Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072024\
Data File : BN032875.D
Acq On : 20 Jul 2024 14:10
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jul 22 00:42:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jul 21 23:33:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.531	152	3657	0.400	ng		0.00
7) Naphthalene-d8	10.304	136	11775	0.400	ng		0.00
13) Acenaphthene-d10	14.178	164	6208	0.400	ng		0.00
19) Phenanthrene-d10	16.954	188	10388	0.400	ng		0.00
29) Chrysene-d12	21.166	240	9912	0.400	ng		0.00
35) Perylene-d12	23.358	264	11334	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.176	112	4126	0.446	ng		0.00
5) Phenol-d6	6.779	99	5127	0.446	ng		0.00
8) Nitrobenzene-d5	8.734	82	3633	0.410	ng		0.00
11) 2-Methylnaphthalene-d10	11.915	152	6555	0.364	ng		0.00
14) 2,4,6-Tribromophenol	15.725	330	898	0.338	ng		0.00
15) 2-Fluorobiphenyl	12.810	172	9349	0.405	ng		0.00
27) Fluoranthene-d10	18.993	212	10731	0.399	ng		0.00
31) Terphenyl-d14	19.593	244	7419	0.365	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.118	88	1779	0.393	ng	#	95
3) n-Nitrosodimethylamine	3.450	42	1540	0.402	ng		99
6) bis(2-Chloroethyl)ether	6.989	93	4219	0.439	ng		93
9) Naphthalene	10.357	128	12629	0.387	ng		100
10) Hexachlorobutadiene	10.603	225	2632	0.422	ng	#	100
12) 2-Methylnaphthalene	11.990	142	7511	0.353	ng		97
16) Acenaphthylene	13.900	152	10170	0.403	ng		100
17) Acenaphthene	14.242	154	6741	0.377	ng		99
18) Fluorene	15.247	166	8063	0.337	ng		99
21) 4-Bromophenyl-phenylether	16.135	248	2476m	0.406	ng		
22) Hexachlorobenzene	16.247	284	2841	0.416	ng		99
23) Atrazine	16.433	200	1960	0.436	ng		97
24) Pentachlorophenol	16.644	266	948	0.373	ng		99
25) Phenanthrene	16.991	178	10512	0.370	ng		100
26) Anthracene	17.091	178	8790	0.376	ng		99
28) Fluoranthene	19.021	202	13350	0.389	ng		99
30) Pyrene	19.388	202	13912	0.344	ng		99
32) Benzo(a)anthracene	21.148	228	12282	0.392	ng		96
33) Chrysene	21.202	228	14312	0.384	ng		98
34) Bis(2-ethylhexyl)phtha...	21.050	149	10490m	0.605	ng		
36) Indeno(1,2,3-cd)pyrene	25.569	276	17551	0.393	ng		99
37) Benzo(b)fluoranthene	22.701	252	13822	0.350	ng	#	93
38) Benzo(k)fluoranthene	22.744	252	15310m	0.339	ng		
39) Benzo(a)pyrene	23.268	252	13111	0.368	ng		96
40) Dibenzo(a,h)anthracene	25.569	278	13978	0.396	ng	#	92
41) Benzo(g,h,i)perylene	26.250	276	14778	0.378	ng		93

