Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090924\
Data File : BN033814.D
Acq On : 09 Sep 2024 12:24
Operator : MA/JU
Sample : PB163188BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Quant Time: Sep 10 03:15:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 18:36:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.509	152	7335	0.400	ng		0.00
7) Naphthalene-d8	10.272	136	18696	0.400	ng		# 0.00
13) Acenaphthene-d10	14.146	164	8536	0.400	ng		-0.01
19) Phenanthrene-d10	16.892	188	16359	0.400	ng		#-0.01
29) Chrysene-d12	21.112	240	12515	0.400	ng		# 0.00
35) Perylene-d12	23.268	264	12943	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.162	112	5873	0.262	ng		0.00
5) Phenol-d6	6.707	99	6798	0.256	ng		0.00
8) Nitrobenzene-d5	8.638	82	5201	0.327	ng		-0.01
11) 2-Methylnaphthalene-d10	11.865	152	10719	0.406	ng		0.00
14) 2,4,6-Tribromophenol	15.651	330	1068	0.248	ng		0.00
15) 2-Fluorobiphenyl	12.767	172	11820	0.332	ng		0.00
27) Fluoranthene-d10	18.942	212	12644	0.313	ng		0.00
31) Terphenyl-d14	19.556	244	8725	0.327	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.168	88	2290	0.274	ng	#	36
3) n-Nitrosodimethylamine	3.464	42	3488	0.356	ng		86
6) bis(2-Chloroethyl)ether	6.953	93	6707	0.334	ng		98
9) Naphthalene	10.314	128	16437	0.329	ng		100
10) Hexachlorobutadiene	10.613	225	3474	0.334	ng	#	100
12) 2-Methylnaphthalene	11.937	142	10185	0.333	ng		97
16) Acenaphthylene	13.857	152	12791	0.347	ng		100
17) Acenaphthene	14.210	154	8689	0.343	ng		99
18) Fluorene	15.204	166	10286	0.330	ng		99
20) 4,6-Dinitro-2-methylph...	15.290	198	724	0.280	ng	#	62
21) 4-Bromophenyl-phenylether	16.098	248	3106	0.328	ng	#	76
22) Hexachlorobenzene	16.209	284	3580	0.329	ng		96
23) Atrazine	16.383	200	2370	0.313	ng	#	91
24) Pentachlorophenol	16.557	266	2608	0.587	ng		99
25) Phenanthrene	16.942	178	15444	0.343	ng		100
26) Anthracene	17.029	178	13707	0.350	ng		100
28) Fluoranthene	18.970	202	16243	0.321	ng		98
30) Pyrene	19.337	202	16511	0.327	ng		99
32) Benzo(a)anthracene	21.094	228	14767	0.331	ng		98
33) Chrysene	21.148	228	15593	0.353	ng		99
34) Bis(2-ethylhexyl)phtha...	21.059	149	7320	0.300	ng		100
36) Indeno(1,2,3-cd)pyrene	25.393	276	18404	0.344	ng		97
37) Benzo(b)fluoranthene	22.627	252	15850	0.333	ng	#	95
38) Benzo(k)fluoranthene	22.668	252	16544	0.357	ng	#	94
39) Benzo(a)pyrene	23.171	252	14045	0.353	ng	#	92
40) Dibenzo(a,h)anthracene	25.411	278	14375	0.335	ng		96
41) Benzo(g,h,i)perylene	26.039	276	15031	0.323	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090924\
Data File : BN033814.D
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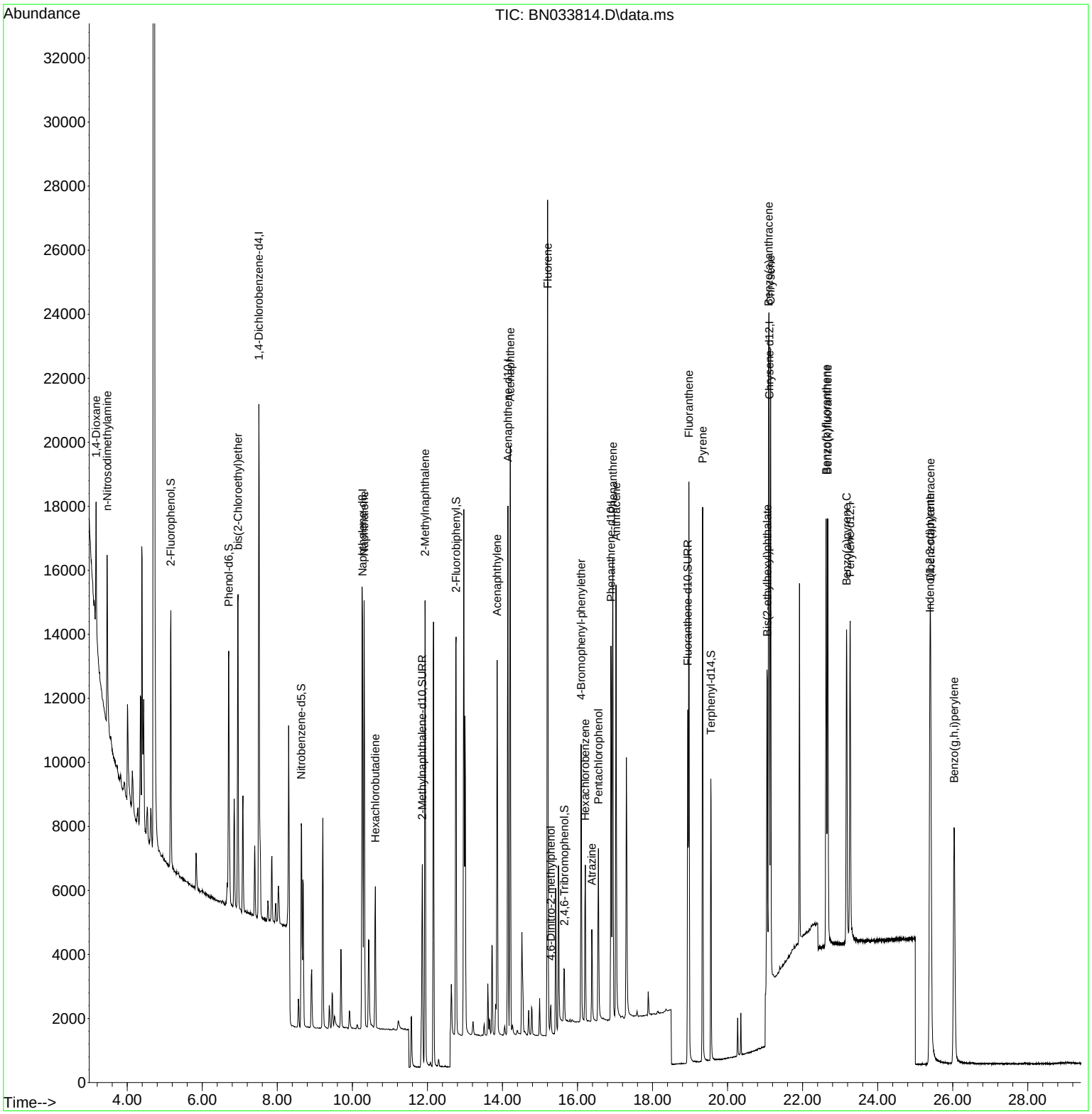
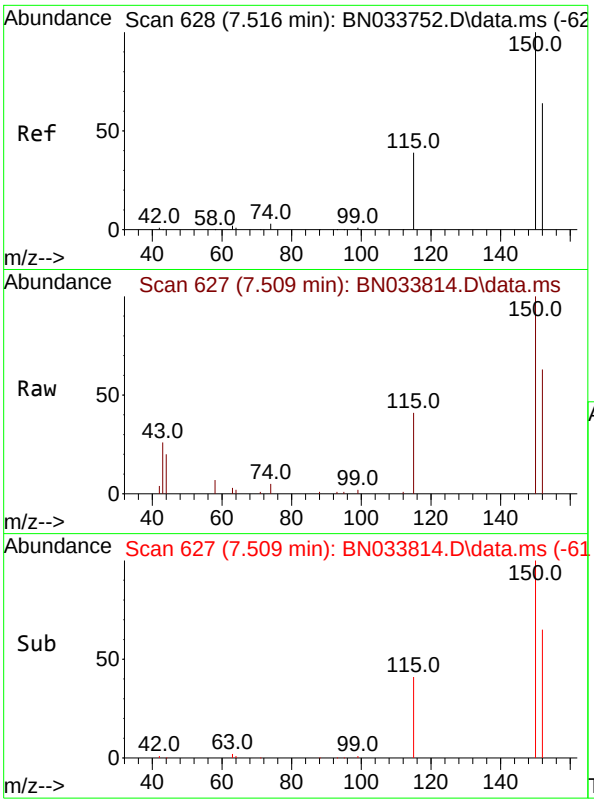
Operator : MA/JU
Sample : PB163188BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Quant Time: Sep 10 03:15:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 18:36:01 2024
Response via : Initial Calibration



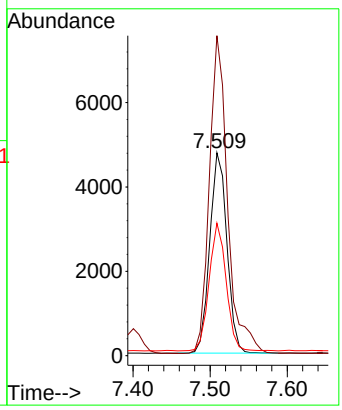


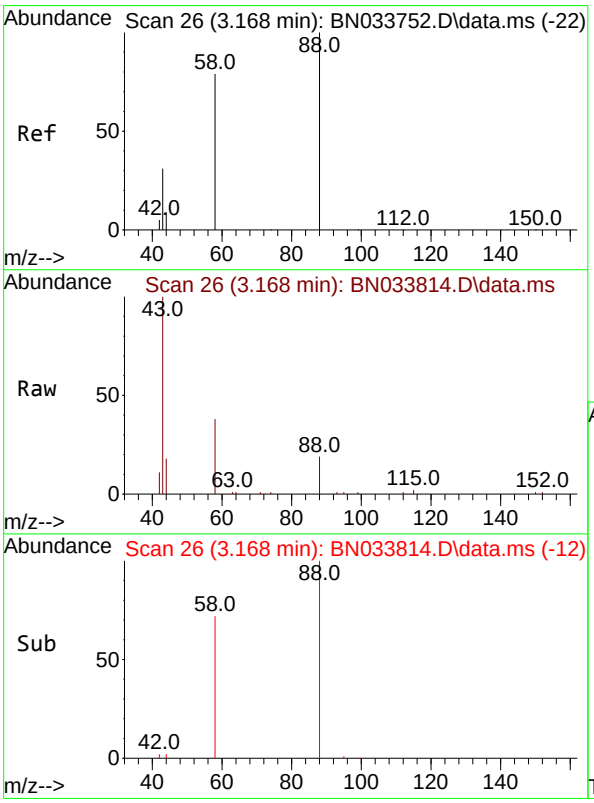
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.509 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:152 Resp: 7335

Ion	Ratio	Lower	Upper
152	100		
150	157.7	123.3	184.9
115	65.3	51.0	76.4

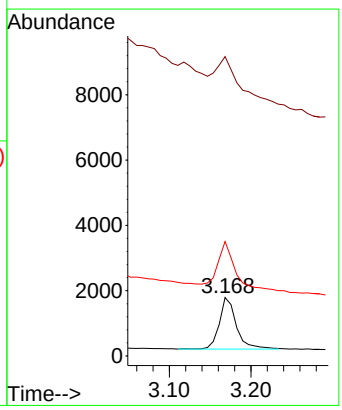


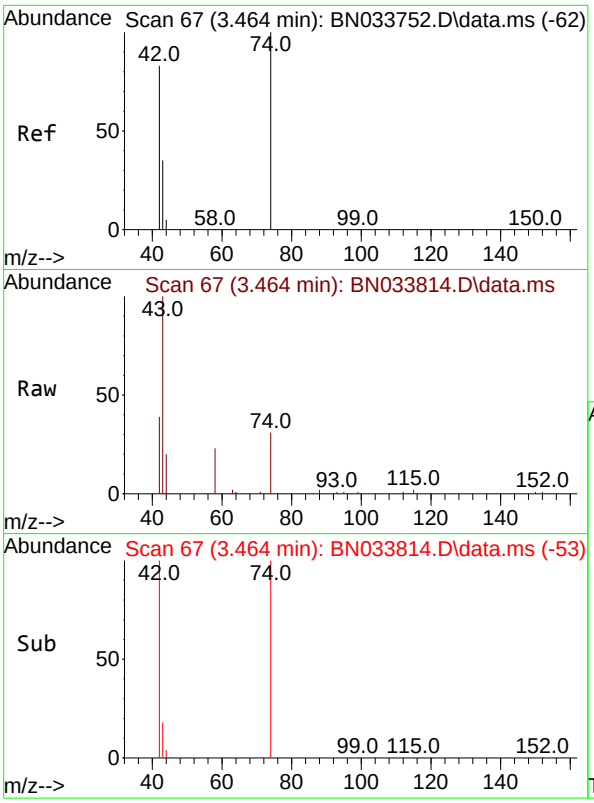


#2
1,4-Dioxane
Concen: 0.274 ng
RT: 3.168 min Scan# 26
Delta R.T. 0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion: 88 Resp: 2290

