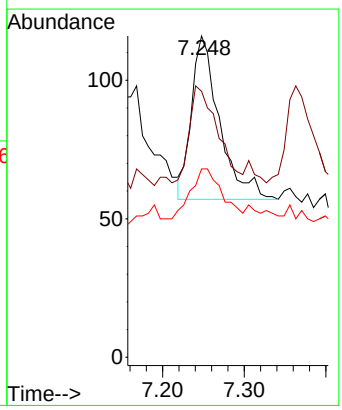


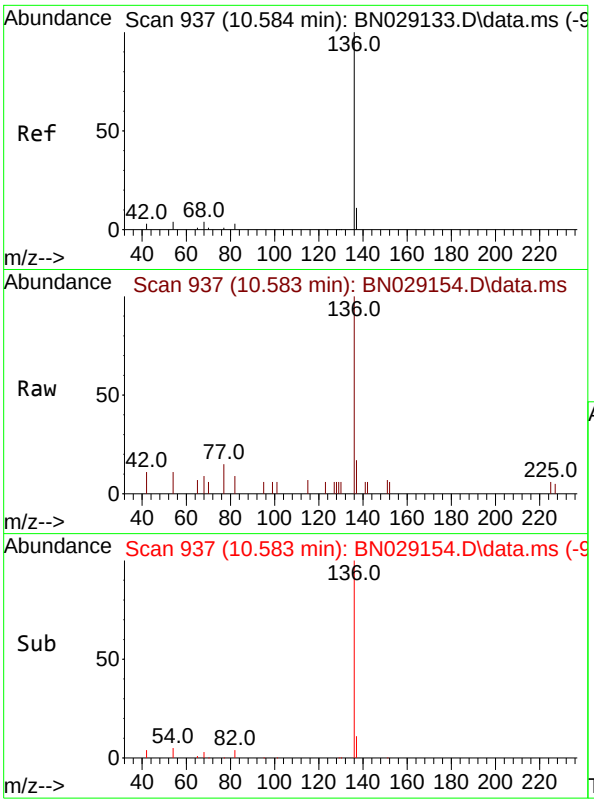


#6
bis(2-Chloroethyl)ether
Concen: 0.074 ng
RT: 7.248 min Scan# 577
Delta R.T. -0.008 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion: 93 Resp: 141

Ion	Ratio	Lower	Upper
93	100		
63	60.3	57.0	85.6
95	34.0	27.4	41.2



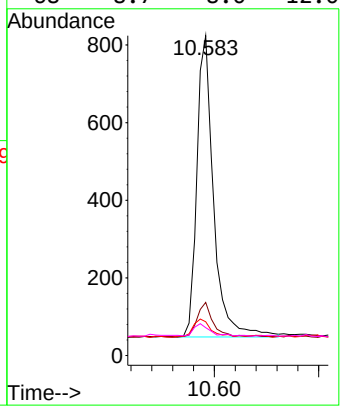


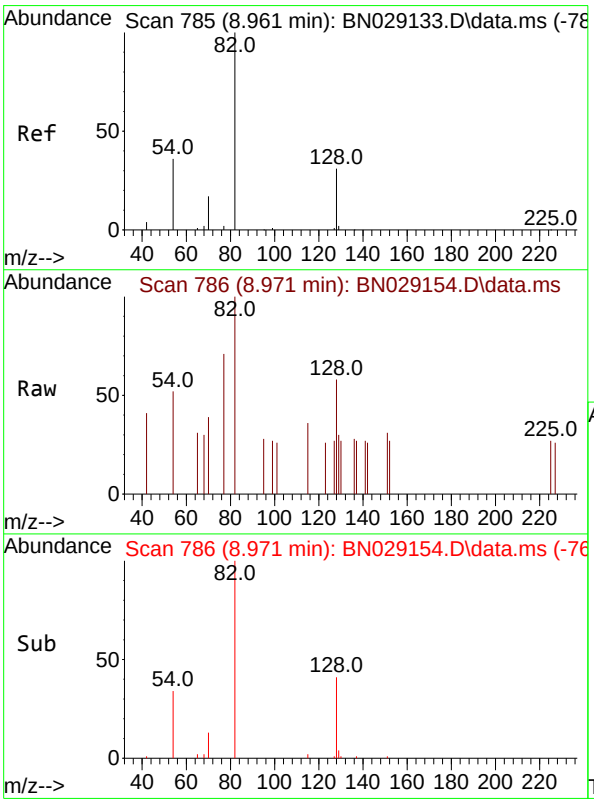
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.583 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:136 Resp: 1732

Ion	Ratio	Lower	Upper
136	100		
137	16.6	13.4	20.0
54	10.6	8.6	13.0
68	8.7	8.0	12.0

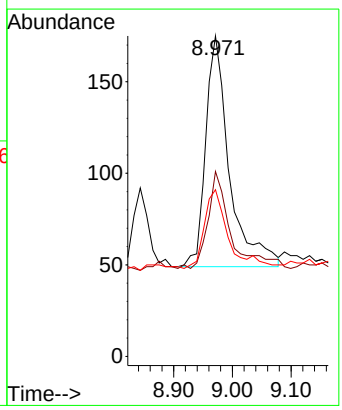


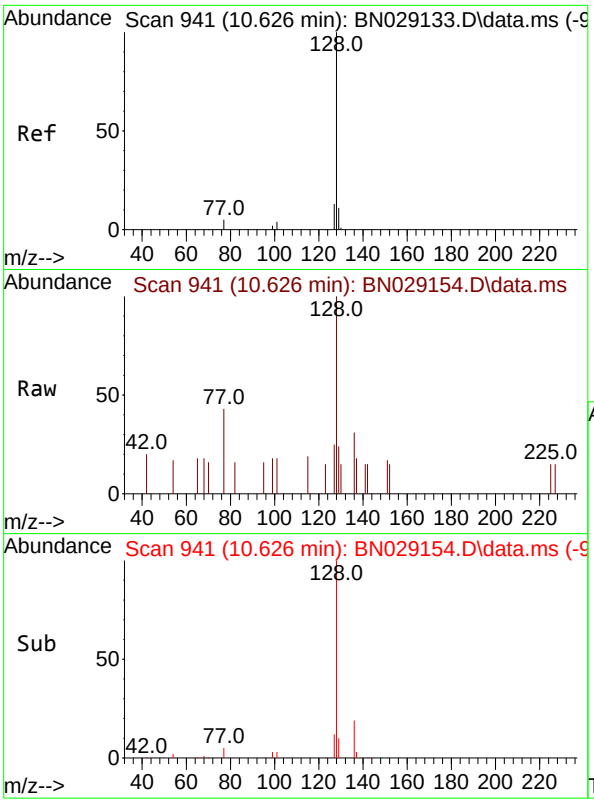


#8
Nitrobenzene-d5
Concen: 0.157 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.010 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion: 82 Resp: 354

Ion	Ratio	Lower	Upper
82	100		
128	57.7	33.0	49.4#
54	52.0	35.8	53.8



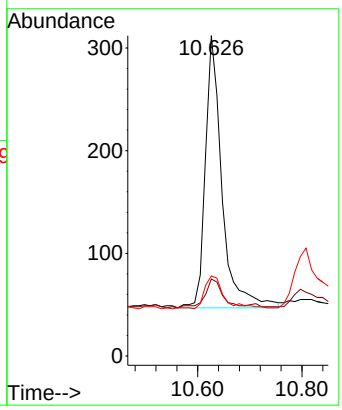


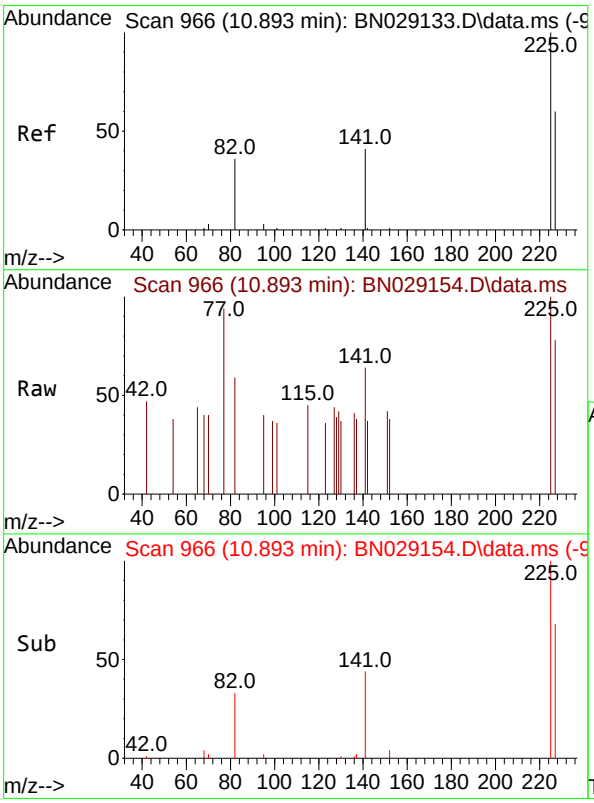
#9
Naphthalene
Concen: 0.104 ng
RT: 10.626 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:128 Resp: 586