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072024\
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Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
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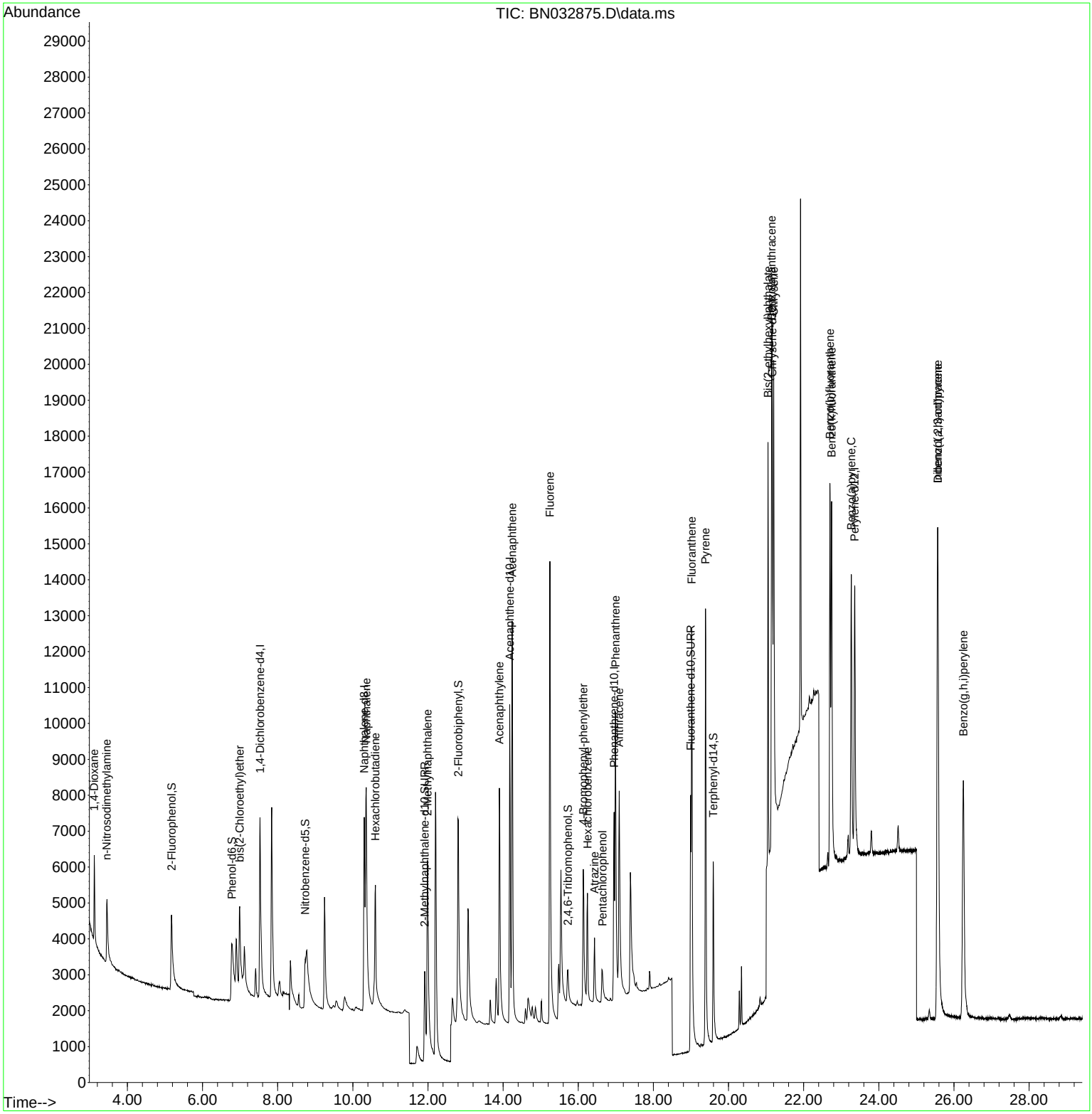
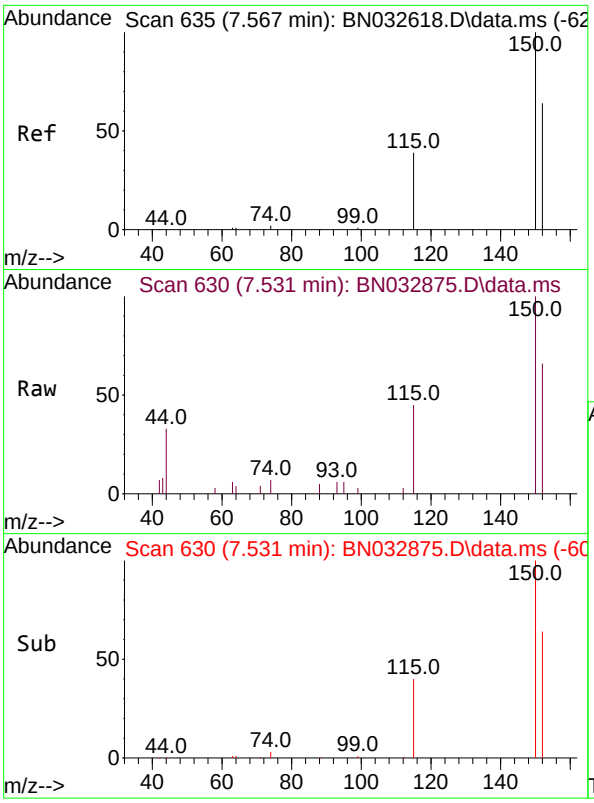
Quant Time: Jul 22 00:42:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jul 21 23:33:21 2024
Response via : Initial Calibration



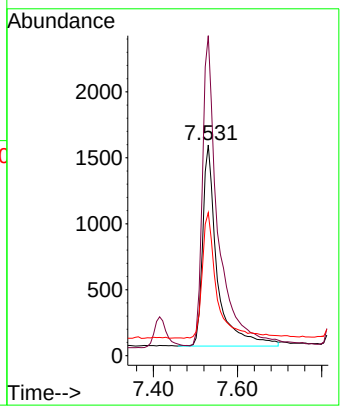


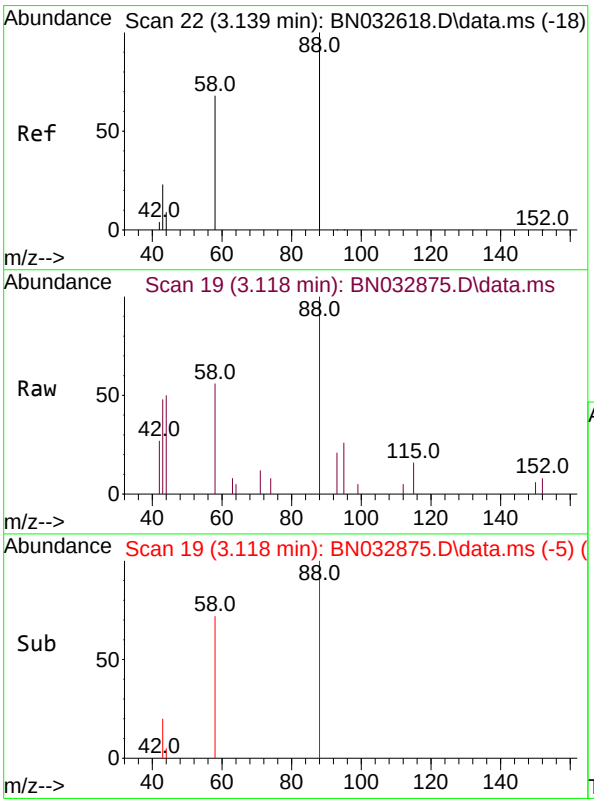
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.531 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3657