Ion	Ratio	Lower	Upper
88	100		
43	129.0	29.0	43.4#
58	99.3	64.1	96.1#



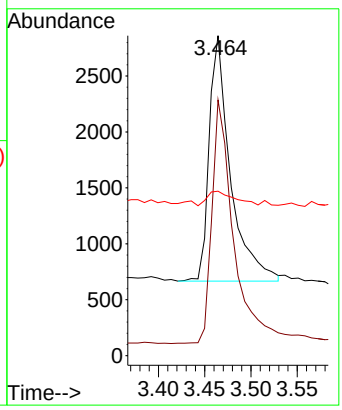


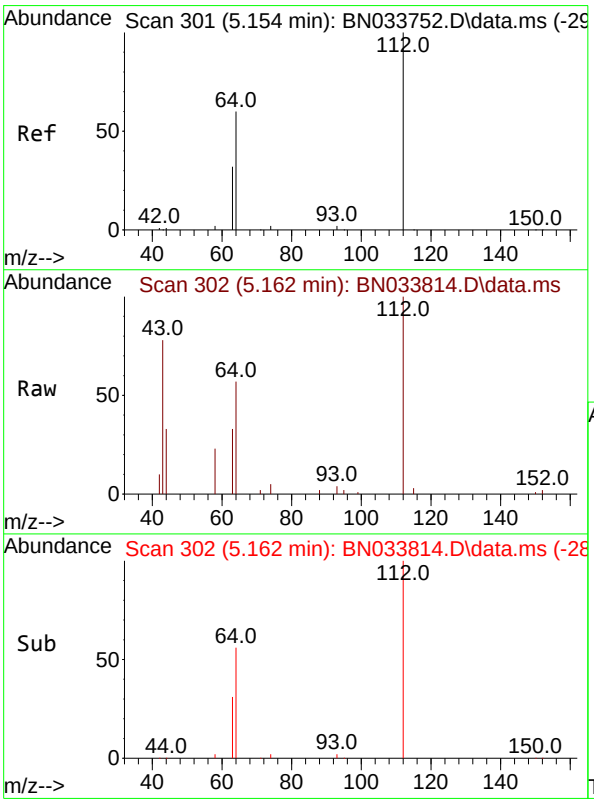
#3
n-Nitrosodimethylamine
Concen: 0.356 ng
RT: 3.464 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion: 42 Resp: 3488

Ion	Ratio	Lower	Upper
42	100		
74	100.9	93.5	140.3
44	7.7	7.4	11.0

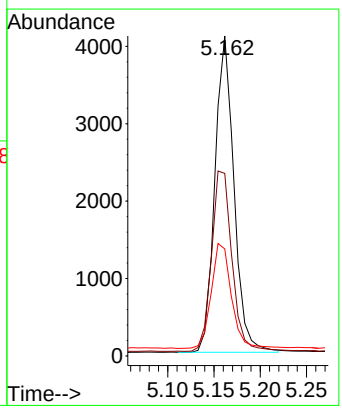


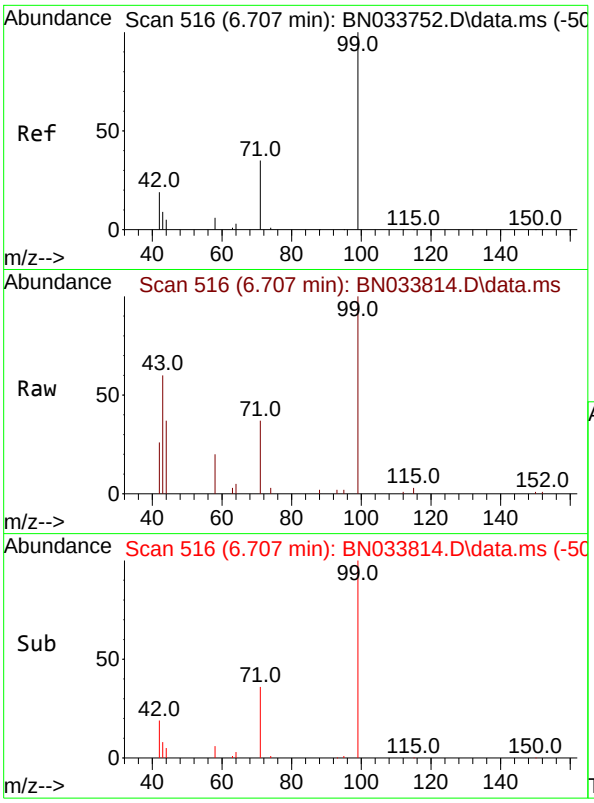


#4
2-Fluorophenol
Concen: 0.262 ng
RT: 5.162 min Scan# 302
Delta R.T. 0.007 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:112 Resp: 5873

Ion	Ratio	Lower	Upper
112	100		
64	61.1	47.6	71.4
63	35.0	25.9	38.9



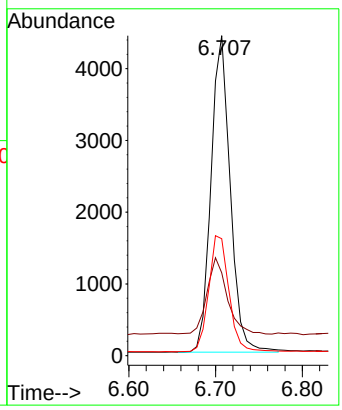


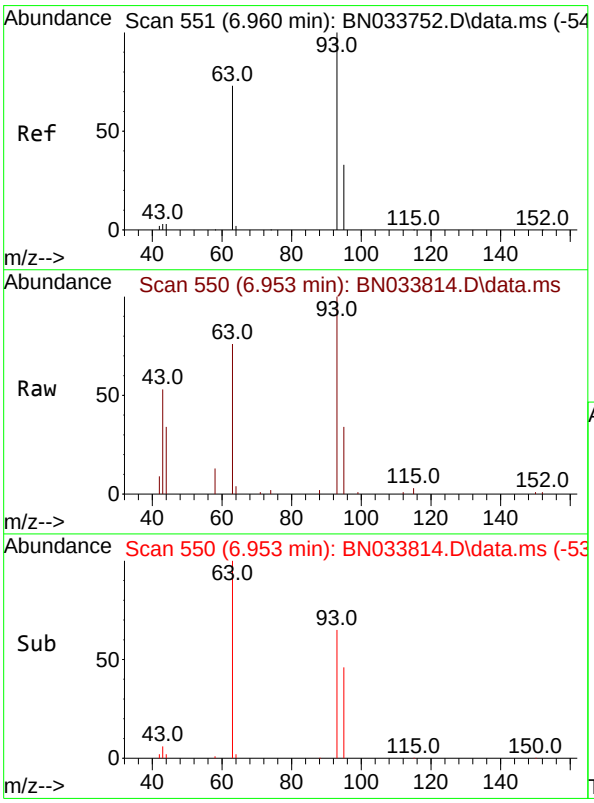
#5
Phenol-d6
Concen: 0.256 ng
RT: 6.707 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion: 99 Resp: 6798

Ion	Ratio	Lower	Upper
99	100		
42	25.2	18.0	27.0
71	38.8	28.7	43.1

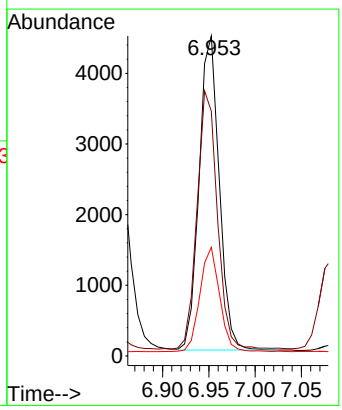


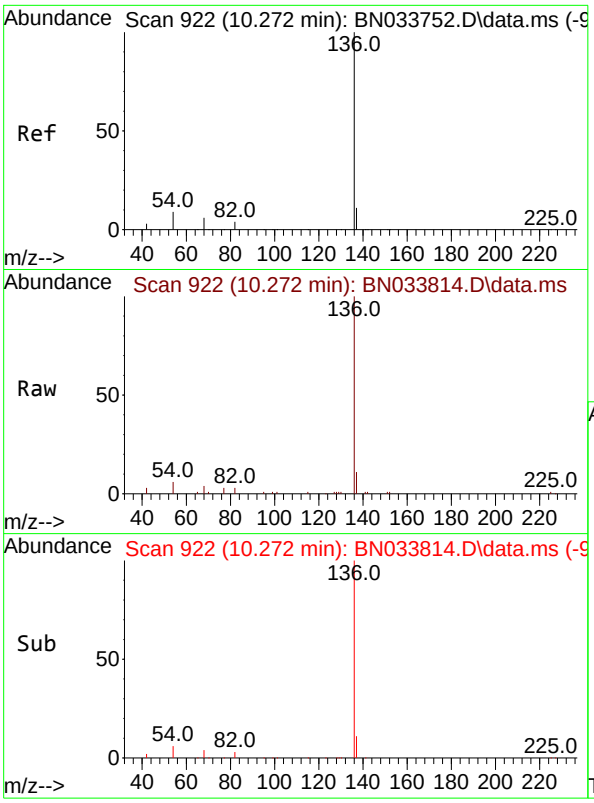


#6
bis(2-Chloroethyl)ether
Concen: 0.334 ng
RT: 6.953 min Scan# 550
Delta R.T. -0.007 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion: 93 Resp: 6707

Ion	Ratio	Lower	Upper
93	100		
63	82.9	64.4	96.6
95	32.7	26.5	39.7



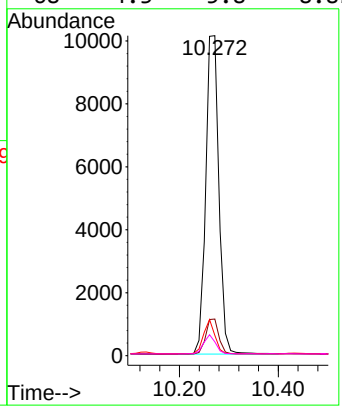


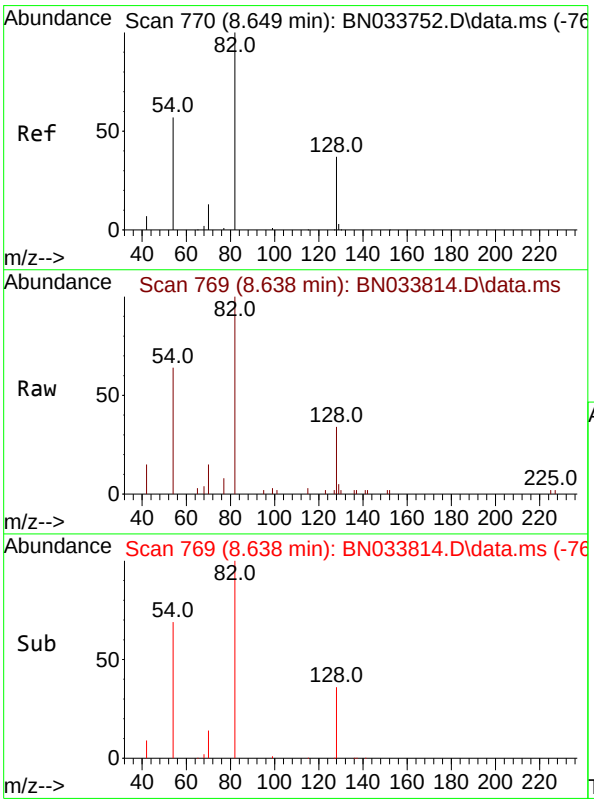
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.272 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:136 Resp: 18696

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	6.3	8.1	12.1#
68	4.3	5.8	8.8#