Ion	Ratio	Lower	Upper
128	100		
129	24.0	12.0	18.0#
127	25.0	14.1	21.1#

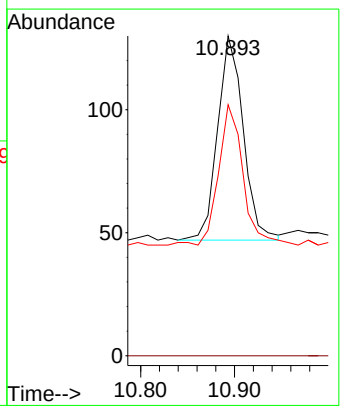


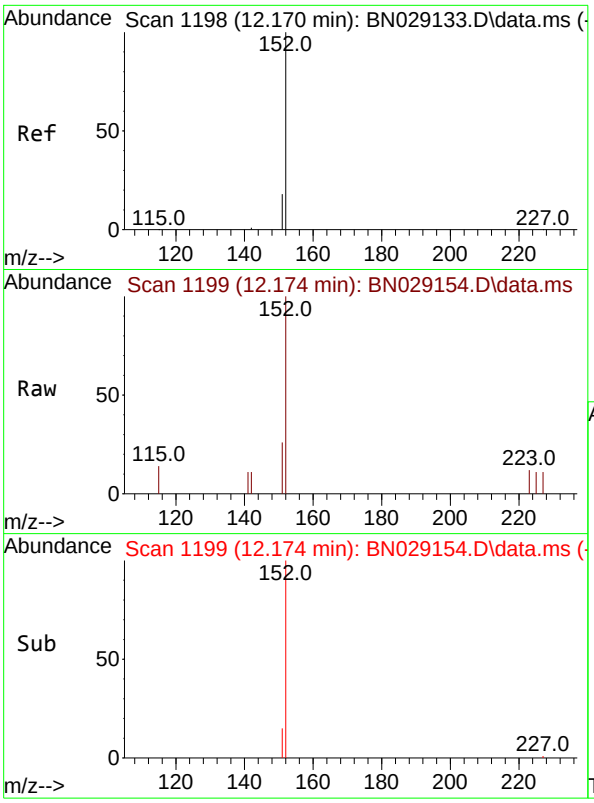


#10
Hexachlorobutadiene
Concen: 0.085 ng
RT: 10.893 min Scan# 966
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:225 Resp: 158

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.2	50.6	75.8



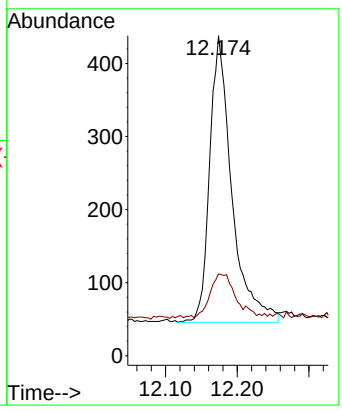


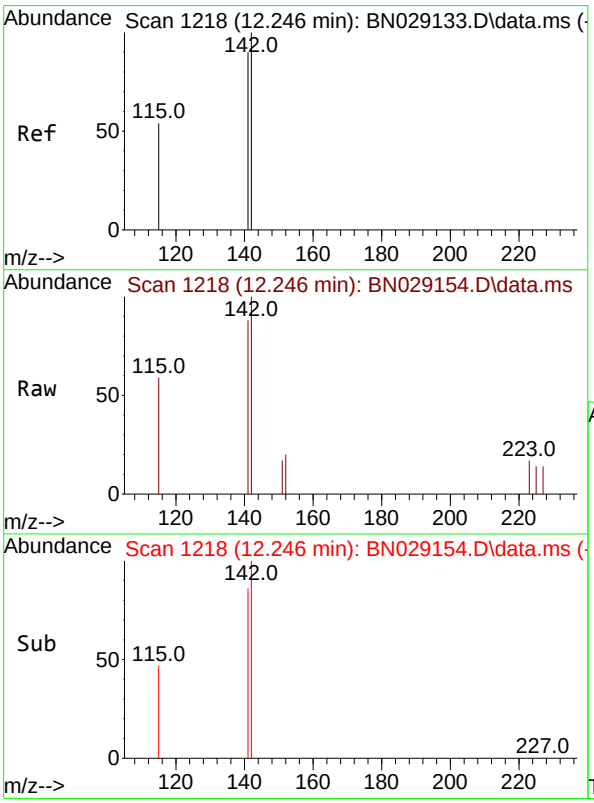
#11
2-Methylnaphthalene-d10
Concen: 0.320 ng
RT: 12.174 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:152 Resp: 840

Ion	Ratio	Lower	Upper
152	100		
151	18.0	17.4	26.2

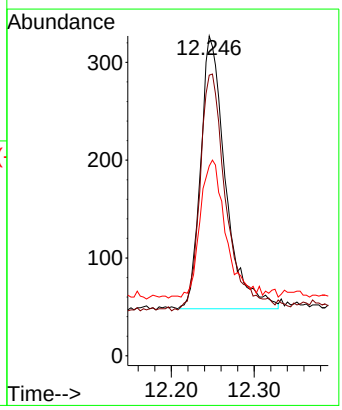


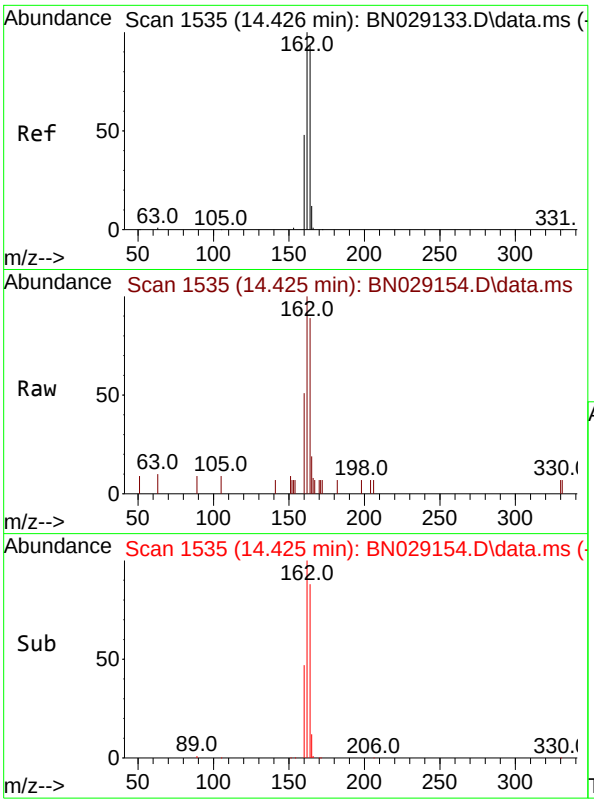


#12
2-Methylnaphthalene
Concen: 0.157 ng
RT: 12.246 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:142 Resp: 581

Ion	Ratio	Lower	Upper
142	100		
141	87.8	73.0	109.4
115	59.3	46.8	70.2



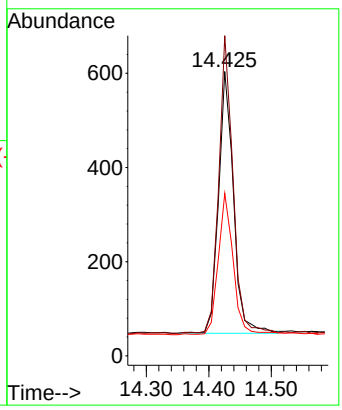


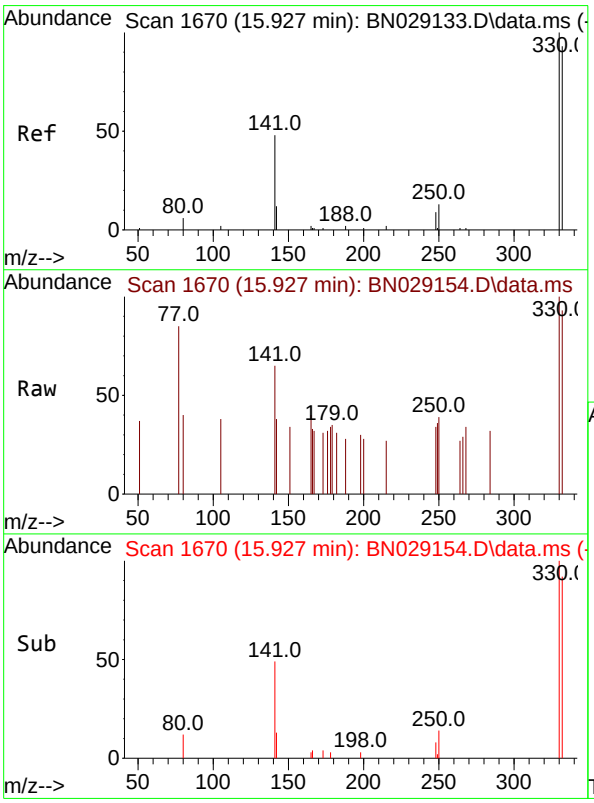
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.425 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:164 Resp: 922

Ion	Ratio	Lower	Upper
164	100		
162	112.6	85.0	127.4
160	57.1	45.8	68.8

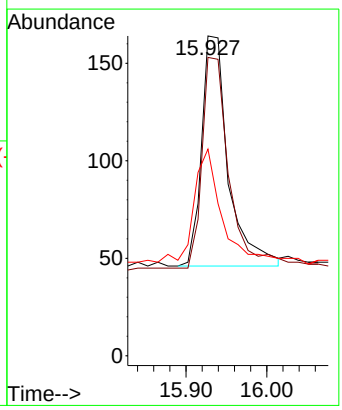


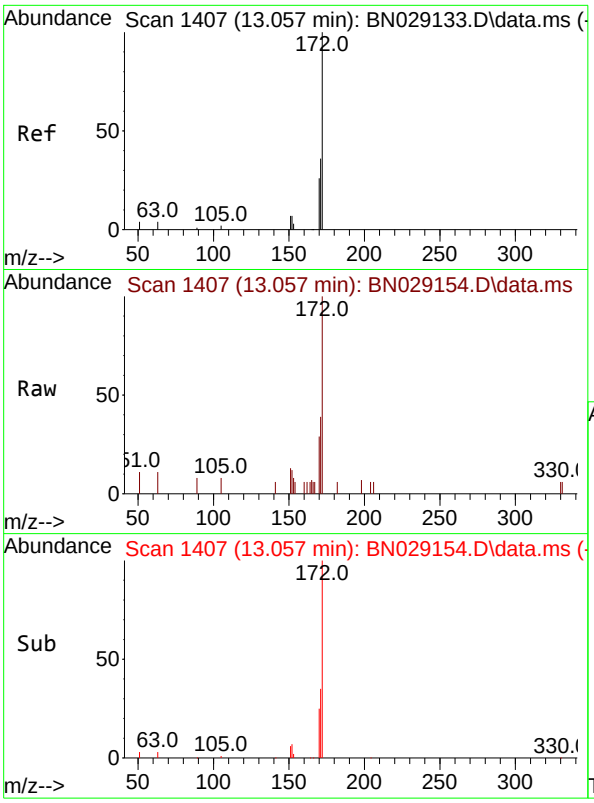


#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 15.927 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:330 Resp: 271