Ion	Ratio	Lower	Upper
152	100		
150	151.9	123.8	185.6
115	67.9	52.8	79.2

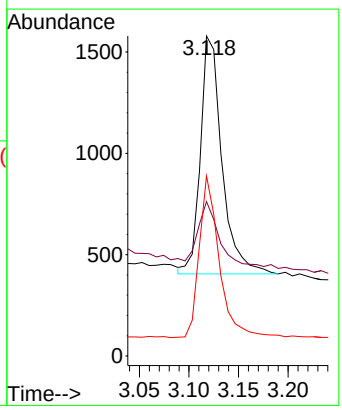


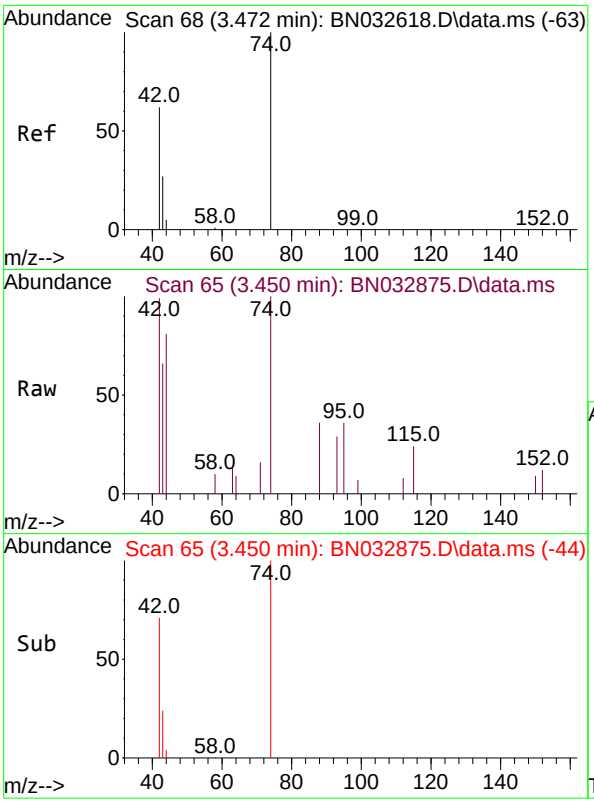


#2
1,4-Dioxane
Concen: 0.393 ng
RT: 3.118 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion: 88 Resp: 1779

Ion	Ratio	Lower	Upper
88	100		
43	29.2	18.4	27.6#
58	63.1	49.2	73.8



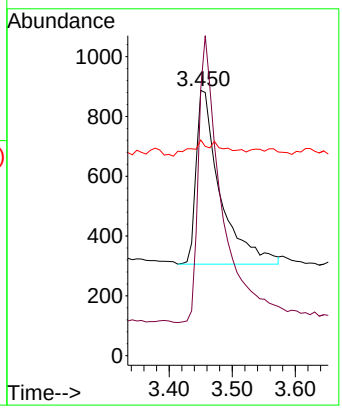


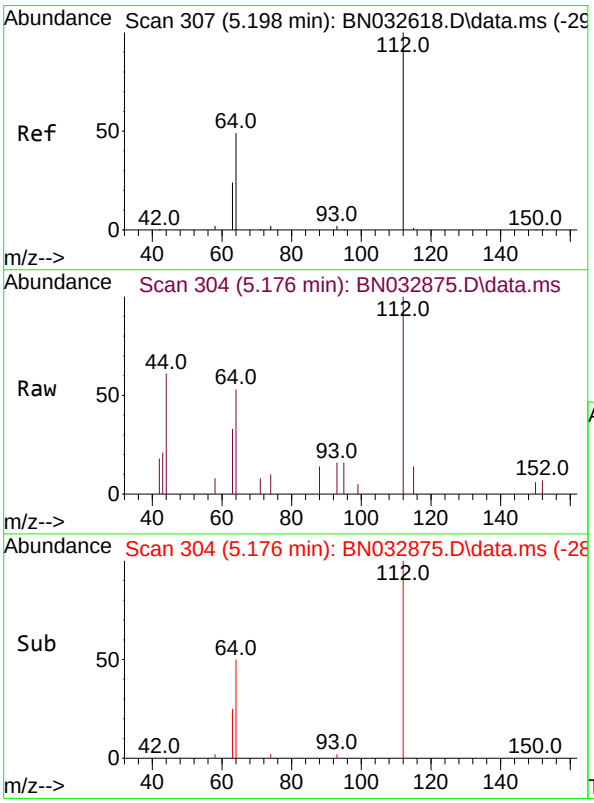
#3
n-Nitrosodimethylamine
Concen: 0.402 ng
RT: 3.450 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1540