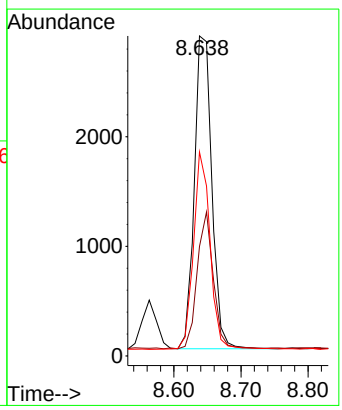


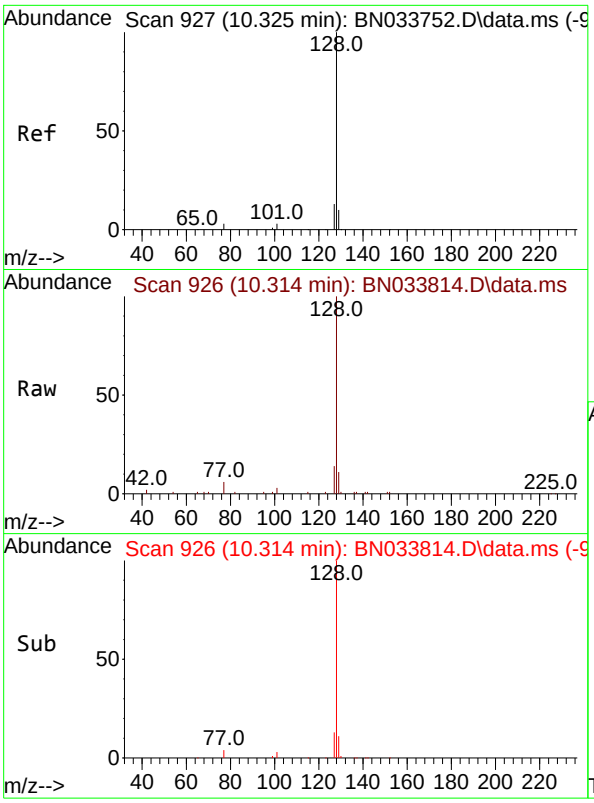


#8
Nitrobenzene-d5
Concen: 0.327 ng
RT: 8.638 min Scan# 769
Delta R.T. -0.011 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion: 82 Resp: 5201

Ion	Ratio	Lower	Upper
82	100		
128	34.2	31.3	46.9
54	63.7	46.9	70.3



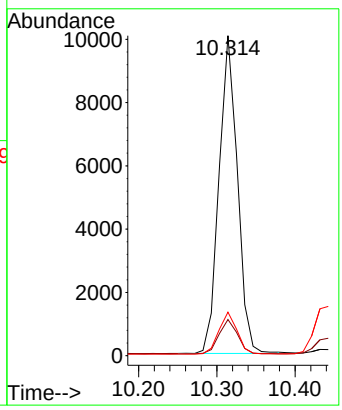


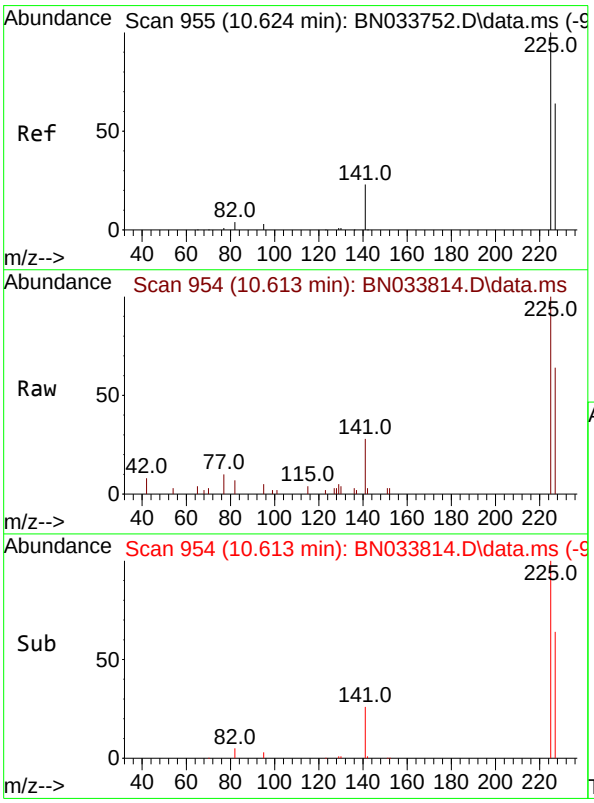
#9
Naphthalene
Concen: 0.329 ng
RT: 10.314 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:128 Resp: 16437

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.6	10.8	16.2

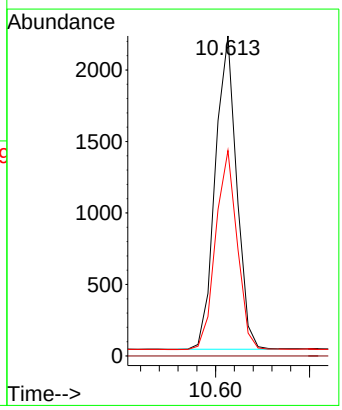


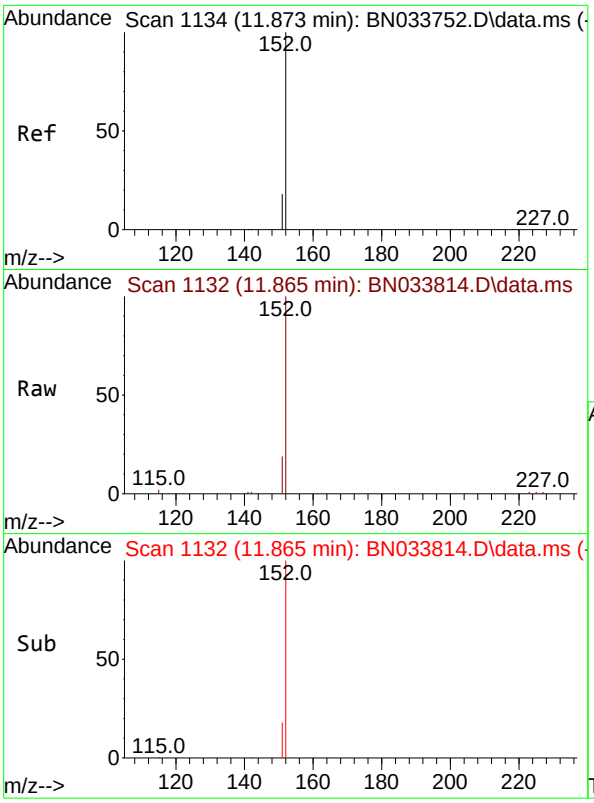


#10
Hexachlorobutadiene
Concen: 0.334 ng
RT: 10.613 min Scan# 954
Delta R.T. -0.011 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:225 Resp: 3474

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.2	76.8



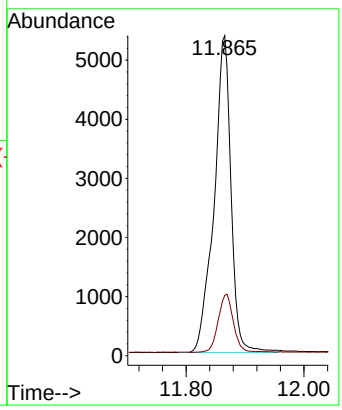


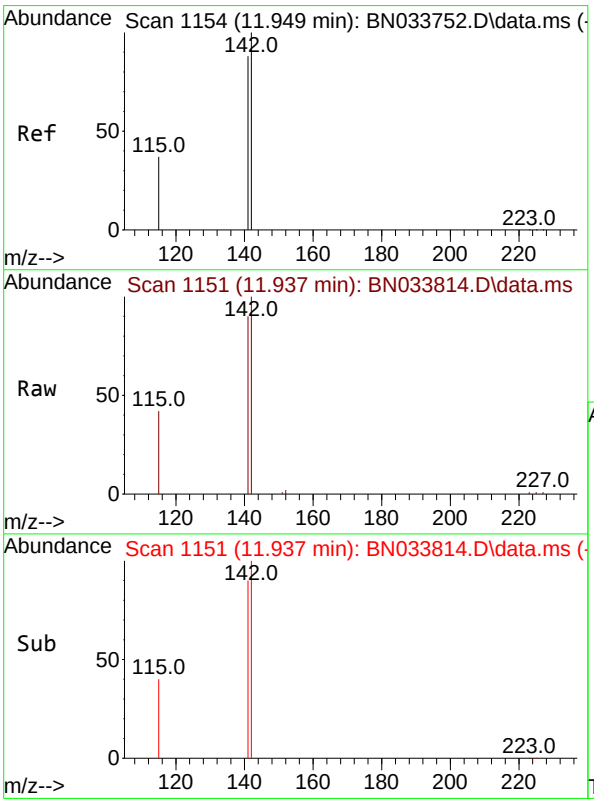
#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 11.865 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:152 Resp: 10719

Ion	Ratio	Lower	Upper
152	100		
151	16.4	16.7	25.1#

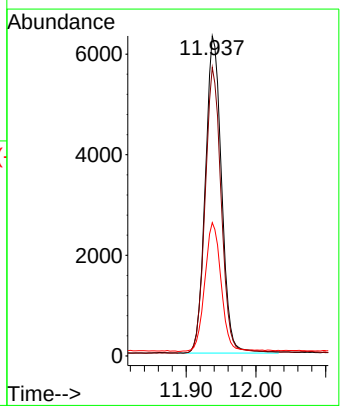


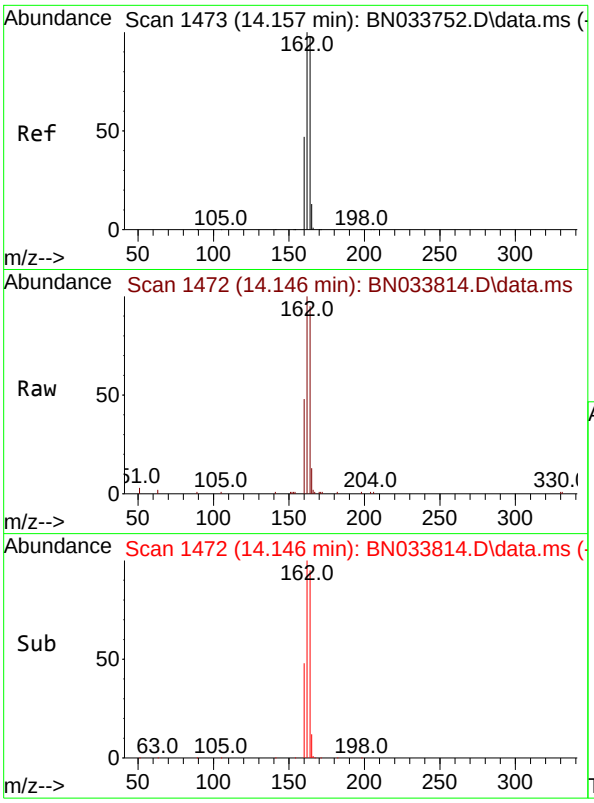


#12
2-Methylnaphthalene
Concen: 0.333 ng
RT: 11.937 min Scan# 1151
Delta R.T. -0.011 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:142 Resp: 10185

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.9	106.3
115	41.6	31.0	46.4



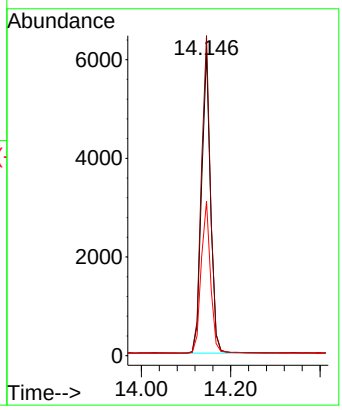


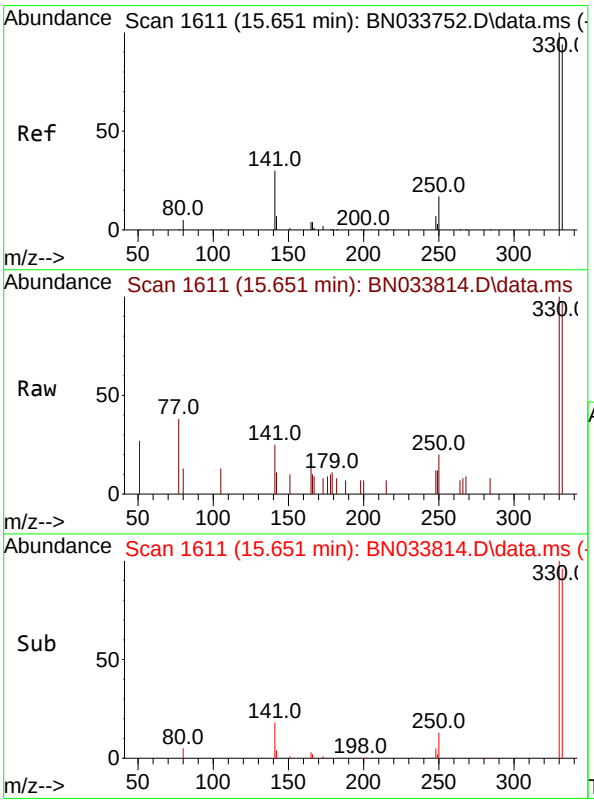
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.146 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:164 Resp: 8536