Ion	Ratio	Lower	Upper
330	100		
332	93.0	83.4	125.0
141	50.2	43.8	65.8



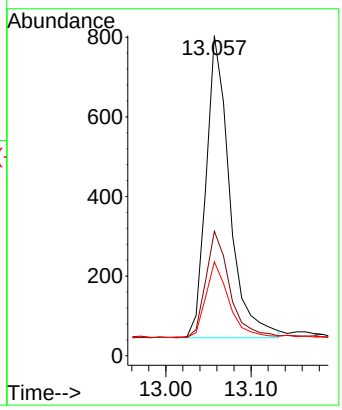


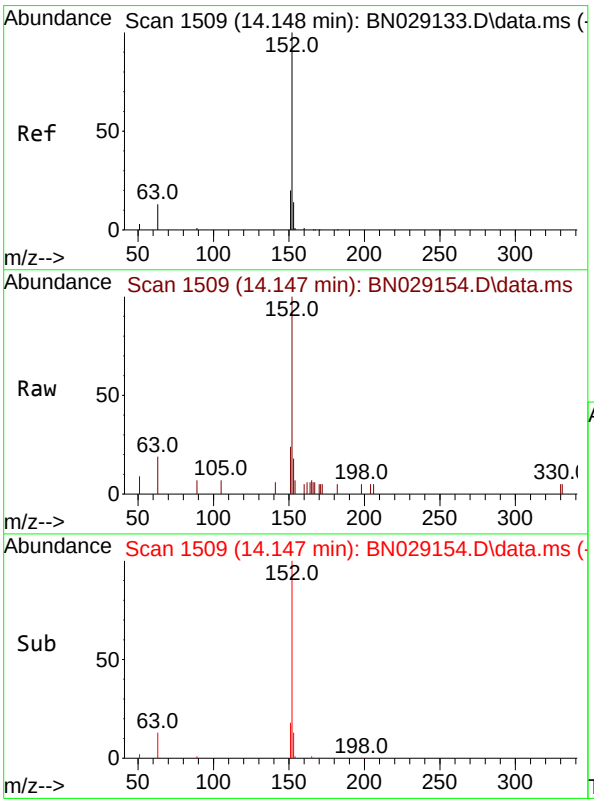
#15
2-Fluorobiphenyl
Concen: 0.270 ng
RT: 13.057 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:172 Resp: 1454

Ion	Ratio	Lower	Upper
172	100		
171	38.9	32.2	48.4
170	29.4	25.0	37.4

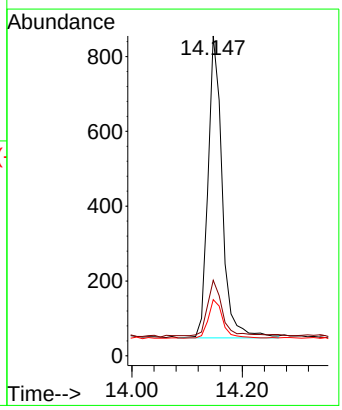


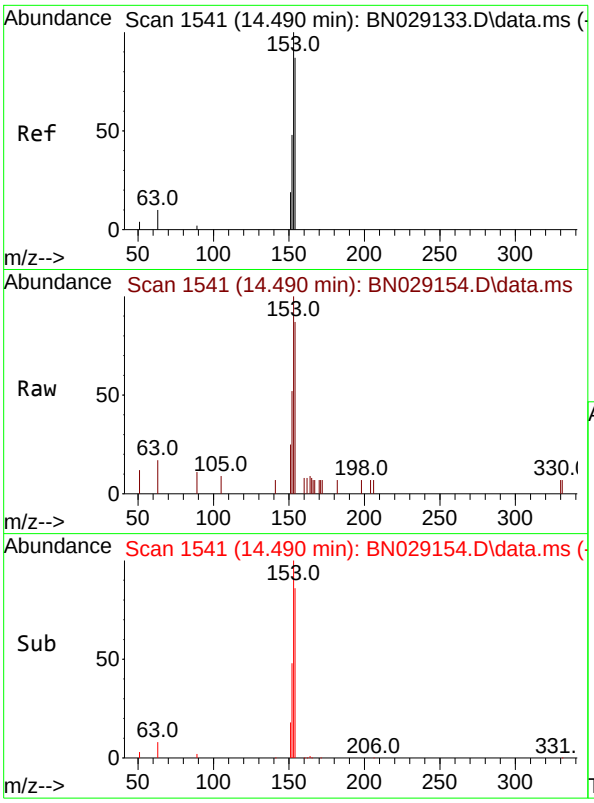


#16
Acenaphthylene
Concen: 0.223 ng
RT: 14.147 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:152 Resp: 1450

Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.3	24.5
153	13.2	10.1	15.1



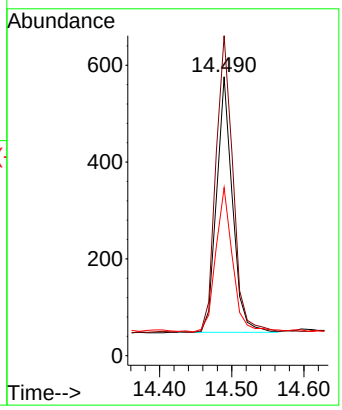


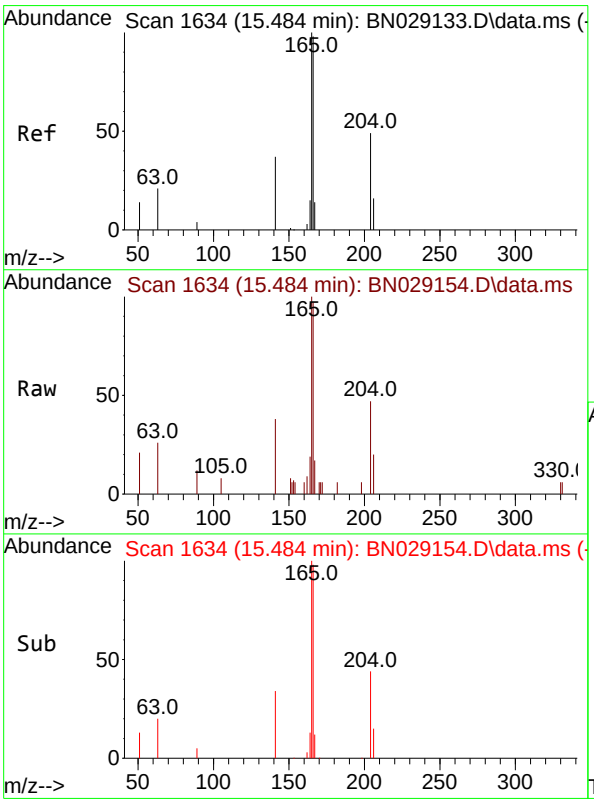
#17
Acenaphthene
Concen: 0.207 ng
RT: 14.490 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:154 Resp: 806

Ion	Ratio	Lower	Upper
154	100		
153	125.7	99.9	149.9
152	58.9	47.4	71.2

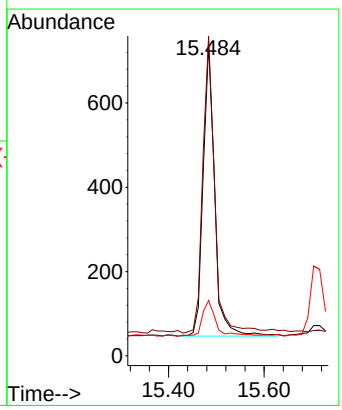


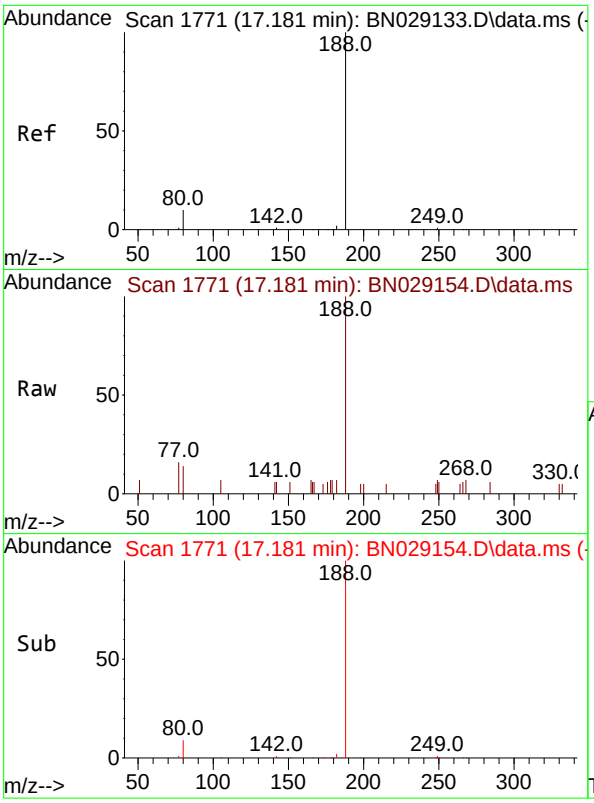


#18
Fluorene
Concen: 0.237 ng
RT: 15.484 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:166 Resp: 1244