Ion	Ratio	Lower	Upper
42	100		
74	160.5	126.9	190.3
44	6.2	4.8	7.2

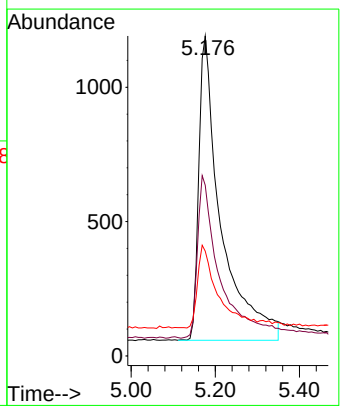


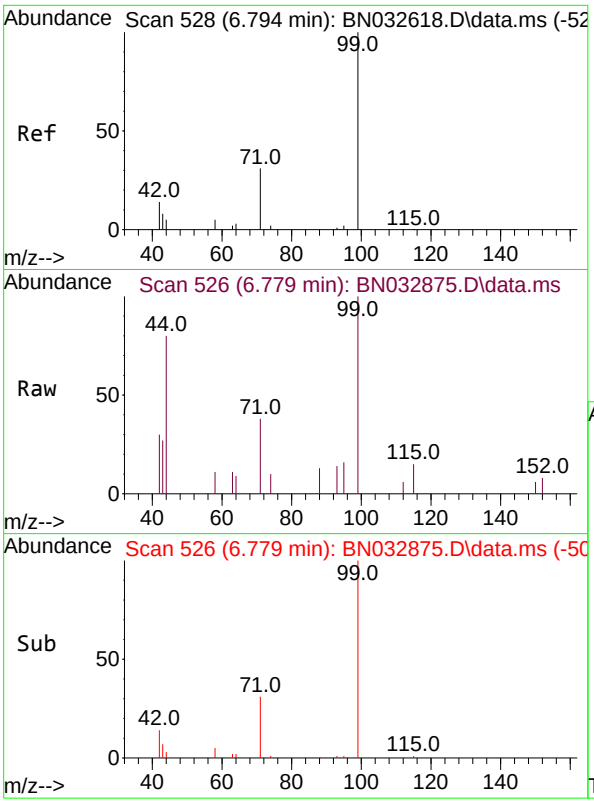


#4
2-Fluorophenol
Concen: 0.446 ng
RT: 5.176 min Scan# 304
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:112 Resp: 4126

Ion	Ratio	Lower	Upper
112	100		
64	53.3	40.2	60.4
63	24.8	22.2	33.4



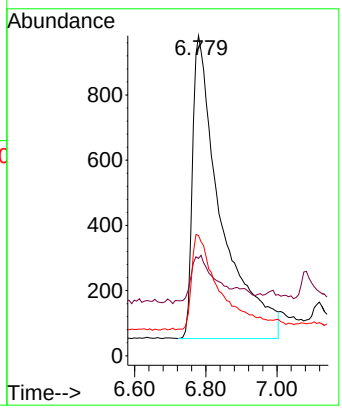


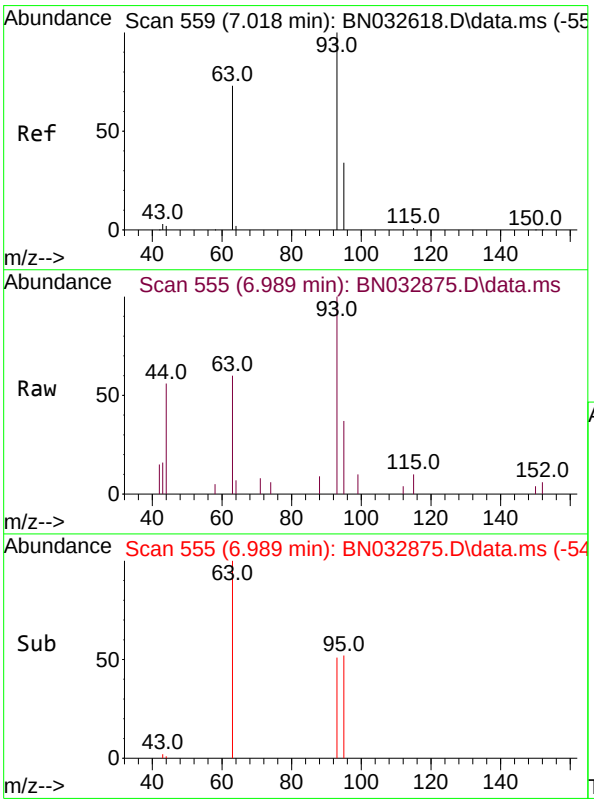
#5
Phenol-d6
Concen: 0.446 ng
RT: 6.779 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 5127

Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.5	15.7
71	30.8	22.3	33.5

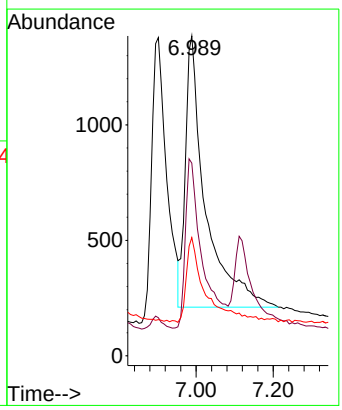


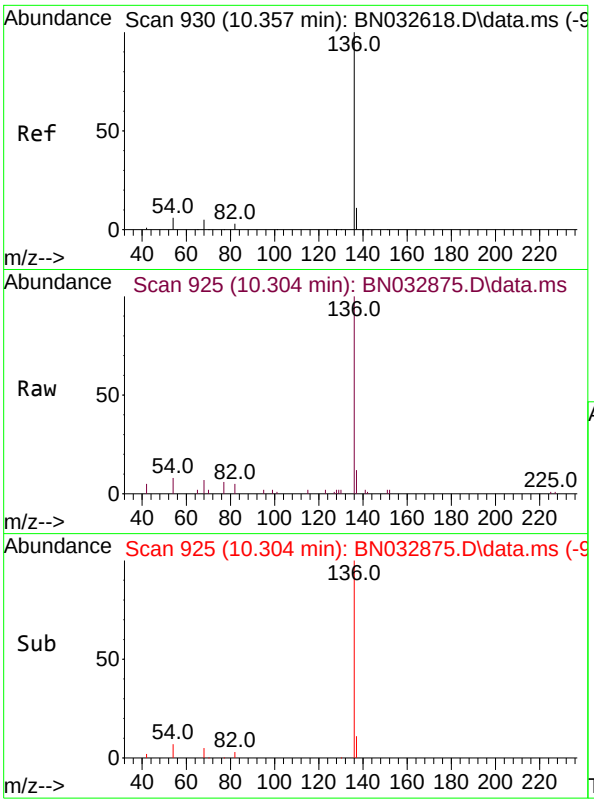


#6
bis(2-Chloroethyl)ether
Concen: 0.439 ng
RT: 6.989 min Scan# 555
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion: 93 Resp: 4219

Ion	Ratio	Lower	Upper
93	100		
63	52.5	46.4	69.6
95	27.8	25.5	38.3



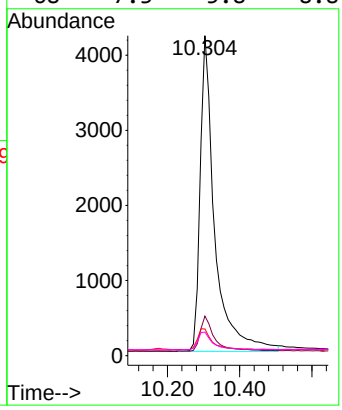


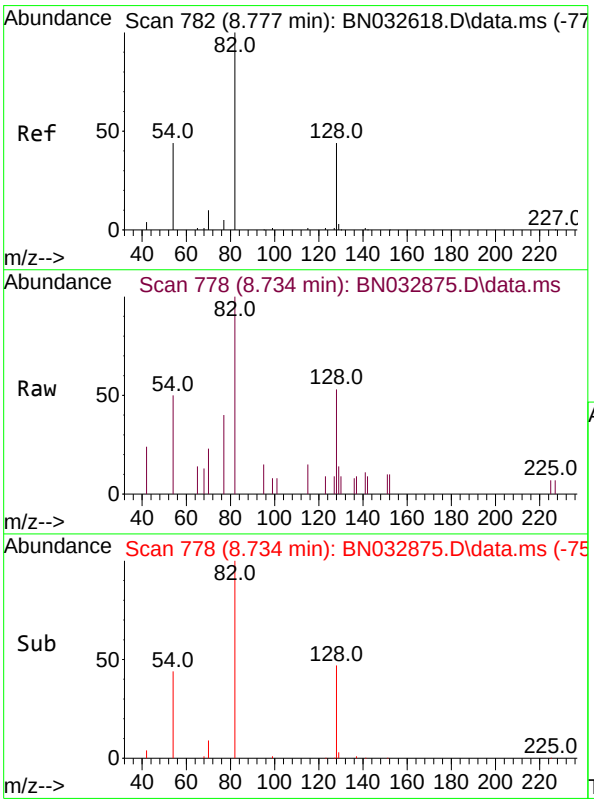
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 11775

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.9	14.9
54	8.4	6.5	9.7
68	7.3	5.8	8.8

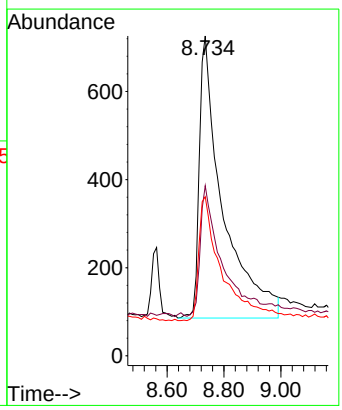


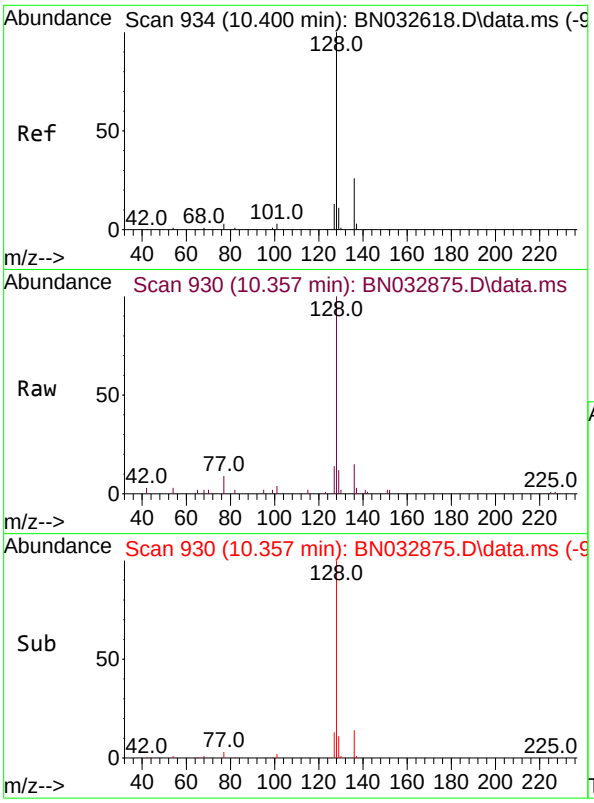


#8
Nitrobenzene-d5
Concen: 0.410 ng
RT: 8.734 min Scan# 778
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion: 82 Resp: 3633