Ion	Ratio	Lower	Upper
164	100		
162	105.2	82.0	123.0
160	50.8	39.1	58.7

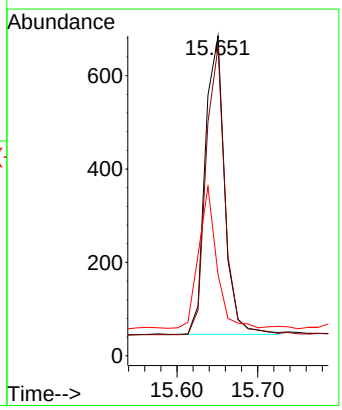


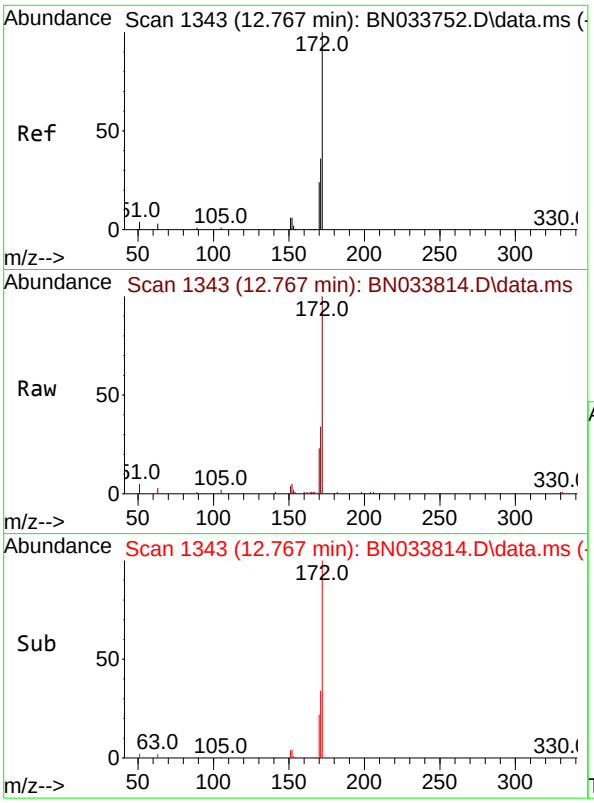


#14
2,4,6-Tribromophenol
Concen: 0.248 ng
RT: 15.651 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:330 Resp: 1068

Ion	Ratio	Lower	Upper
330	100		
332	94.9	74.2	111.4
141	44.2	33.9	50.9



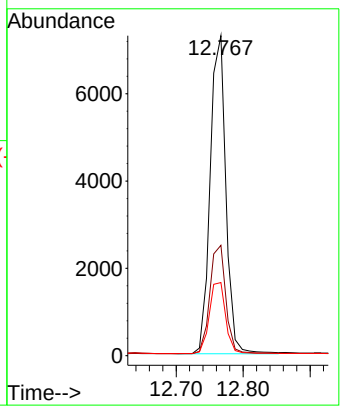


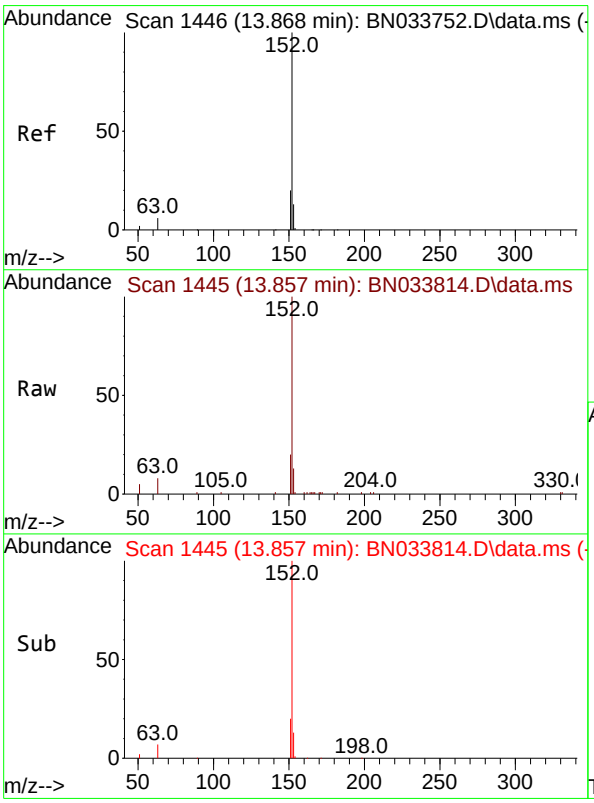
#15
2-Fluorobiphenyl
Concen: 0.332 ng
RT: 12.767 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:172 Resp: 11820

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.8	43.2
170	22.9	19.7	29.5

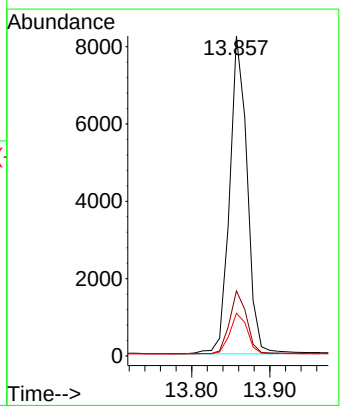


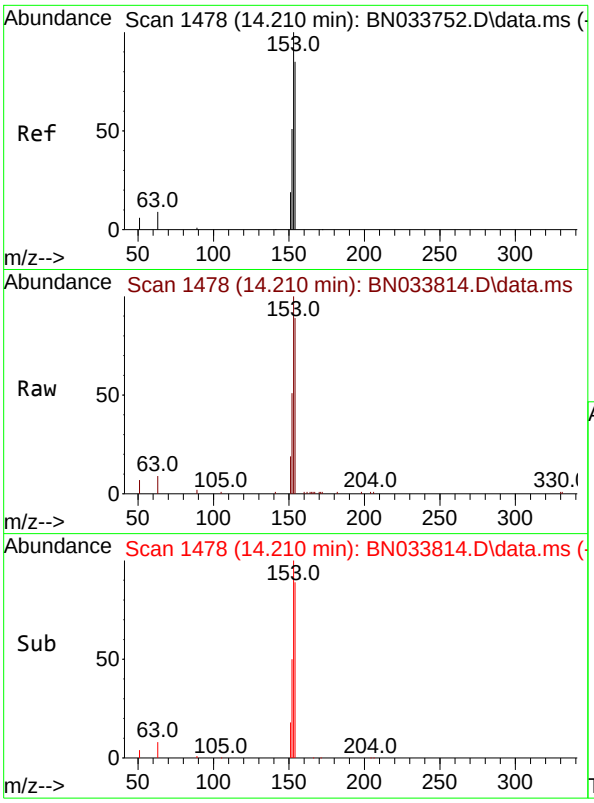


#16
Acenaphthylene
Concen: 0.347 ng
RT: 13.857 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:152 Resp: 12791

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.6	23.4
153	12.9	10.3	15.5



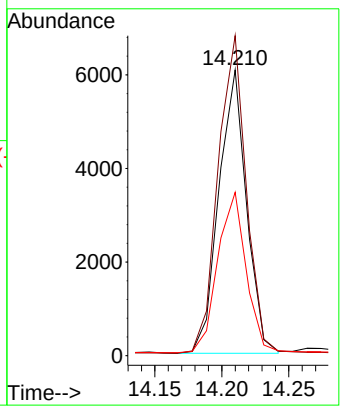


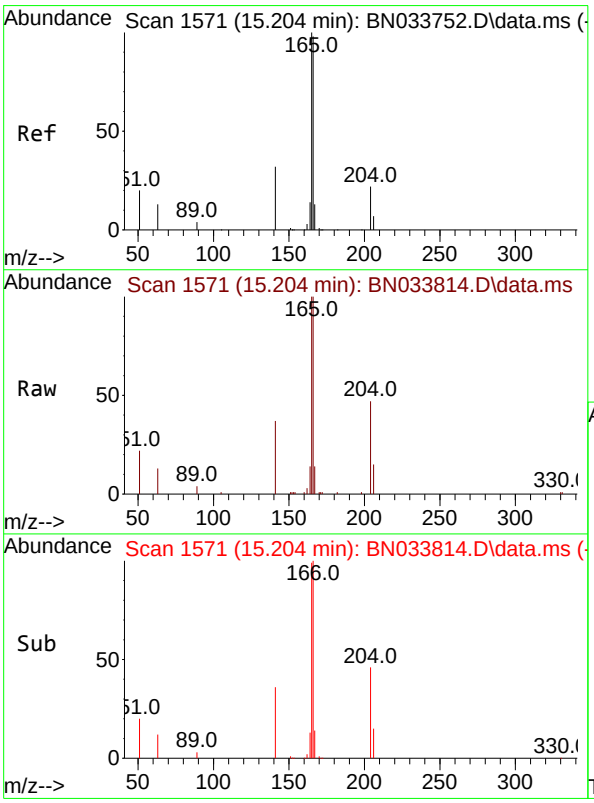
#17
Acenaphthene
Concen: 0.343 ng
RT: 14.210 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:154 Resp: 8689

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.4	137.2
152	58.2	45.8	68.6

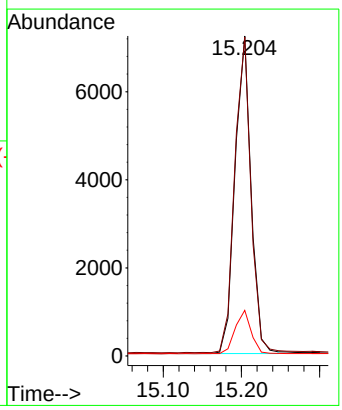


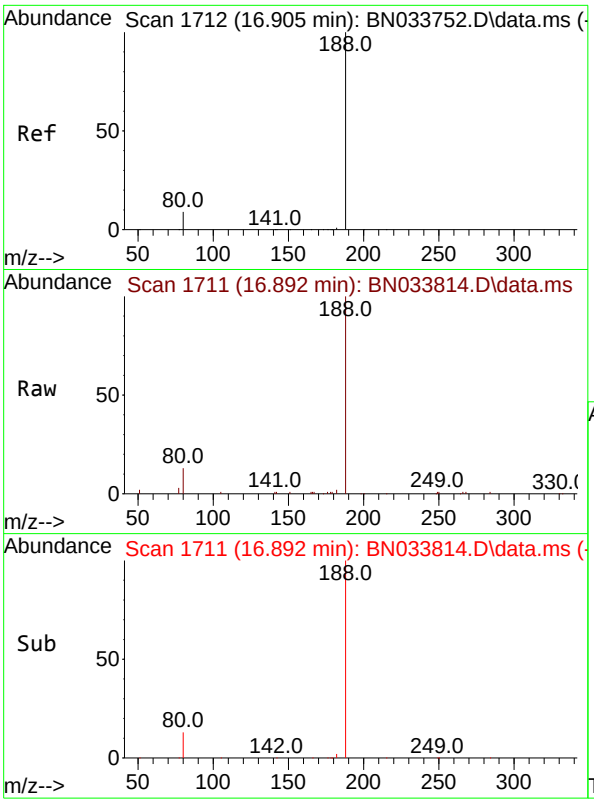


#18
Fluorene
Concen: 0.330 ng
RT: 15.204 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:166 Resp: 10286

Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.8	118.2
167	13.6	10.6	16.0



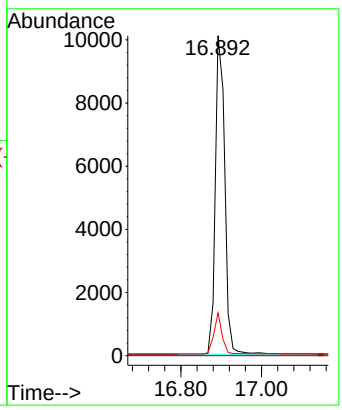


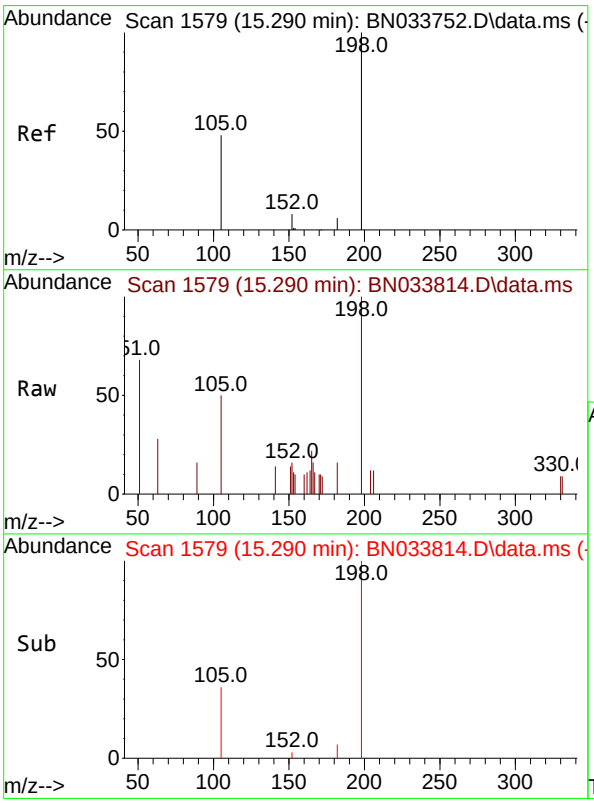
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.892 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:188 Resp: 16359

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.4	7.9	11.9#

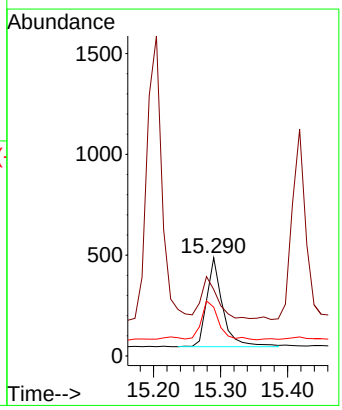


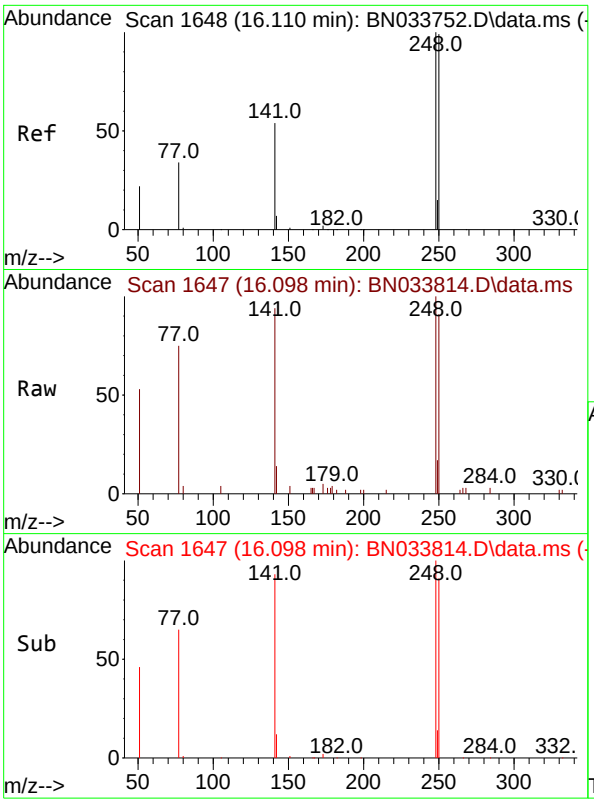


#20
4,6-Dinitro-2-methylphenol
Concen: 0.280 ng
RT: 15.290 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:198 Resp: 724

Ion	Ratio	Lower	Upper
198	100		
51	67.6	92.8	139.2#
105	49.7	59.4	89.0#



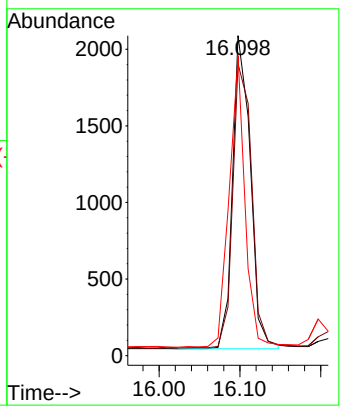


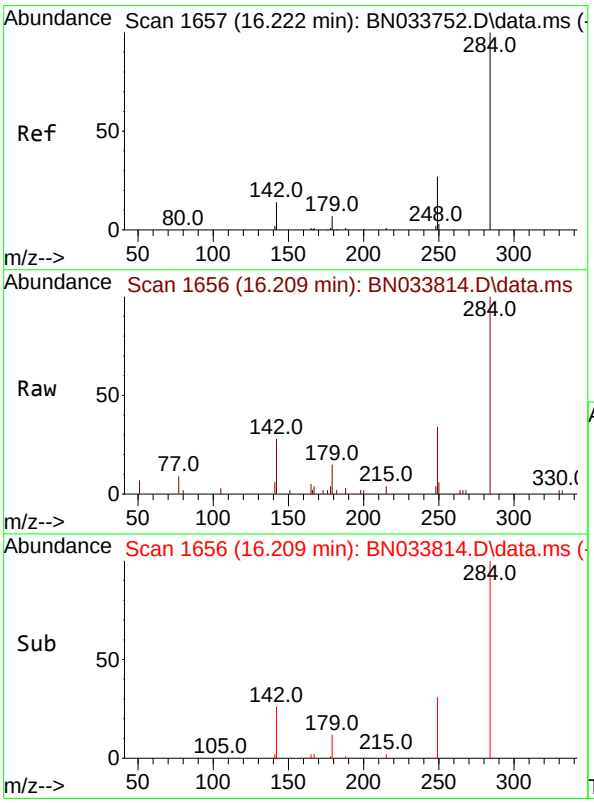
#21
4-Bromophenyl-phenylether
Concen: 0.328 ng
RT: 16.098 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:248 Resp: 3106

Ion	Ratio	Lower	Upper
248	100		
250	91.2	79.5	119.3
141	93.8	44.9	67.3#

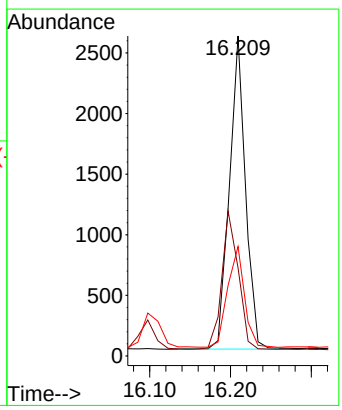


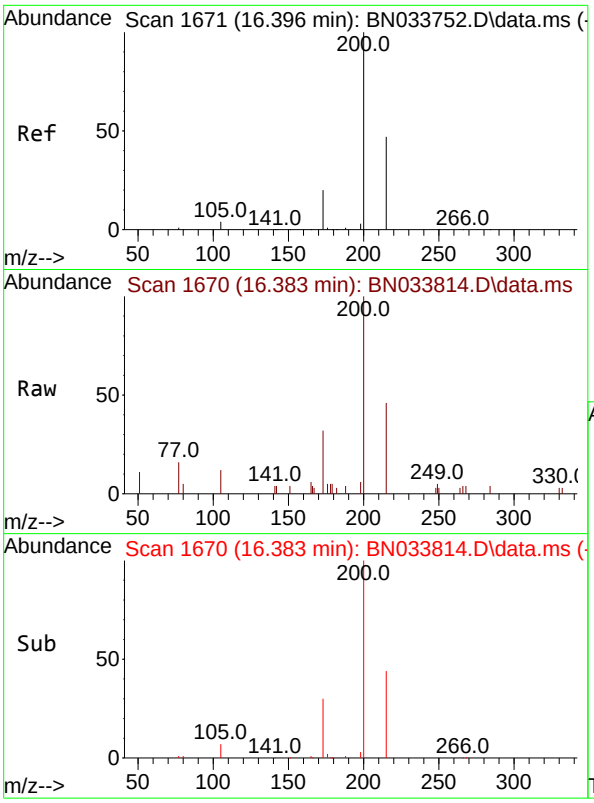


#22
Hexachlorobenzene
Concen: 0.329 ng
RT: 16.209 min Scan# 1656
Delta R.T. -0.013 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:284 Resp: 3580

Ion	Ratio	Lower	Upper
284	100		
142	44.9	32.8	49.2
249	33.7	26.2	39.2



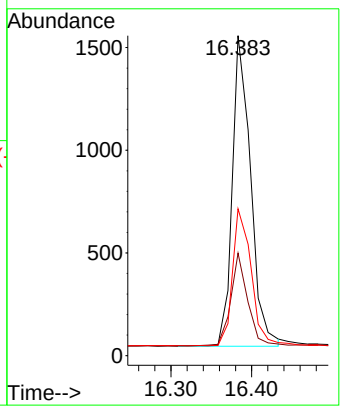


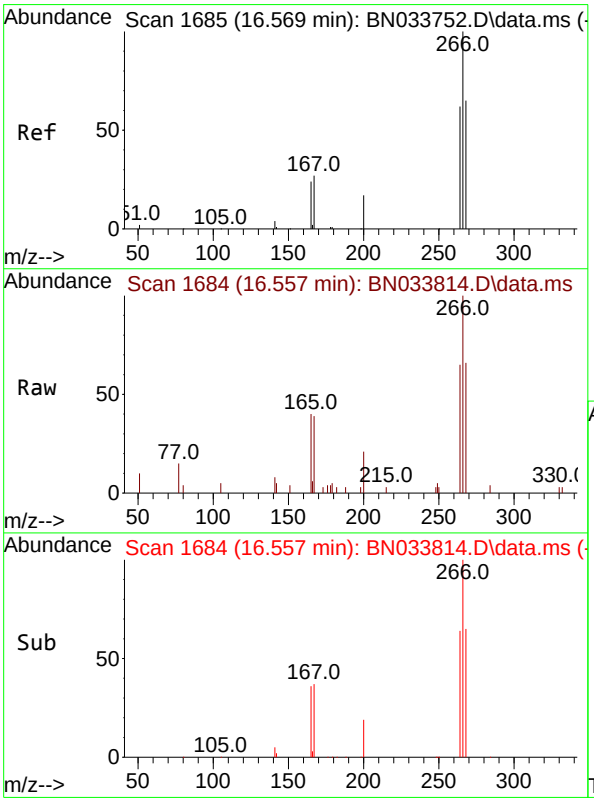
#23
Atrazine
Concen: 0.313 ng
RT: 16.383 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:200 Resp: 2370

Ion	Ratio	Lower	Upper
200	100		
173	32.0	18.2	27.4#
215	45.9	39.0	58.4

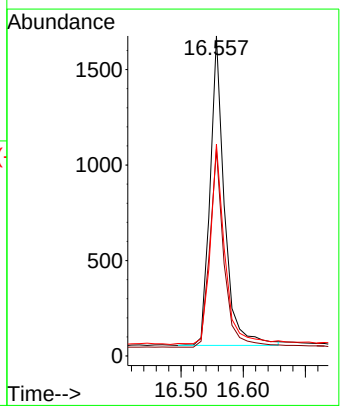


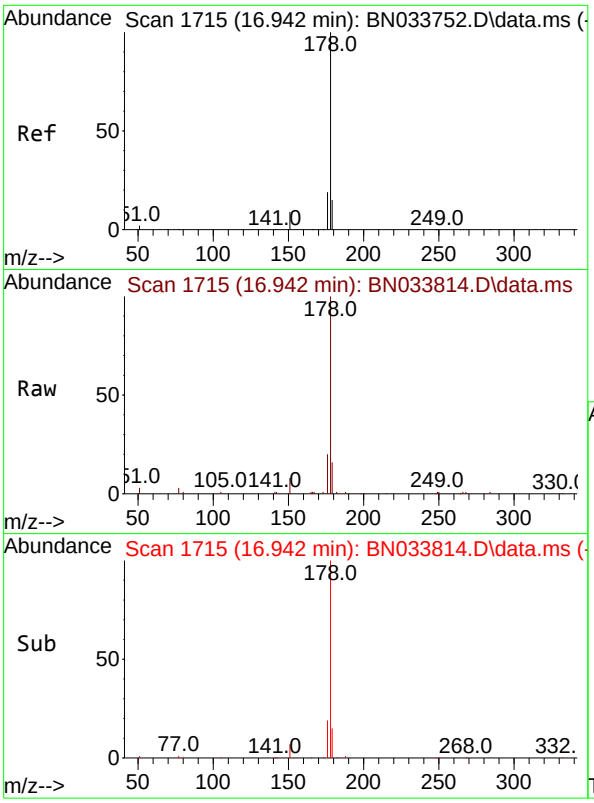


#24
Pentachlorophenol
Concen: 0.587 ng
RT: 16.557 min Scan# 1684
Delta R.T. -0.013 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:266 Resp: 2608