Ion	Ratio	Lower	Upper
166	100		
165	103.4	83.4	125.0
167	13.8	11.8	17.8



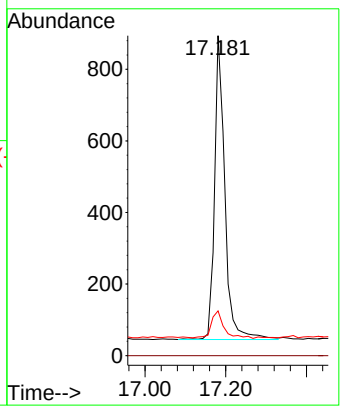


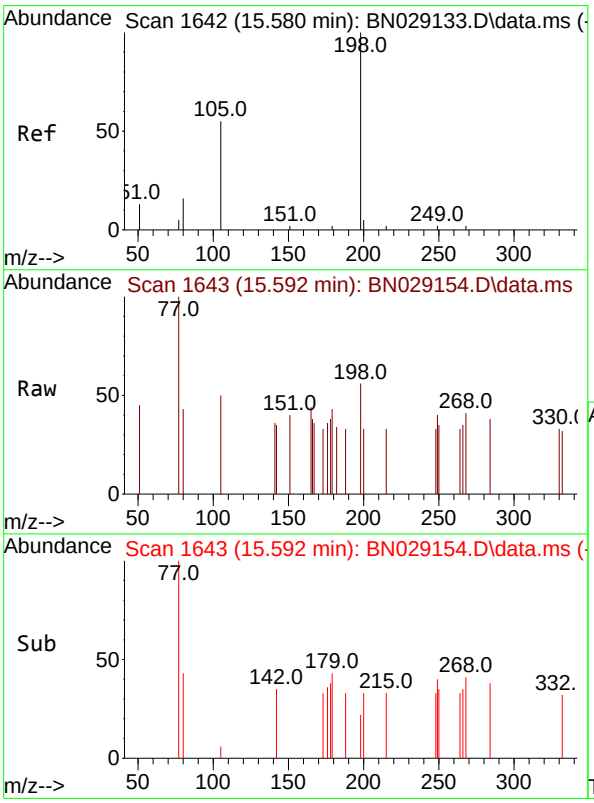
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:188 Resp: 1504

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.0	13.7	20.5

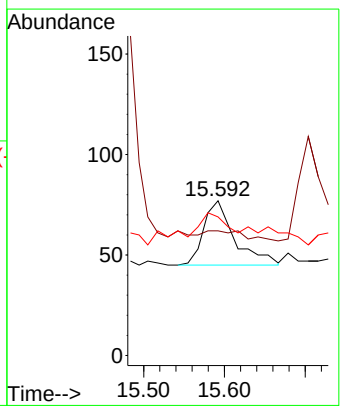


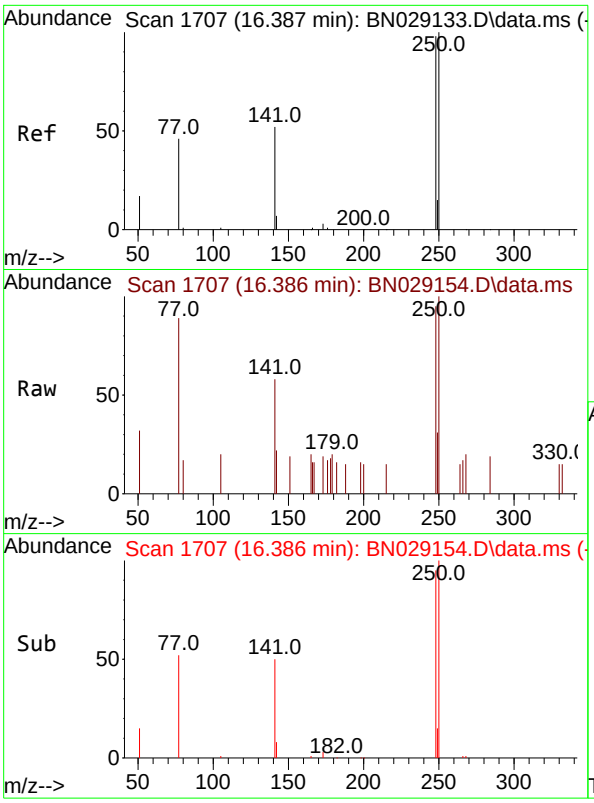


#20
4,6-Dinitro-2-methylphenol
Concen: 0.181 ng
RT: 15.592 min Scan# 1643
Delta R.T. 0.012 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:198 Resp: 85

Ion	Ratio	Lower	Upper
198	100		
51	80.5	53.6	80.4#
105	89.6	65.6	98.4



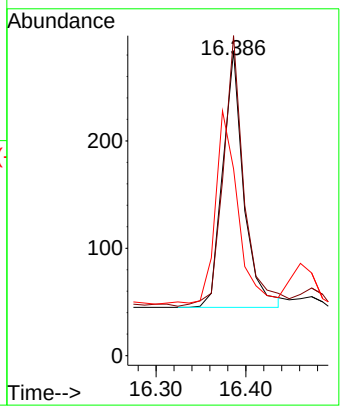


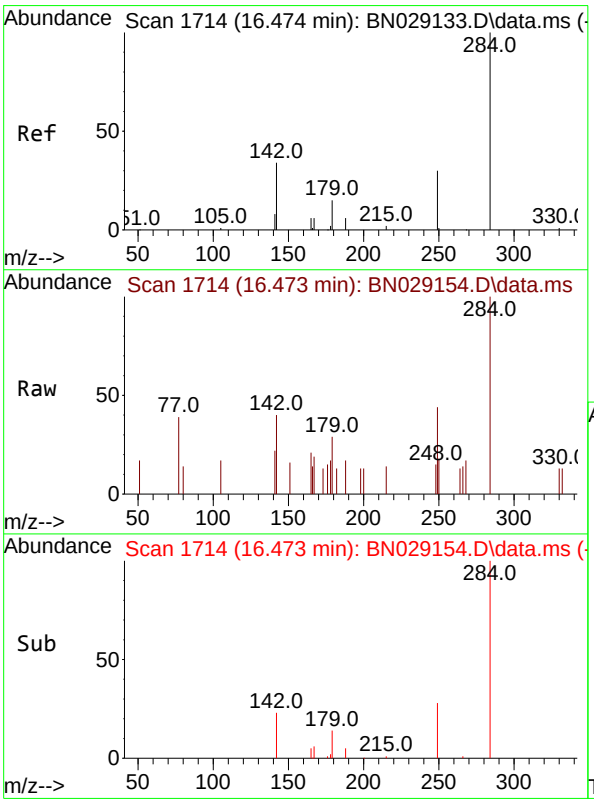
#21
4-Bromophenyl-phenylether
Concen: 0.249 ng
RT: 16.386 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:248 Resp: 387

Ion	Ratio	Lower	Upper
248	100		
250	104.9	82.2	123.2
141	61.3	49.7	74.5

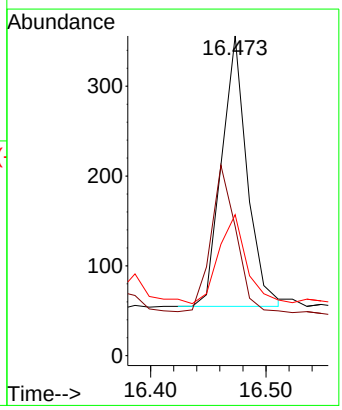


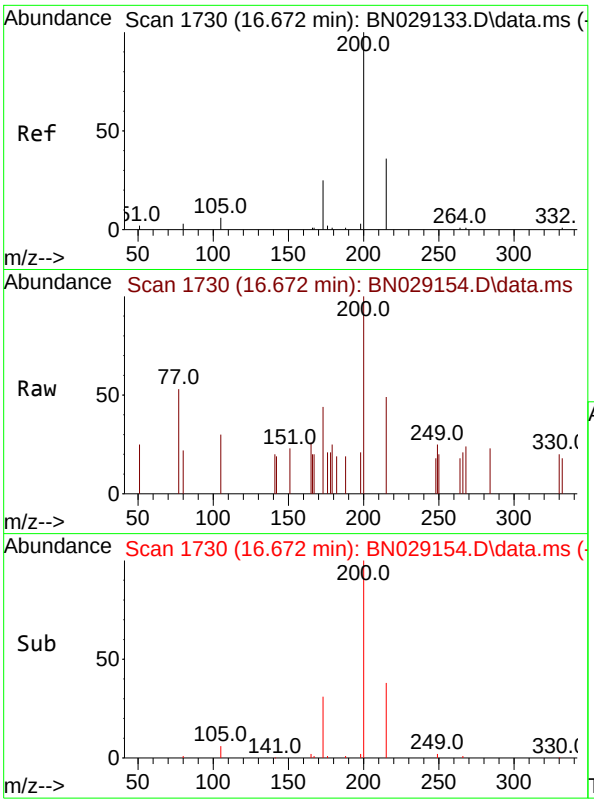


#22
Hexachlorobenzene
Concen: 0.254 ng
RT: 16.473 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:284 Resp: 460

Ion	Ratio	Lower	Upper
284	100		
142	54.1	46.9	70.3
249	36.1	28.6	43.0



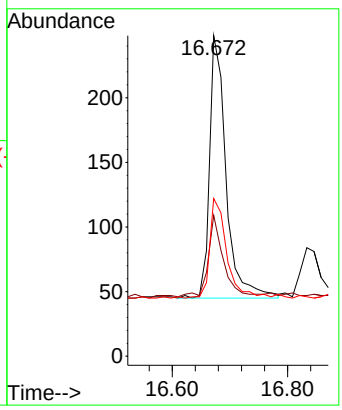


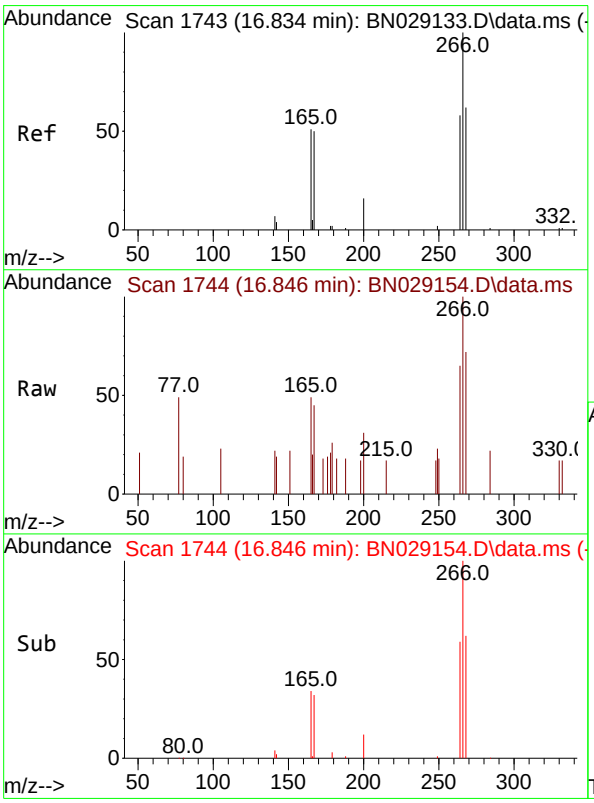
#23
Atrazine
Concen: 0.309 ng
RT: 16.672 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:200 Resp: 403