Ion	Ratio	Lower	Upper
82	100		
128	53.2	41.7	62.5
54	49.7	39.5	59.3



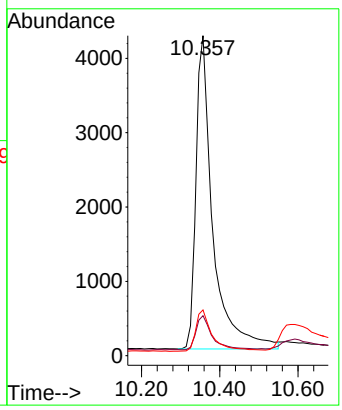


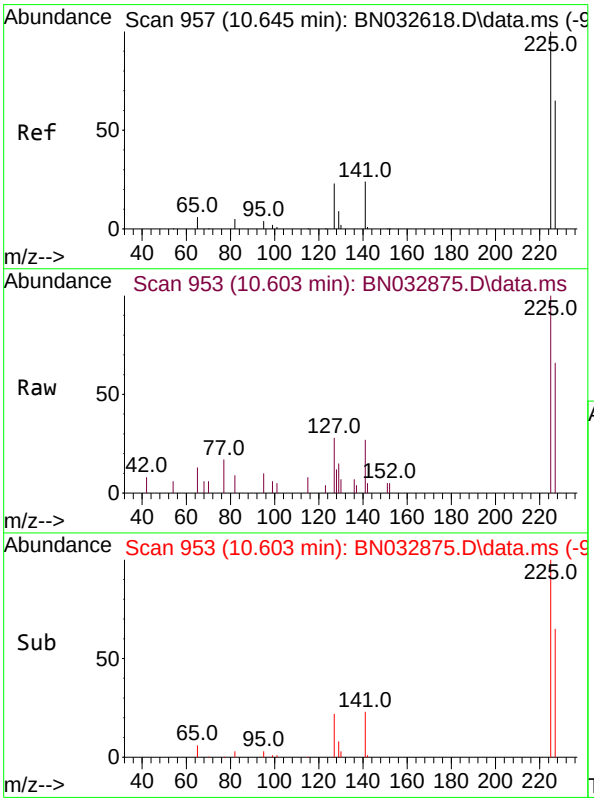
#9
Naphthalene
Concen: 0.387 ng
RT: 10.357 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 12629

Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.8	14.8
127	14.3	11.5	17.3

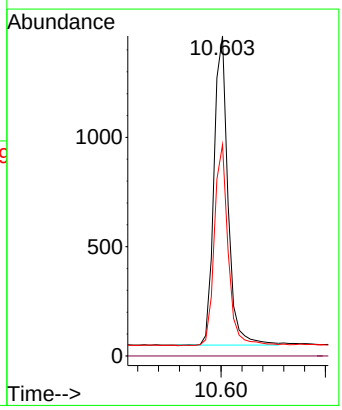


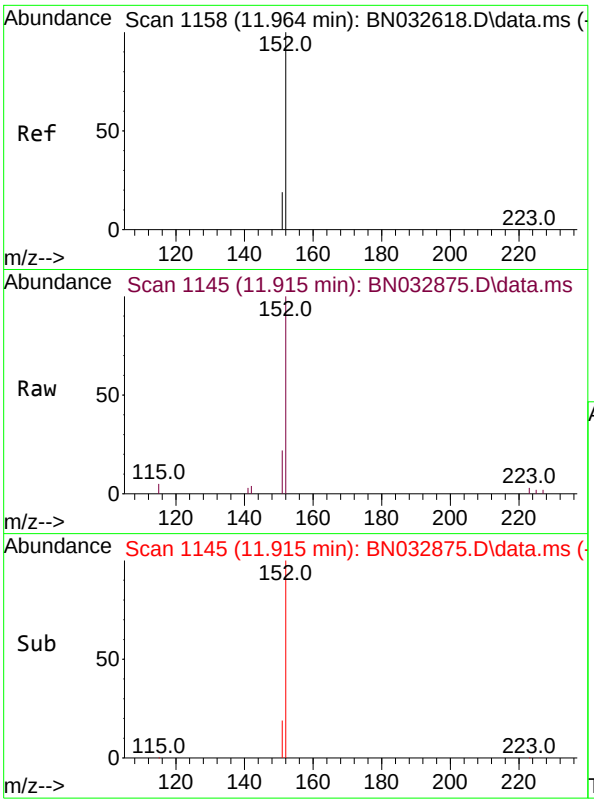


#10
Hexachlorobutadiene
Concen: 0.422 ng
RT: 10.603 min Scan# 953
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:225 Resp: 2632