Ion	Ratio	Lower	Upper
266	100		
264	63.7	49.6	74.4
268	65.1	52.2	78.4



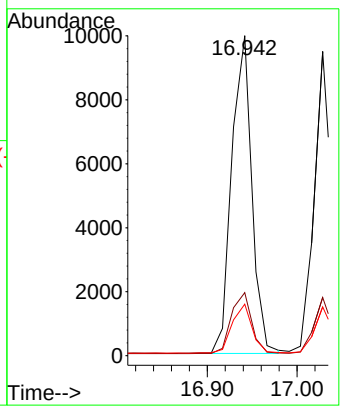


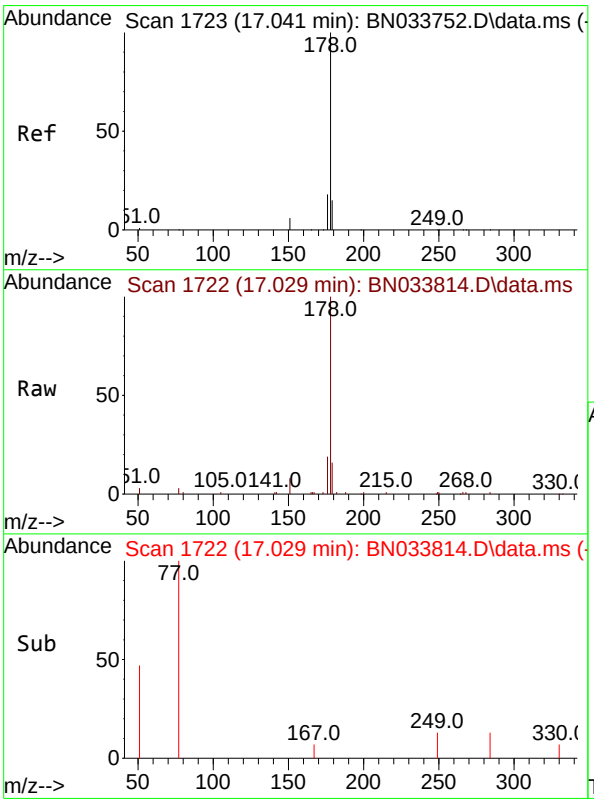
#25
Phenanthrene
Concen: 0.343 ng
RT: 16.942 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:178 Resp: 15444

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.4	12.2	18.4

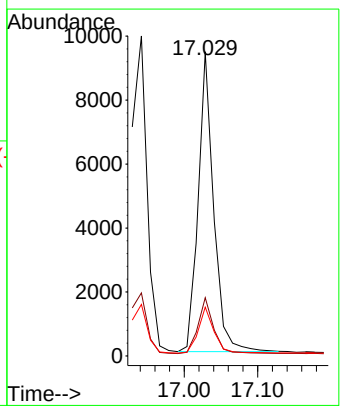


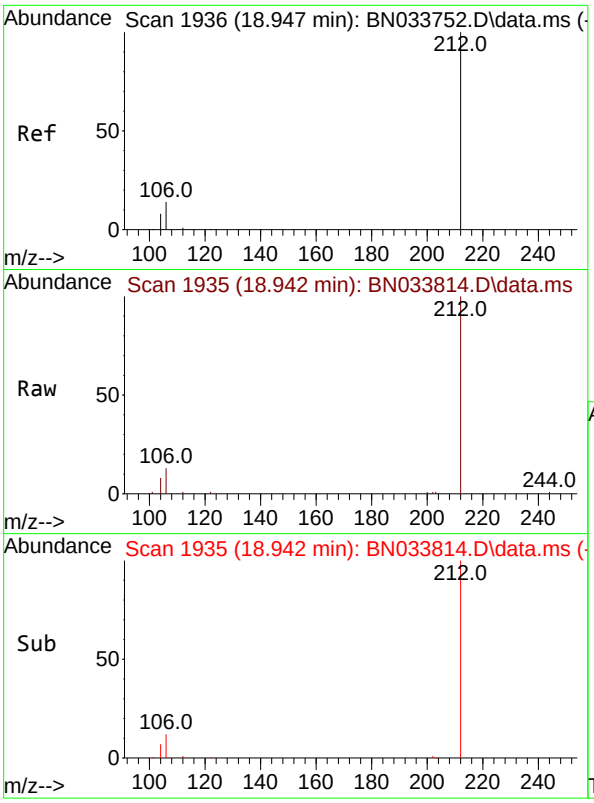


#26
Anthracene
Concen: 0.350 ng
RT: 17.029 min Scan# 1722
Delta R.T. -0.013 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:178 Resp: 13707

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.5	12.4	18.6



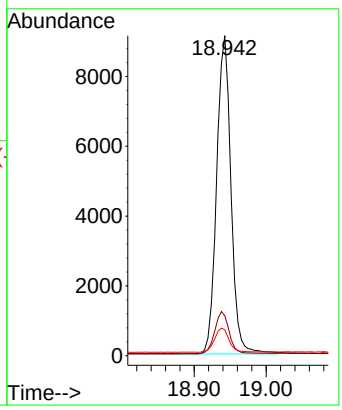


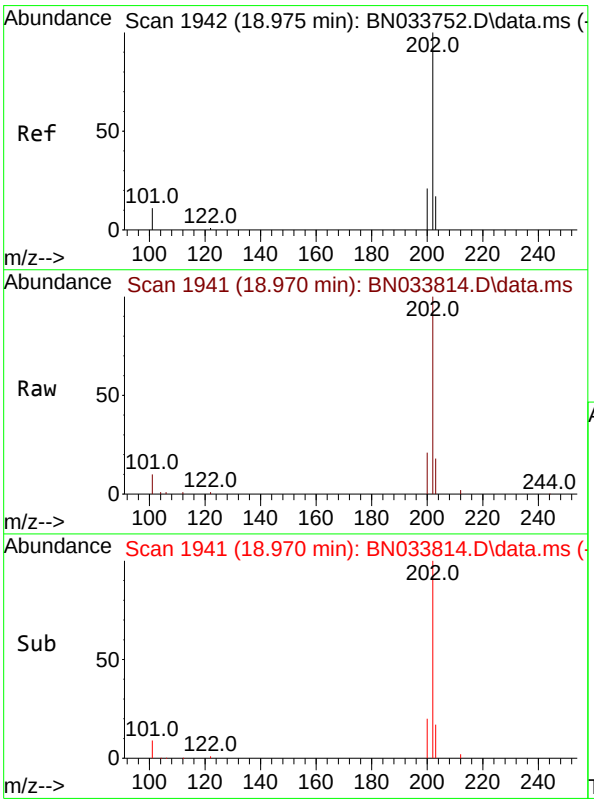
#27
Fluoranthene-d10
Concen: 0.313 ng
RT: 18.942 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:212 Resp: 12644

Ion	Ratio	Lower	Upper
212	100		
106	13.2	11.5	17.3
104	7.8	6.6	9.8

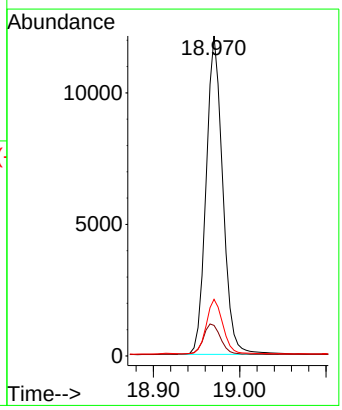


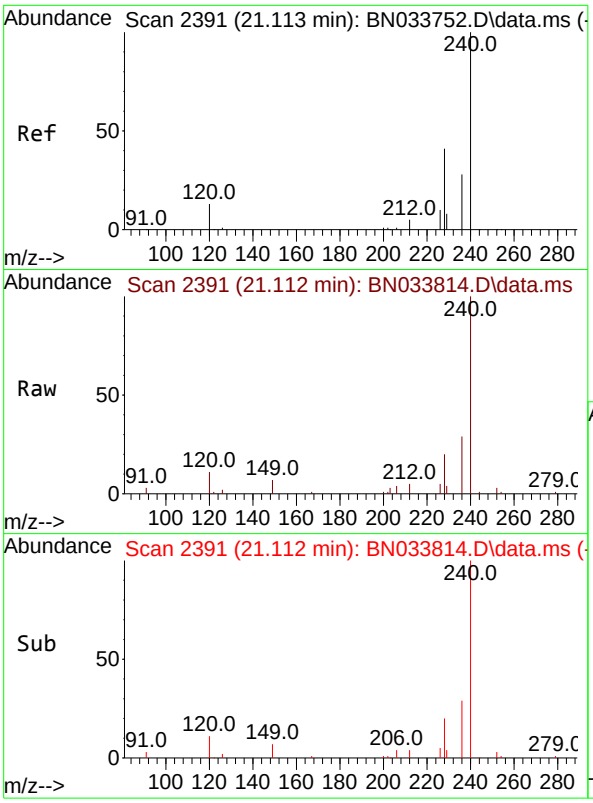


#28
Fluoranthene
Concen: 0.321 ng
RT: 18.970 min Scan# 1941
Delta R.T. -0.005 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:202 Resp: 16243

Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.2	13.8
203	17.0	13.8	20.6



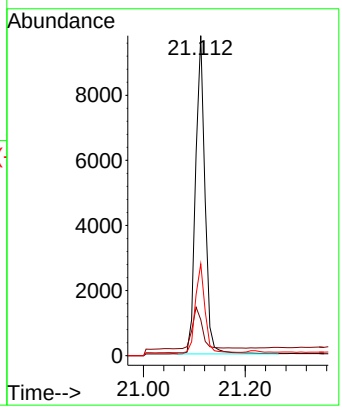


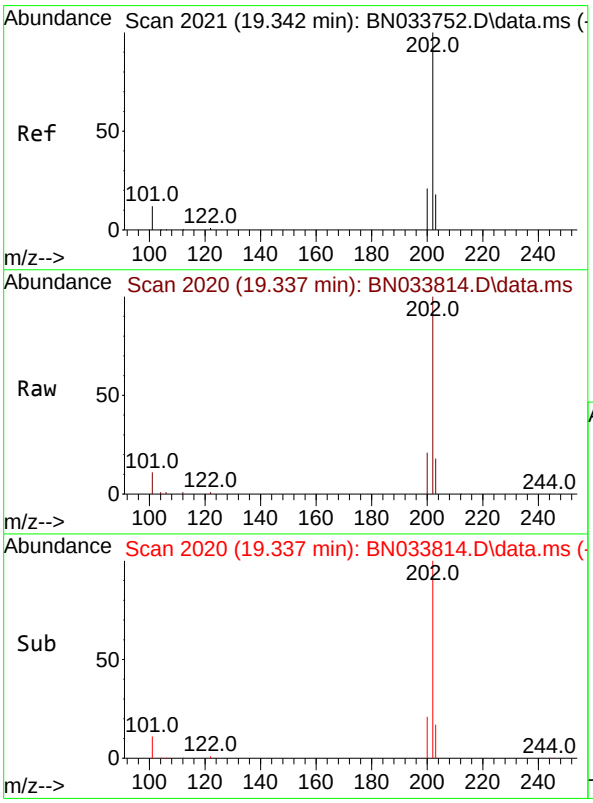
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.112 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:240 Resp: 12515