Ion	Ratio	Lower	Upper
200	100		
173	44.0	31.4	47.2
215	49.2	38.5	57.7

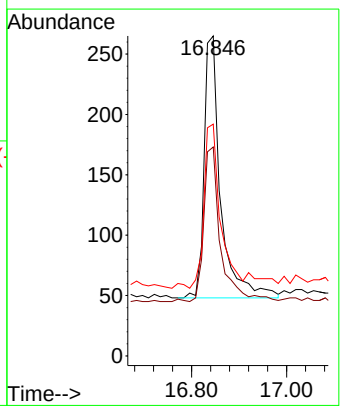


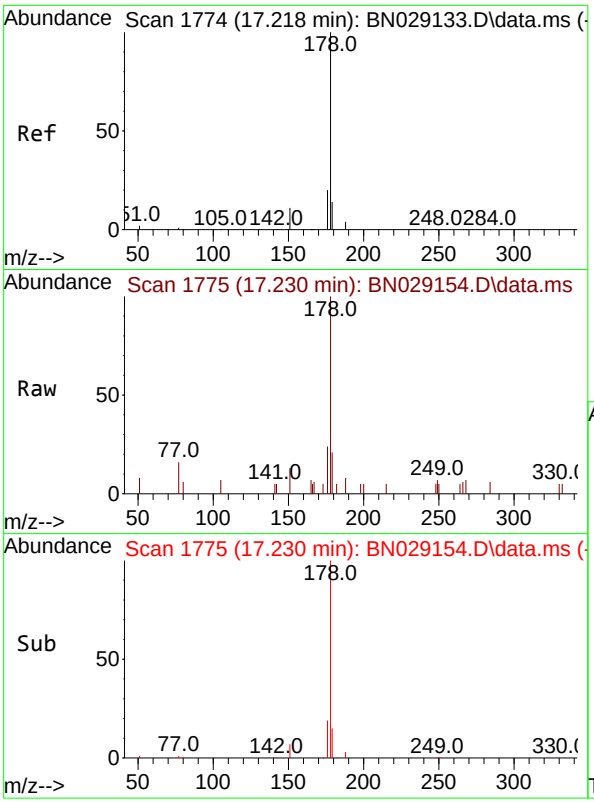


#24
Pentachlorophenol
Concen: 0.491 ng
RT: 16.846 min Scan# 1744
Delta R.T. 0.012 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:266 Resp: 527

Ion	Ratio	Lower	Upper
266	100		
264	59.6	45.0	67.6
268	62.8	55.5	83.3



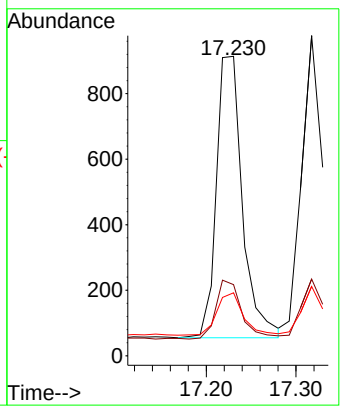


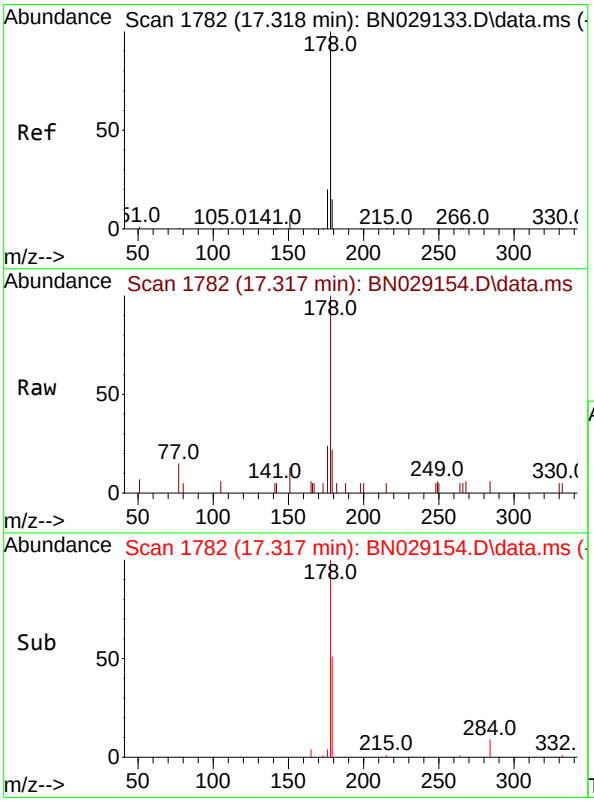
#25
Phenanthrene
Concen: 0.280 ng
RT: 17.230 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:178 Resp: 1738

Ion	Ratio	Lower	Upper
178	100		
176	20.9	17.4	26.0
179	15.2	13.7	20.5

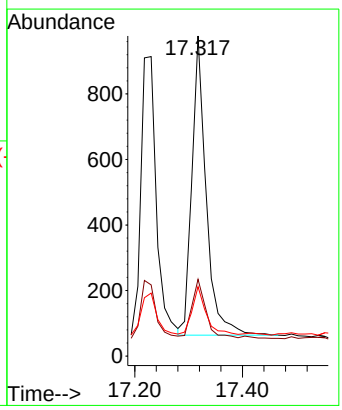


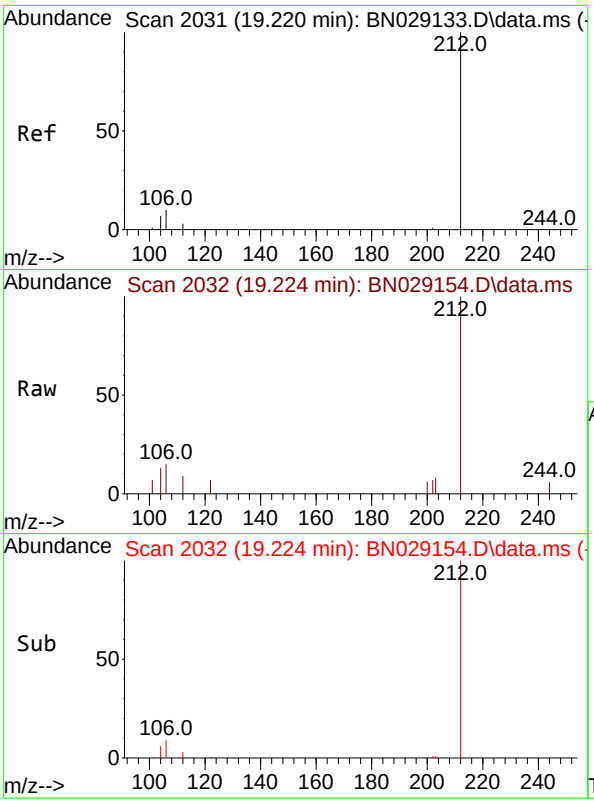


#26
Anthracene
Concen: 0.281 ng
RT: 17.317 min Scan# 1782
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:178 Resp: 1685

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.4	11.4	17.0



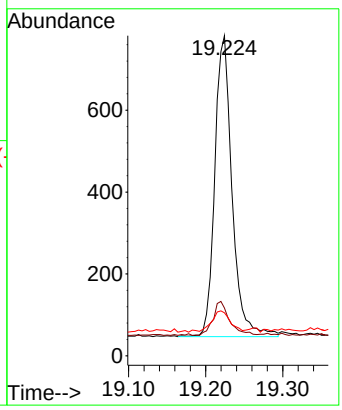


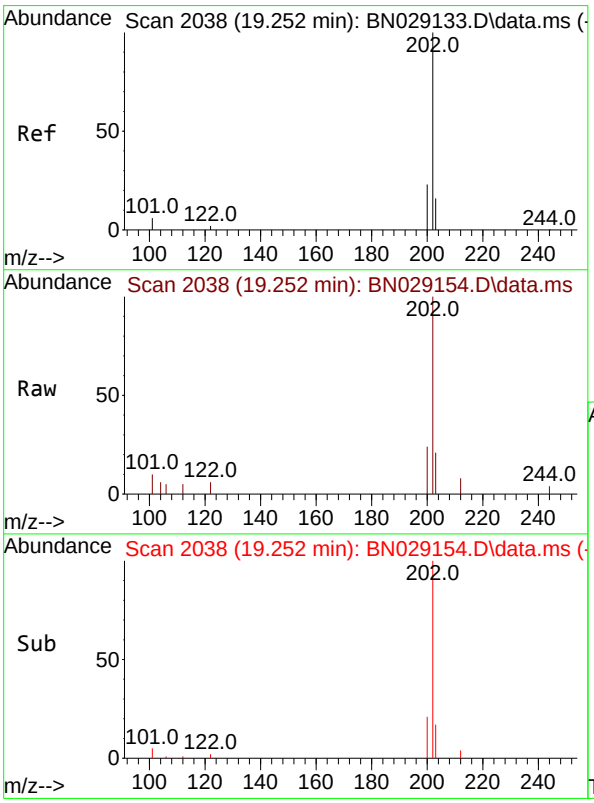
#27
Fluoranthene-d10
Concen: 0.314 ng
RT: 19.224 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:212 Resp: 1143