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.3	76.9



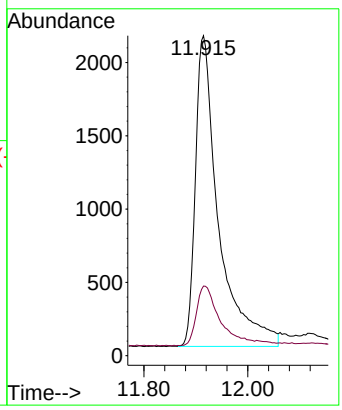


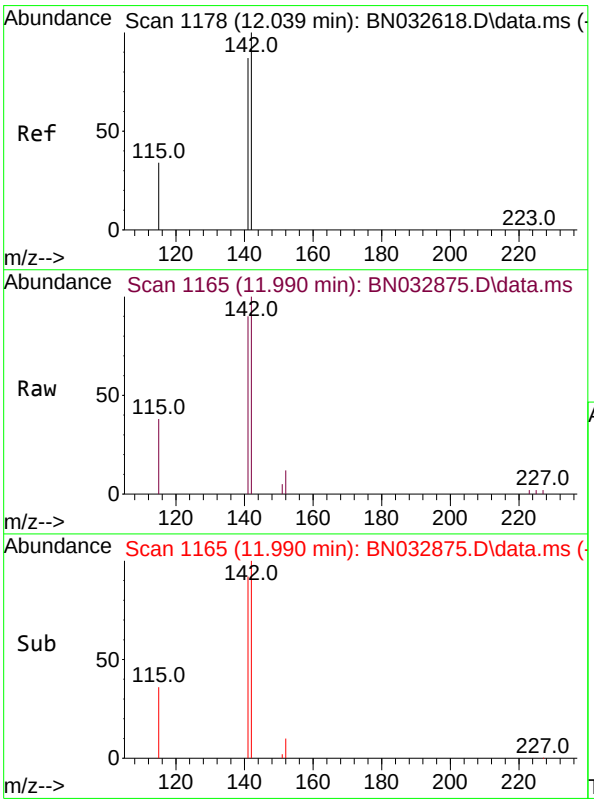
#11
2-Methylnaphthalene-d10
Concen: 0.364 ng
RT: 11.915 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 6555

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.2

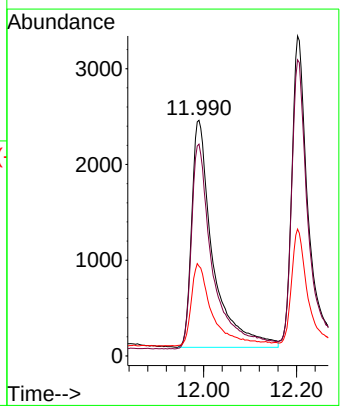


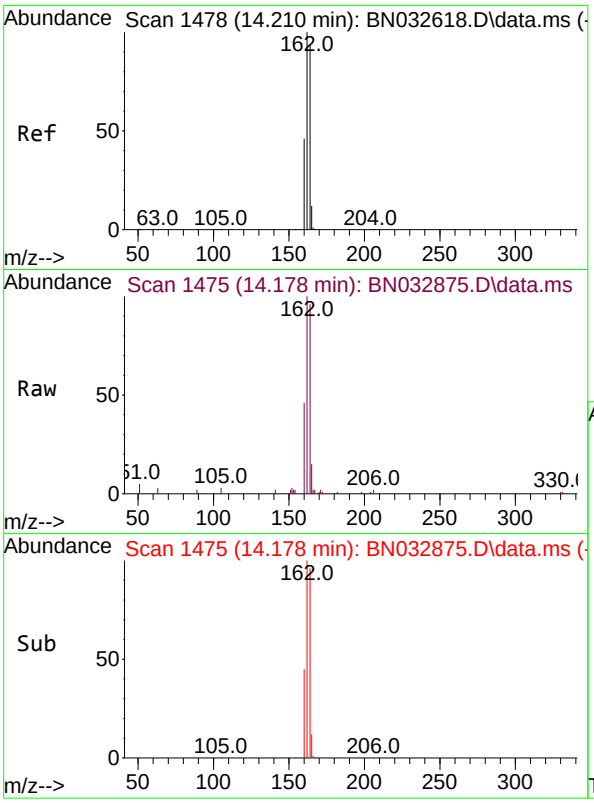


#12
2-Methylnaphthalene
Concen: 0.353 ng
RT: 11.990 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:142 Resp: 7511

Ion	Ratio	Lower	Upper
142	100		
141	89.9	69.3	103.9
115	38.1	29.5	44.3



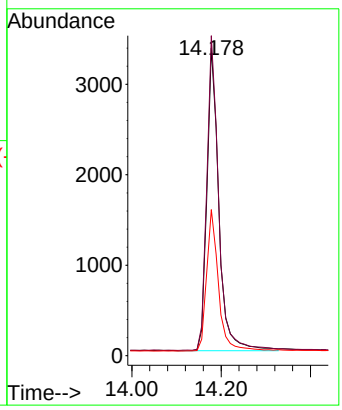


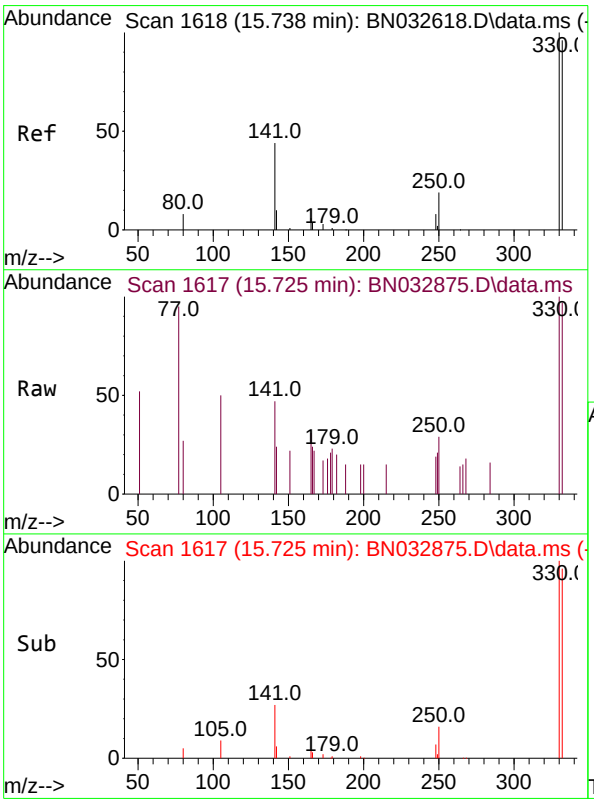
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 6208