Ion	Ratio	Lower	Upper
240	100		
120	11.3	13.7	20.5#
236	28.7	23.4	35.2

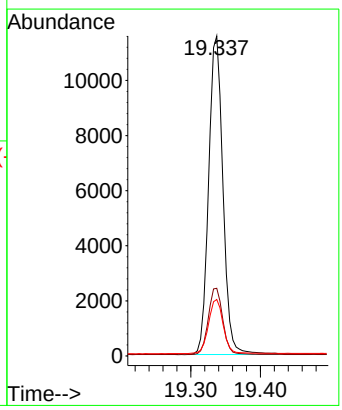


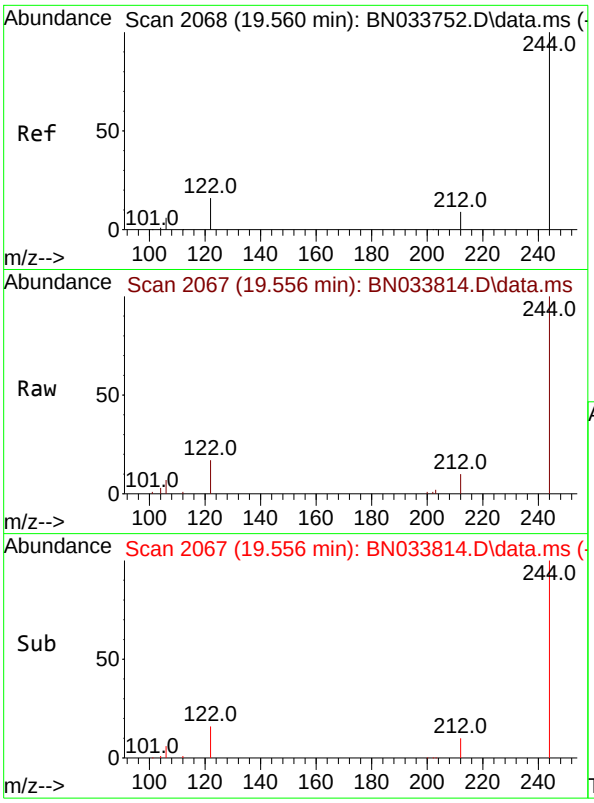


#30
Pyrene
Concen: 0.327 ng
RT: 19.337 min Scan# 2020
Delta R.T. -0.005 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:202 Resp: 16511

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.6	14.4	21.6



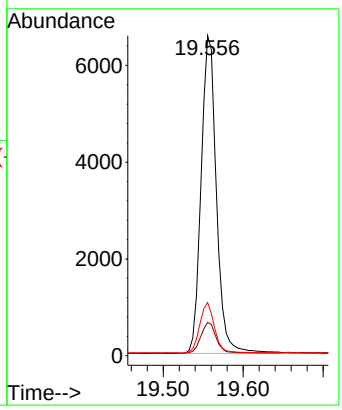


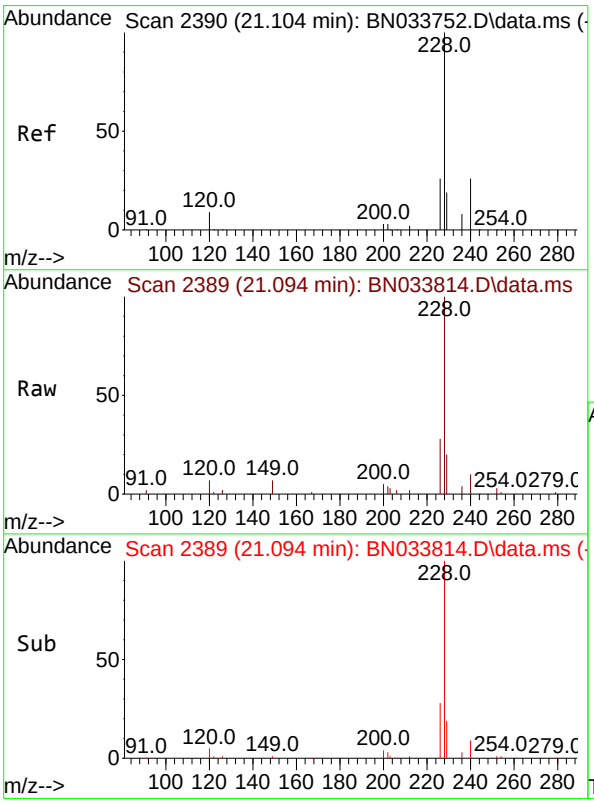
#31
Terphenyl-d14
Concen: 0.327 ng
RT: 19.556 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:244 Resp: 8725

Ion	Ratio	Lower	Upper
244	100		
212	10.4	7.9	11.9
122	16.6	13.2	19.8

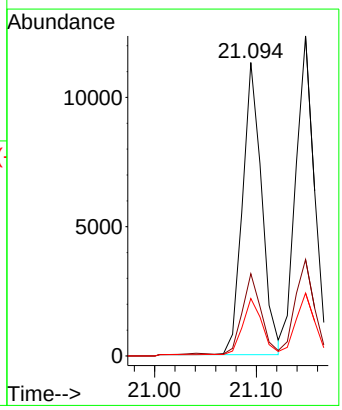


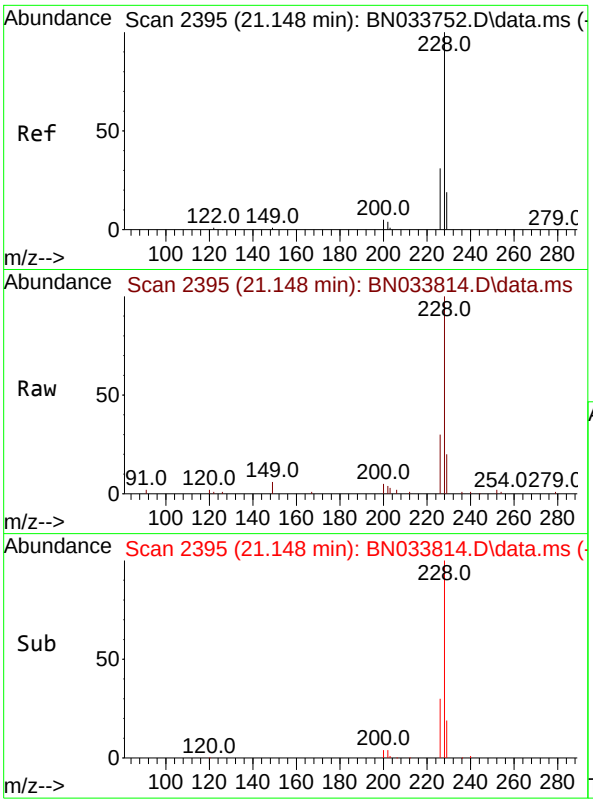


#32
Benzo(a)anthracene
Concen: 0.331 ng
RT: 21.094 min Scan# 2389
Delta R.T. -0.009 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:228 Resp: 14767

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.2	31.8
229	19.6	15.9	23.9



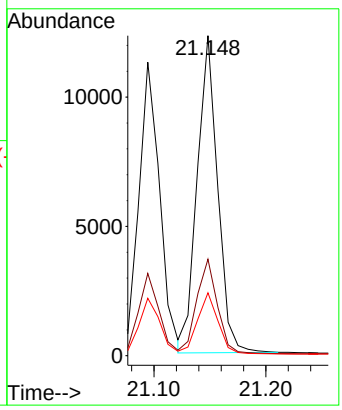


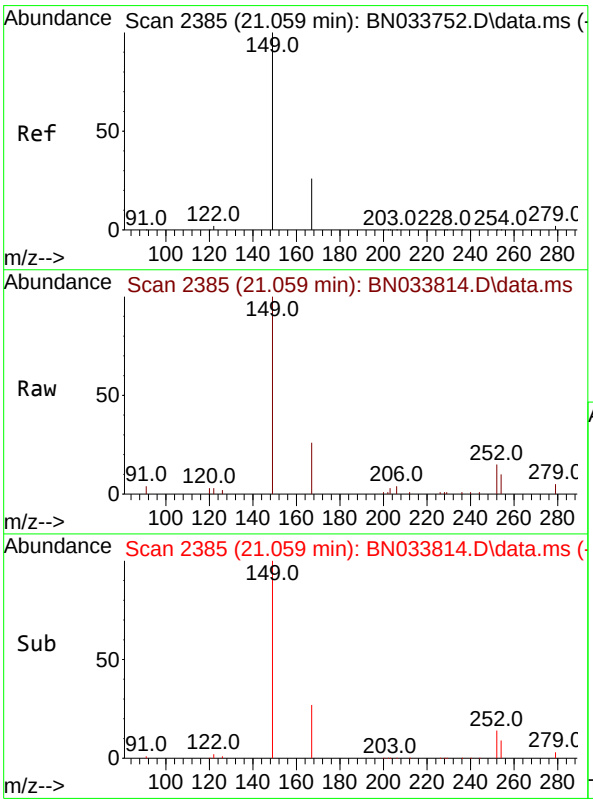
#33
Chrysene
Concen: 0.353 ng
RT: 21.148 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:228 Resp: 15593

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	19.7	15.6	23.4

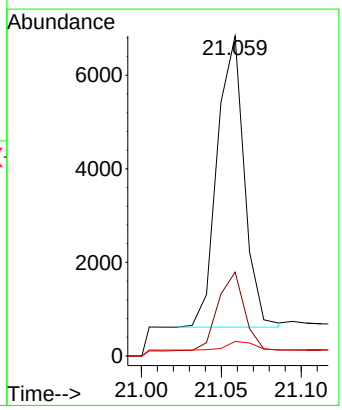


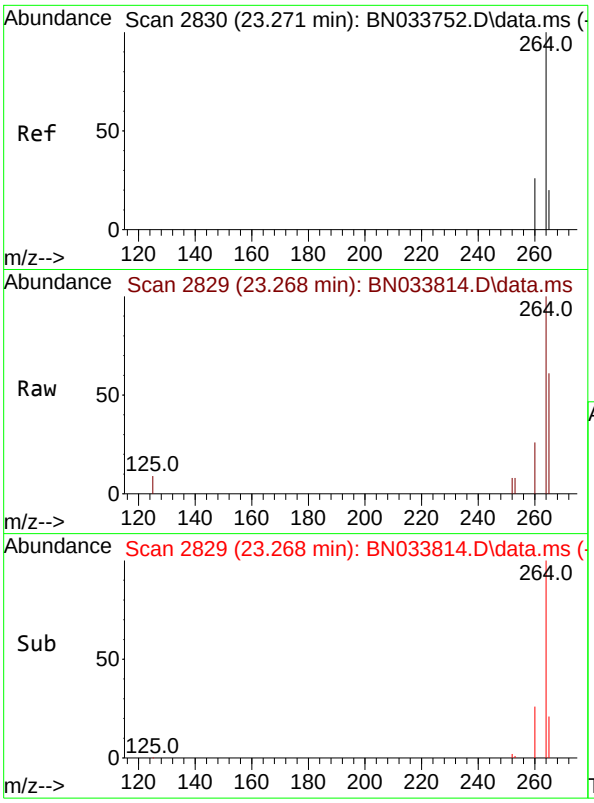


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.300 ng
RT: 21.059 min Scan# 2385
Delta R.T. -0.000 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:149 Resp: 7320

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.0	31.4
279	2.9	2.4	3.6



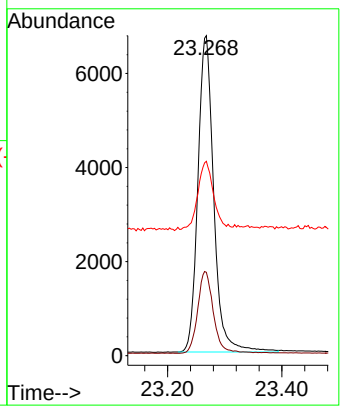


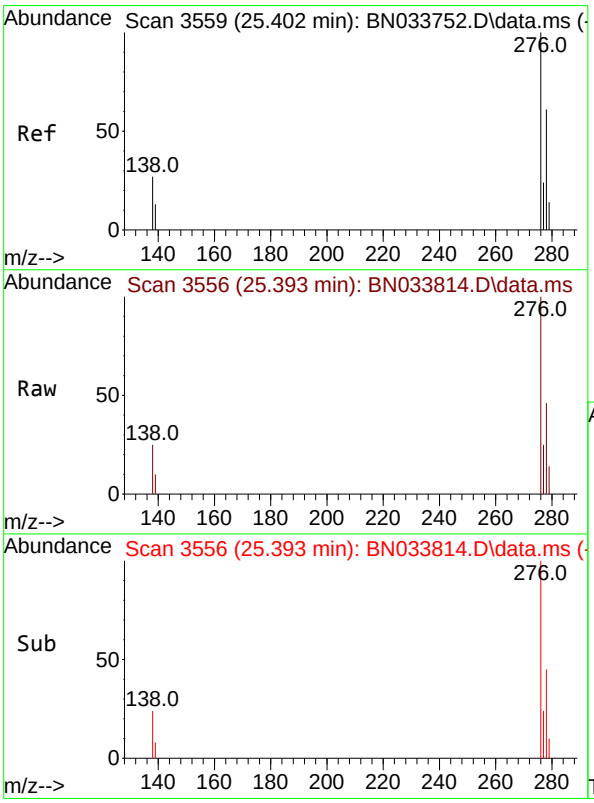
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.268 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:264 Resp: 12943

Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.1	31.7
265	60.7	72.0	108.0#

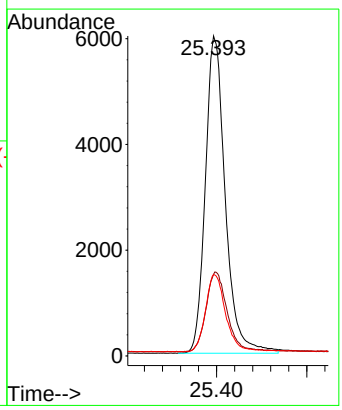


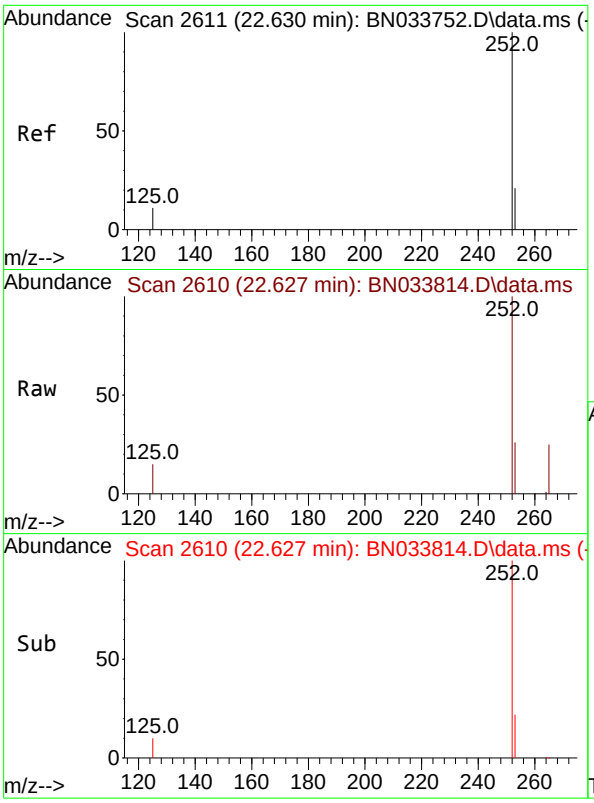


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.344 ng
RT: 25.393 min Scan# 3556
Delta R.T. -0.009 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:276 Resp: 18404

Ion	Ratio	Lower	Upper
276	100		
138	26.6	23.0	34.6
277	24.7	20.2	30.4



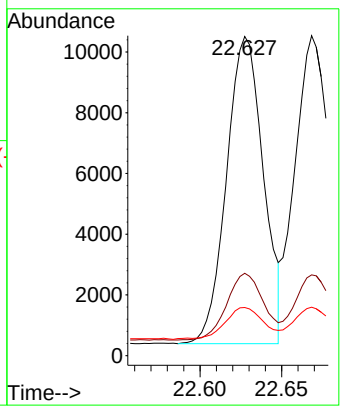


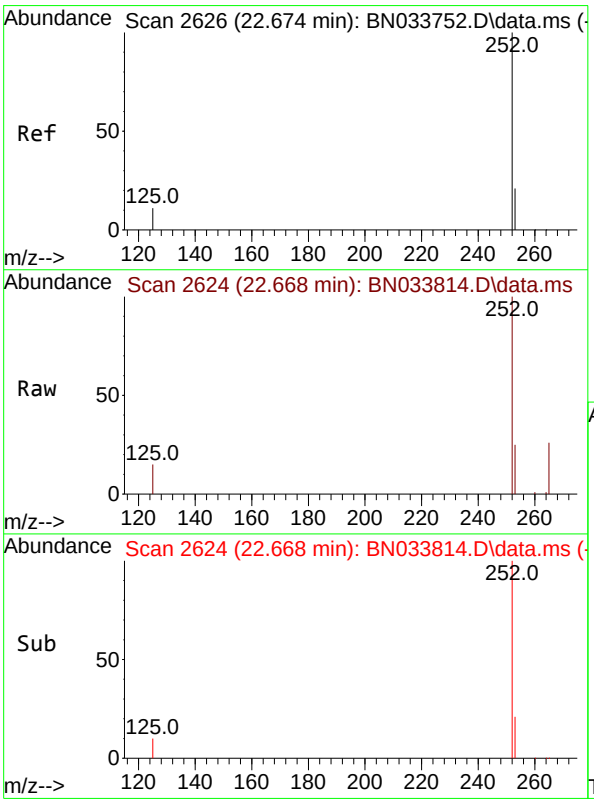
#37
Benzo(b)fluoranthene
Concen: 0.333 ng
RT: 22.627 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:252 Resp: 15850

Ion	Ratio	Lower	Upper
252	100		
253	25.8	21.8	32.6
125	15.1	15.4	23.0#

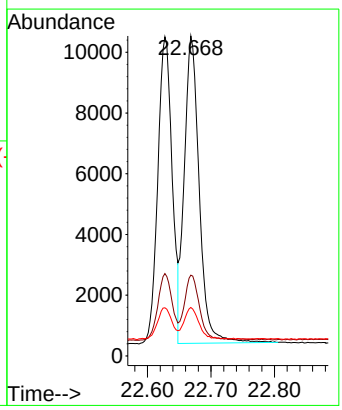


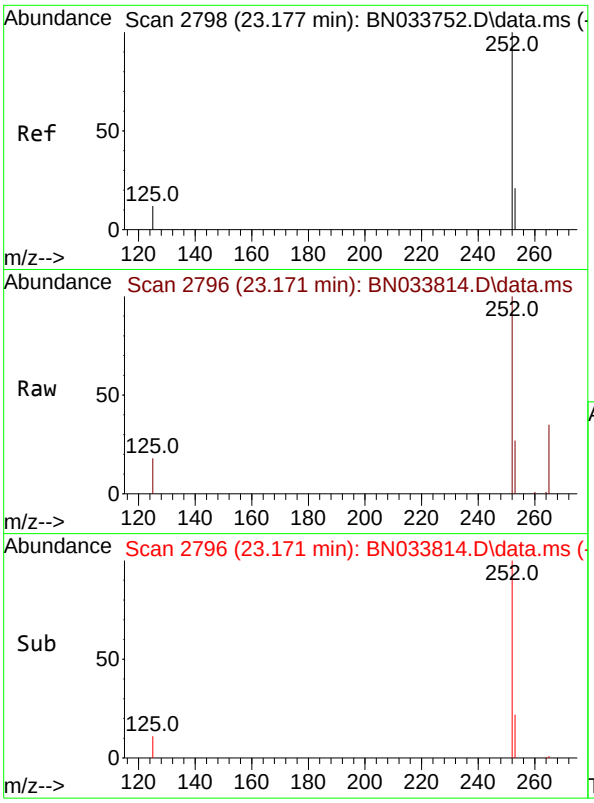


#38
Benzo(k)fluoranthene
Concen: 0.357 ng
RT: 22.668 min Scan# 2624
Delta R.T. -0.006 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:252 Resp: 16544

Ion	Ratio	Lower	Upper
252	100		
253	25.3	21.8	32.8
125	15.1	15.4	23.2#



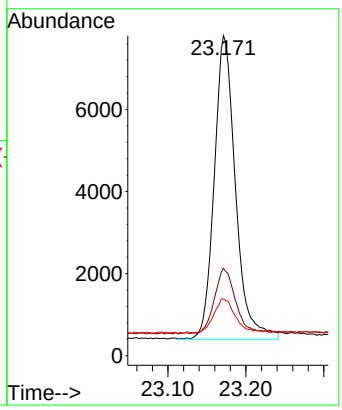


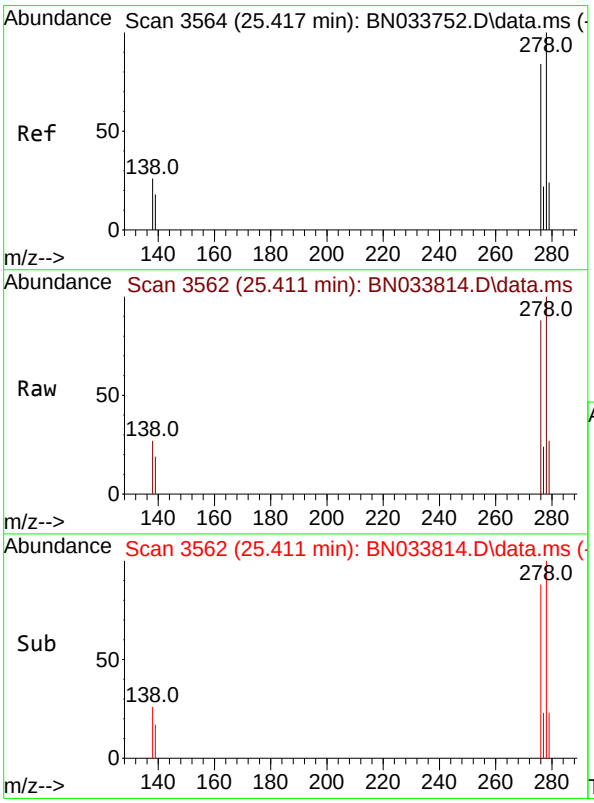
#39
Benzo(a)pyrene
Concen: 0.353 ng
RT: 23.171 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:252 Resp: 14045

Ion	Ratio	Lower	Upper
252	100		
253	27.3	24.0	36.0
125	17.7	19.1	28.7#

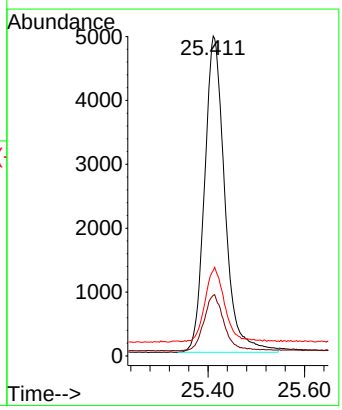


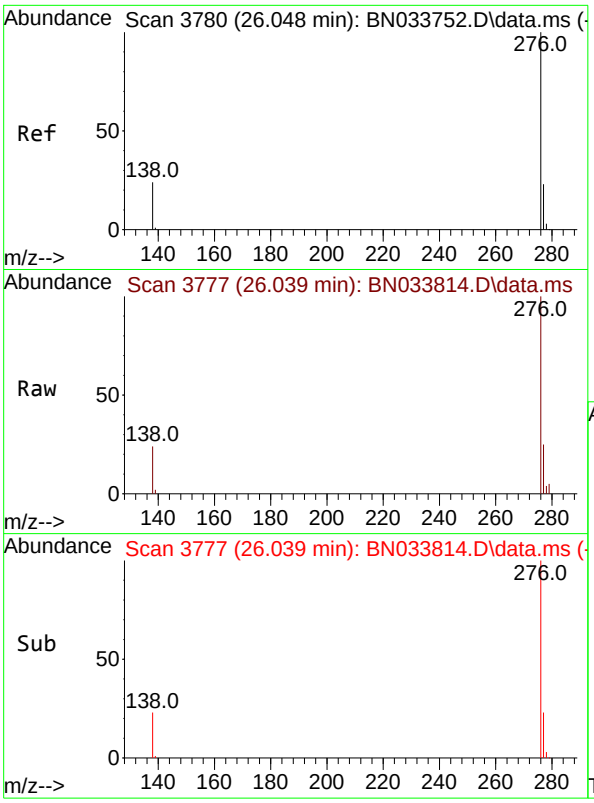


#40
Dibenzo(a,h)anthracene
Concen: 0.335 ng
RT: 25.411 min Scan# 3562
Delta R.T. -0.006 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Tgt Ion:278 Resp: 14375

Ion	Ratio	Lower	Upper
278	100		
139	19.0	16.7	25.1
279	26.7	23.4	35.0





#41
Benzo(g,h,i)perylene
Concen: 0.323 ng
RT: 26.039 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN033814.D
Acq: 09 Sep 2024 12:24

Instrument :
BNA_N
ClientSampleId :
PB163188BSD

Tgt Ion:276 Resp: 15031

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.3	30.5
138	24.3	20.9	31.3