Ion	Ratio	Lower	Upper
212	100		
106	10.8	9.6	14.4
104	7.7	6.5	9.7

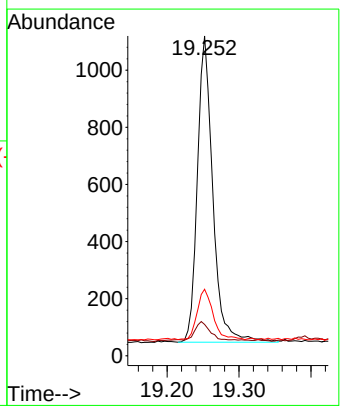


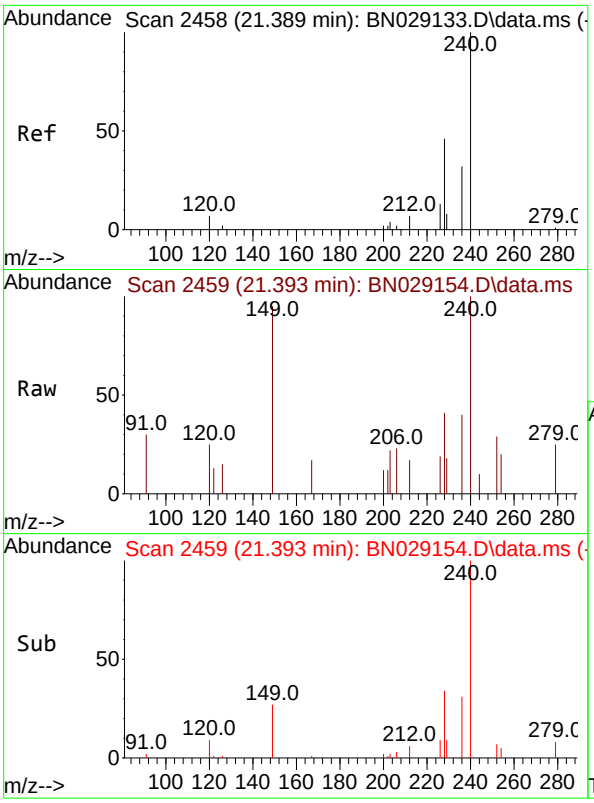


#28
Fluoranthene
Concen: 0.249 ng
RT: 19.252 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:202 Resp: 1598

Ion	Ratio	Lower	Upper
202	100		
101	6.3	5.3	7.9
203	17.0	13.8	20.6



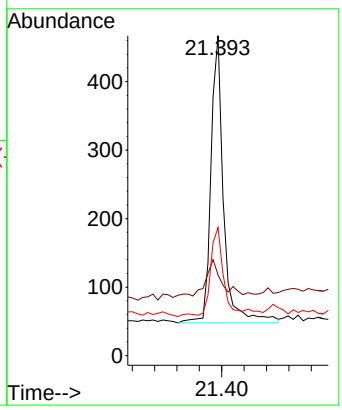


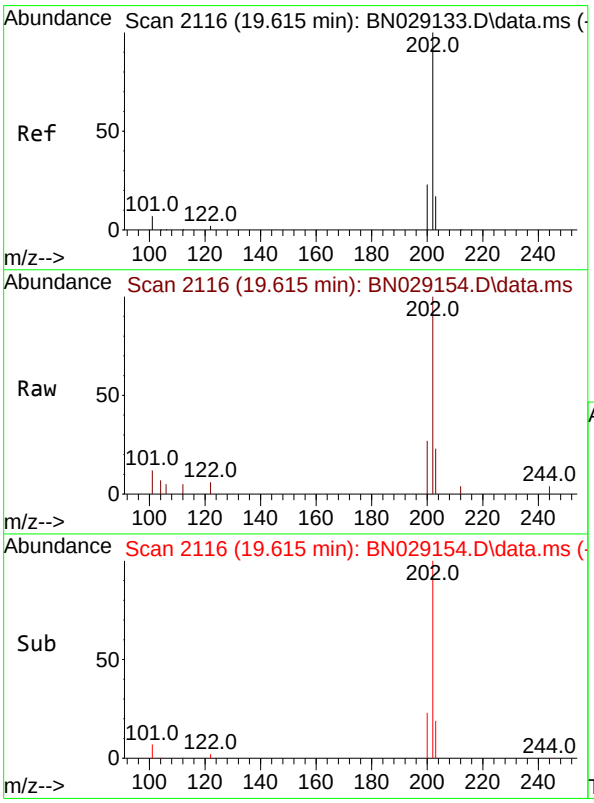
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 24
Delta R.T. 0.004 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:240 Resp: 656

Ion	Ratio	Lower	Upper
240	100		
120	25.3	21.4	32.0
236	40.0	33.5	50.3

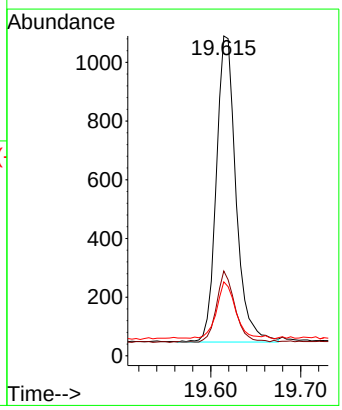


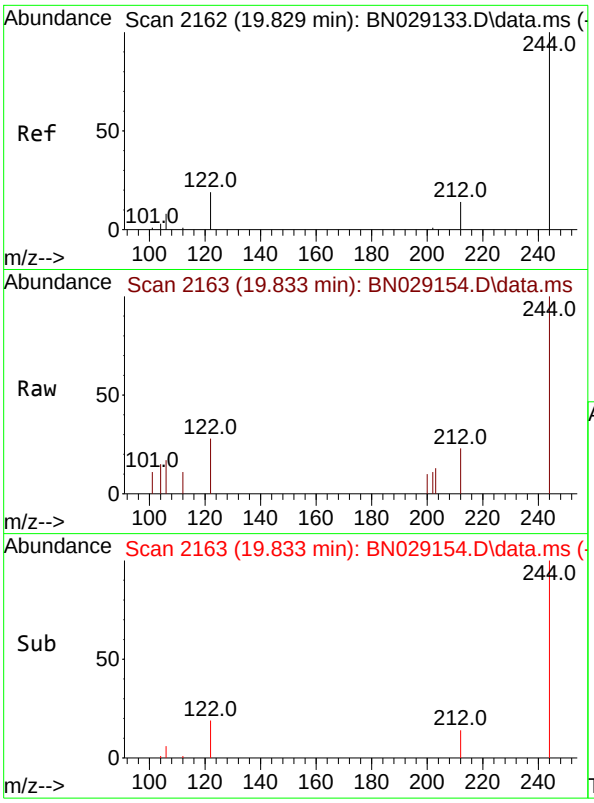


#30
Pyrene
Concen: 0.305 ng
RT: 19.615 min Scan# 2116
Delta R.T. -0.000 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:202 Resp: 1578

Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.0	27.0
203	18.3	15.1	22.7



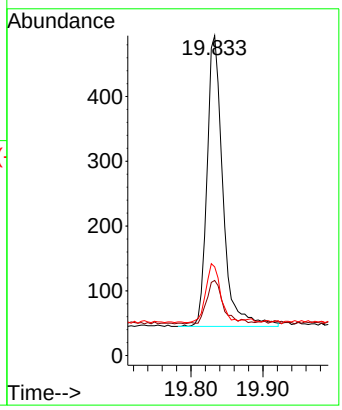


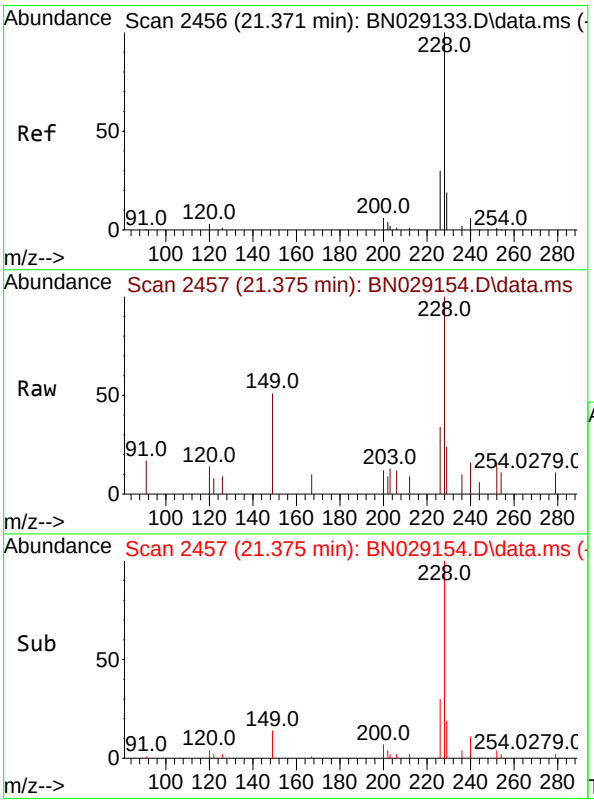
#31
Terphenyl-d14
Concen: 0.380 ng
RT: 19.833 min Scan# 21
Delta R.T. 0.004 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:244 Resp: 685

Ion	Ratio	Lower	Upper
244	100		
212	23.5	19.0	28.6
122	27.7	22.5	33.7

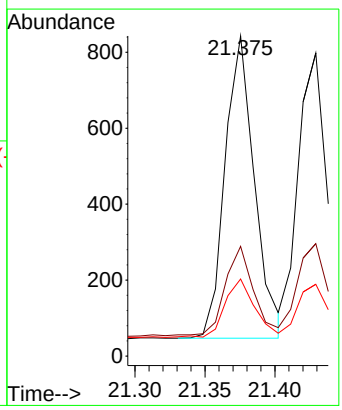


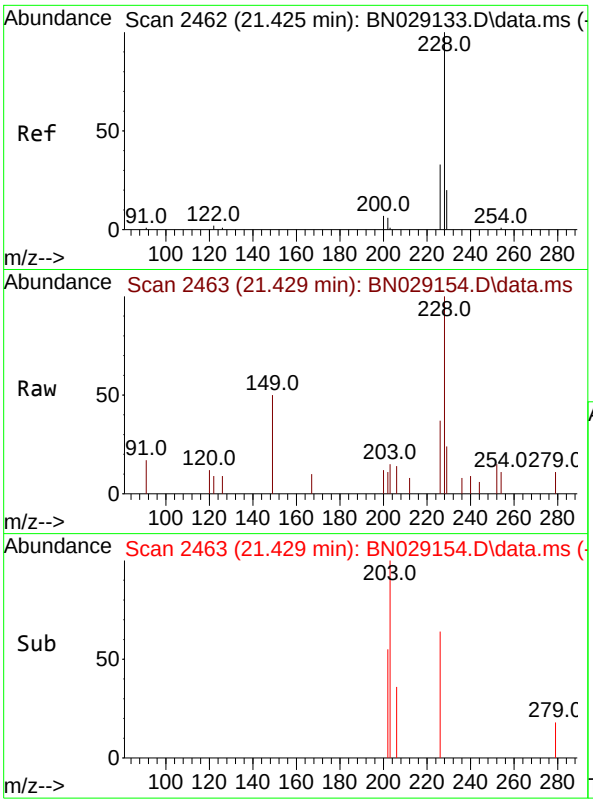


#32
Benzo(a)anthracene
Concen: 0.323 ng
RT: 21.375 min Scan# 2457
Delta R.T. 0.004 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:228 Resp: 1164

Ion	Ratio	Lower	Upper
228	100		
226	34.3	27.6	41.4
229	24.1	19.4	29.0



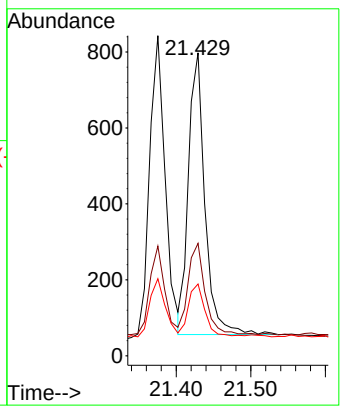


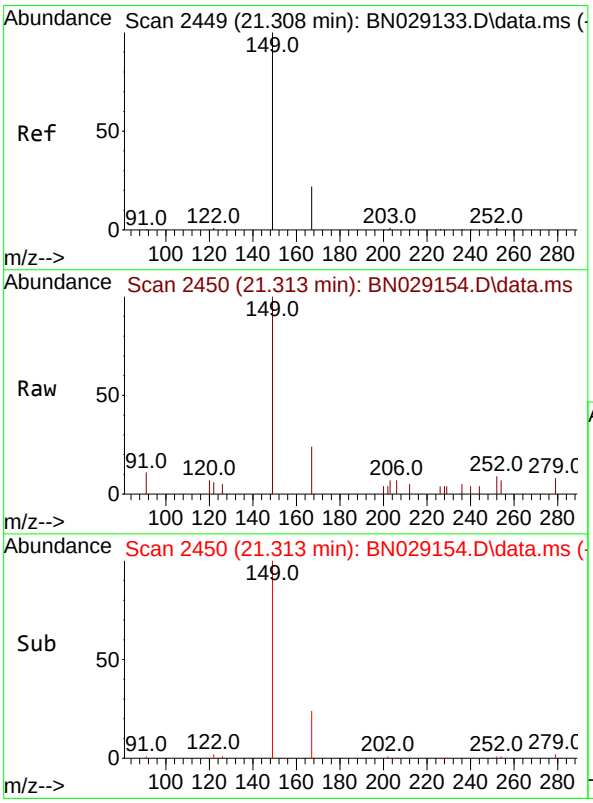
#33
Chrysene
Concen: 0.320 ng
RT: 21.429 min Scan# 24
Delta R.T. 0.004 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:228 Resp: 1140

Ion	Ratio	Lower	Upper
228	100		
226	37.1	29.2	43.8
229	23.7	19.3	28.9

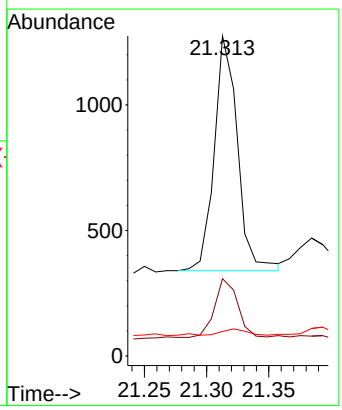


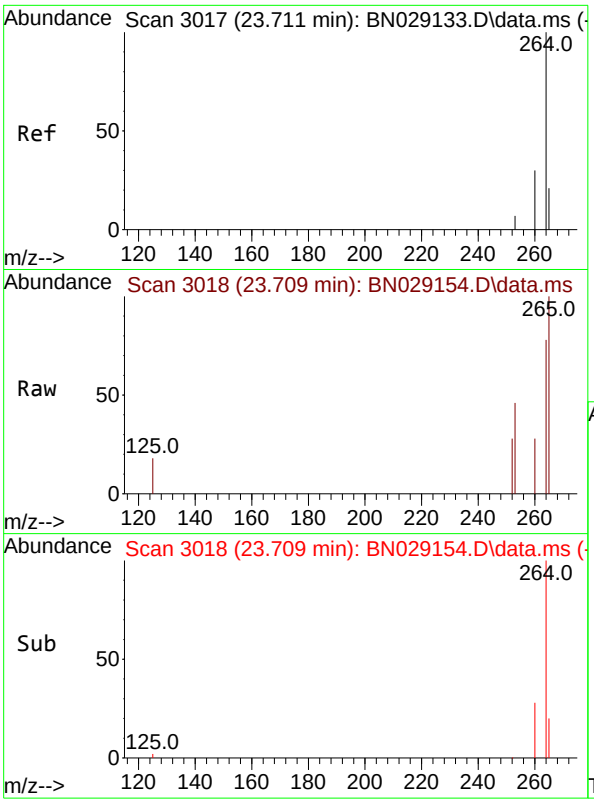


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.250 ng
RT: 21.313 min Scan# 2450
Delta R.T. 0.004 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:149 Resp: 1213

Ion	Ratio	Lower	Upper
149	100		
167	27.8	20.2	30.2
279	3.8	2.5	3.7#



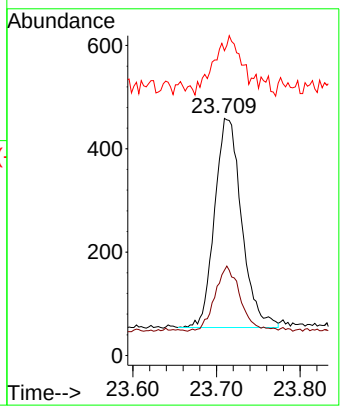


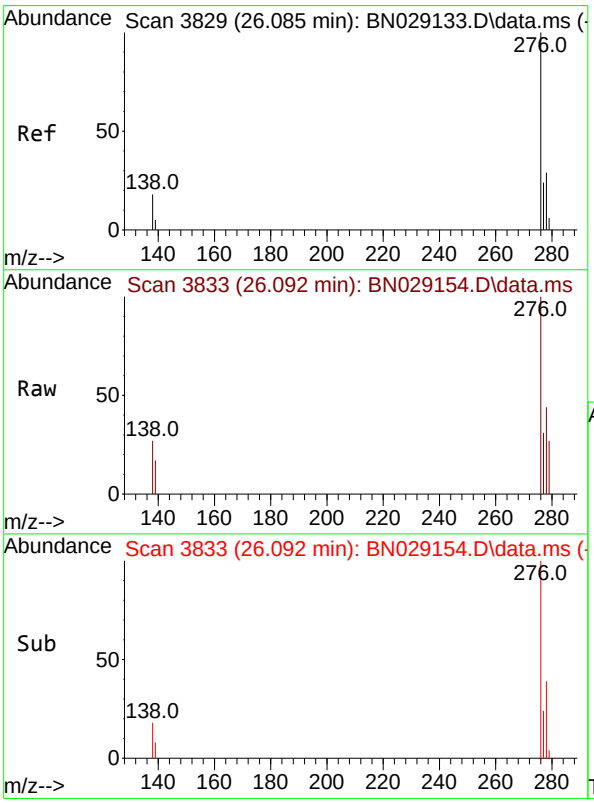
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.709 min Scan# 3
Delta R.T. -0.002 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:264 Resp: 908

Ion	Ratio	Lower	Upper
264	100		
260	35.9	31.0	46.6
265	128.5	105.3	157.9

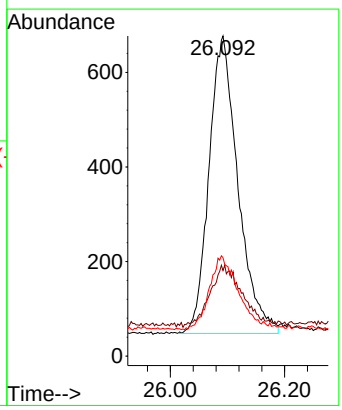


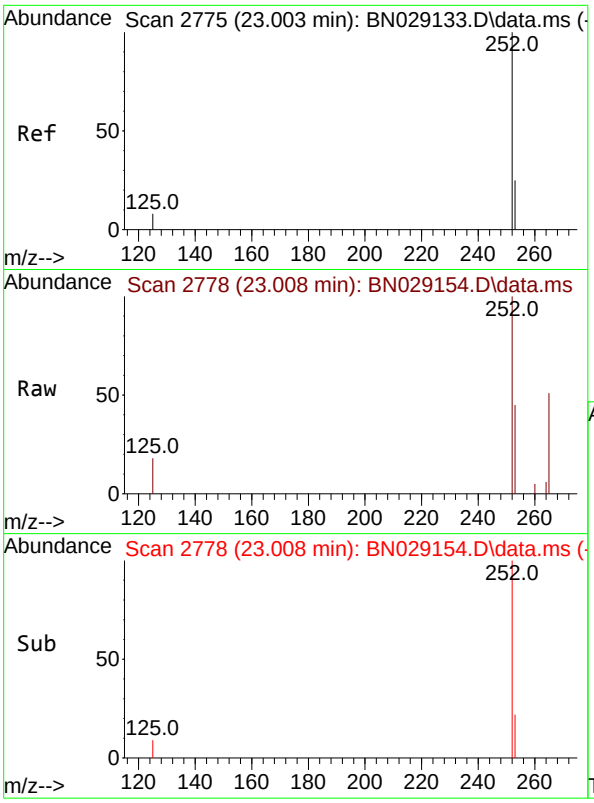


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.379 ng
RT: 26.092 min Scan# 3833
Delta R.T. 0.007 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:276 Resp: 2216

Ion	Ratio	Lower	Upper
276	100		
138	23.1	7.8	11.6#
277	24.3	9.2	13.8#



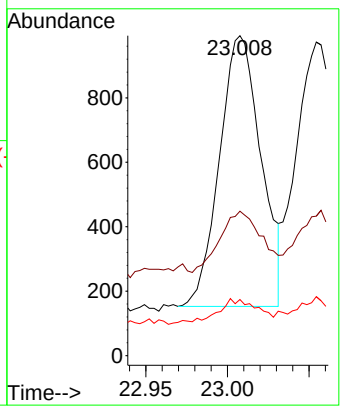


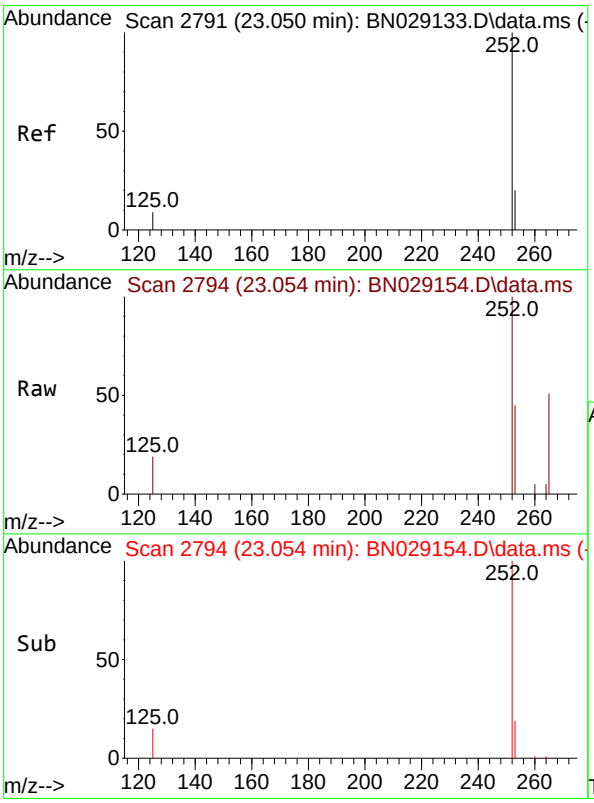
#37
Benzo(b)fluoranthene
Concen: 0.322 ng
RT: 23.008 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:252 Resp: 1486

Ion	Ratio	Lower	Upper
252	100		
253	45.1	36.0	54.0
125	17.5	14.6	21.8

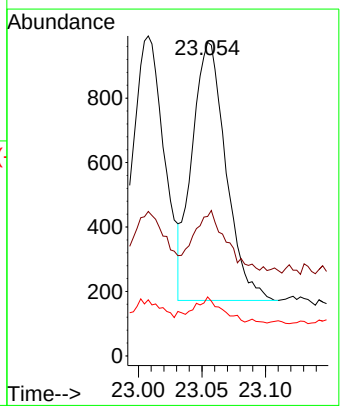


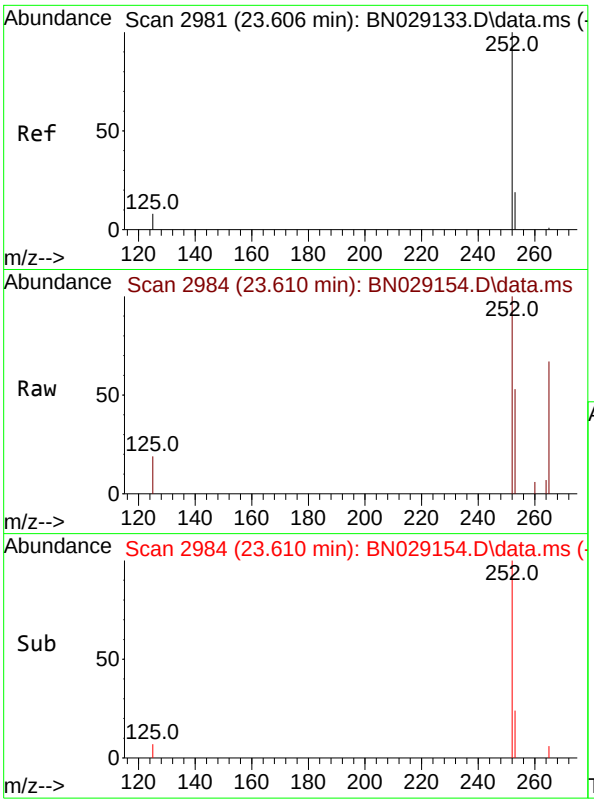


#38
Benzo(k)fluoranthene
Concen: 0.329 ng
RT: 23.054 min Scan# 2794
Delta R.T. 0.004 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:252 Resp: 1488

Ion	Ratio	Lower	Upper
252	100		
253	44.5	35.0	52.6
125	18.8	14.6	21.8



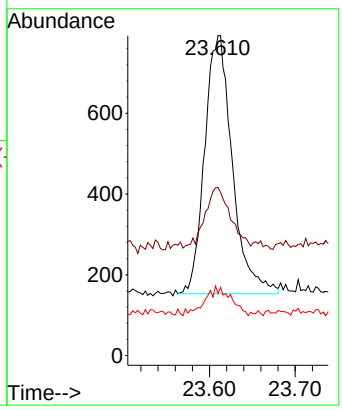


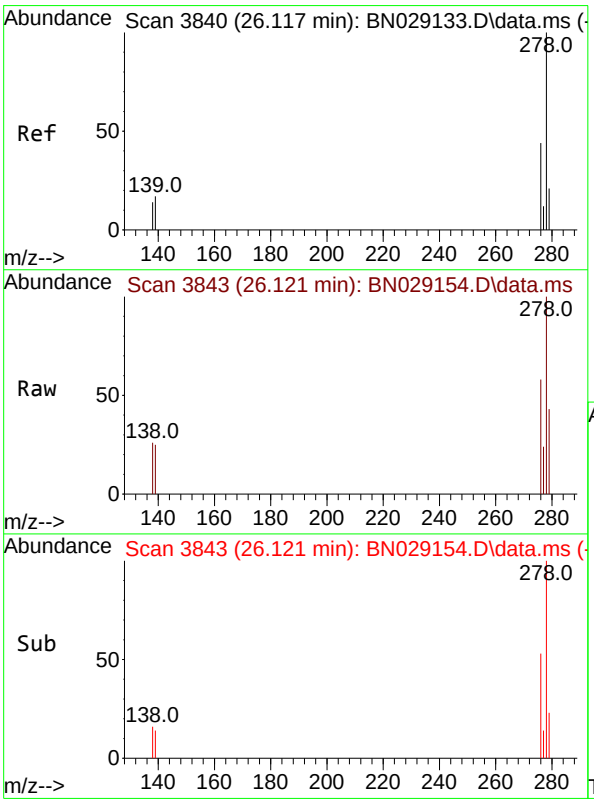
#39
Benzo(a)pyrene
Concen: 0.348 ng
RT: 23.610 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:252 Resp: 1436

Ion	Ratio	Lower	Upper
252	100		
253	52.5	40.3	60.5
125	19.4	16.7	25.1

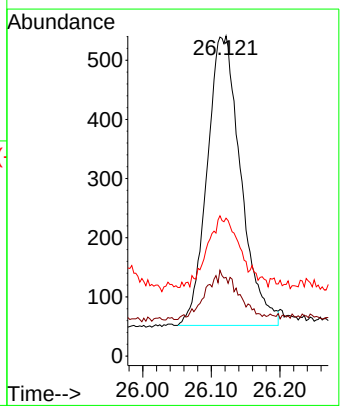


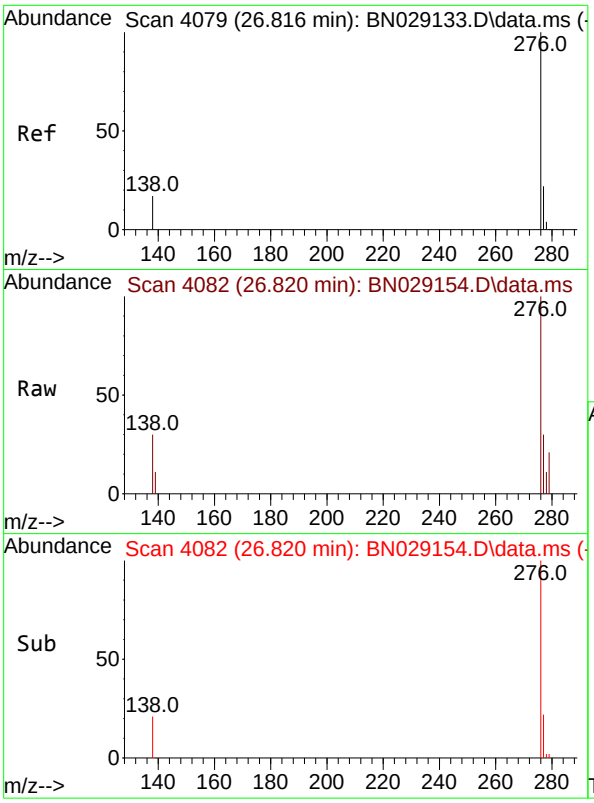


#40
Dibenzo(a,h)anthracene
Concen: 0.370 ng
RT: 26.121 min Scan# 3843
Delta R.T. 0.004 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Tgt Ion:278 Resp: 1664

Ion	Ratio	Lower	Upper
278	100		
139	24.6	24.2	36.2
279	43.1	34.9	52.3





#41
Benzo(g,h,i)perylene
Concen: 0.368 ng
RT: 26.820 min Scan# 4
Delta R.T. 0.004 min
Lab File: BN029154.D
Acq: 21 Dec 2023 17:21

Instrument :
BNA_N
ClientSampleId :
PB157944BS

Tgt Ion:276 Resp: 1821

Ion	Ratio	Lower	Upper
276	100		
277	30.4	25.5	38.3
138	30.4	22.9	34.3