Ion	Ratio	Lower	Upper
164	100		
162	104.1	85.0	127.4
160	47.5	39.4	59.2

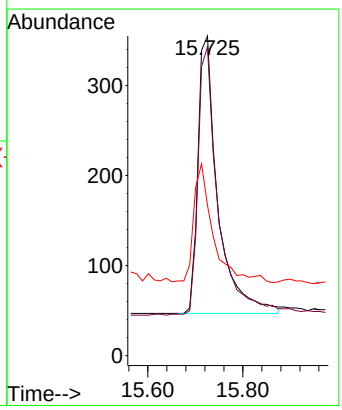


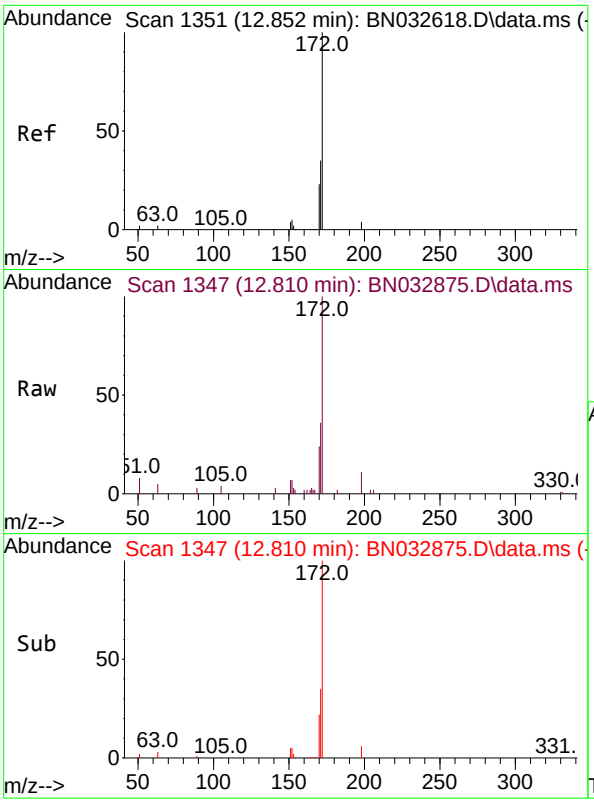


#14
2,4,6-Tribromophenol
Concen: 0.338 ng
RT: 15.725 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:330 Resp: 898

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.8	116.8
141	41.8	34.2	51.2



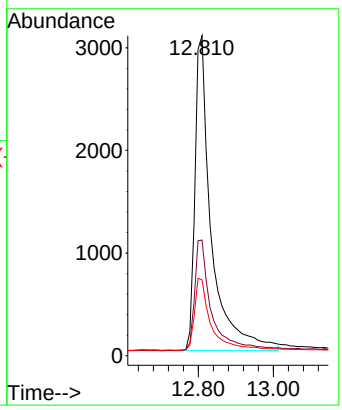


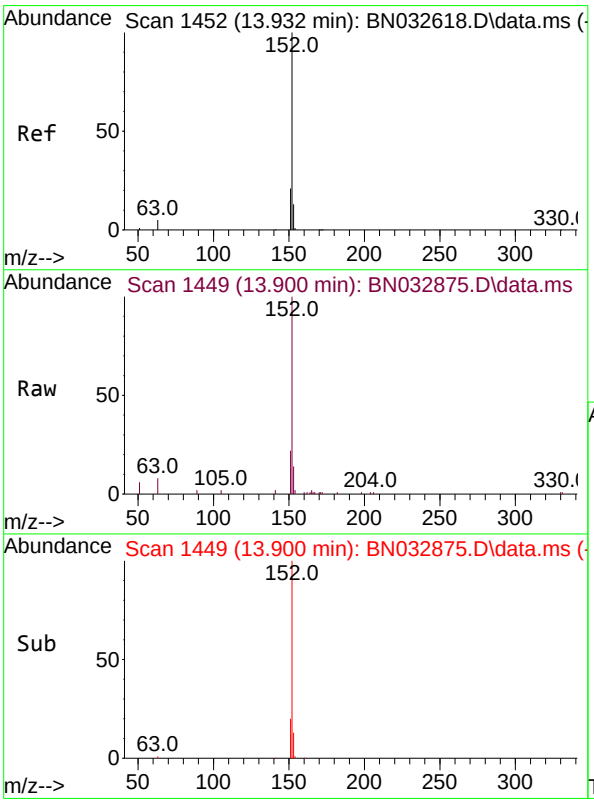
#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 12.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 9349

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	23.7	19.0	28.6

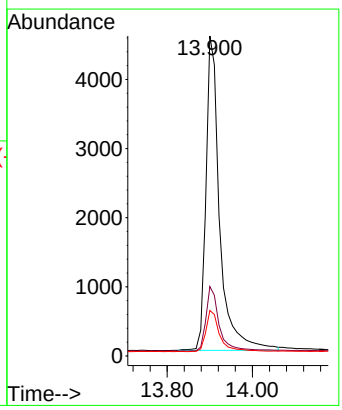


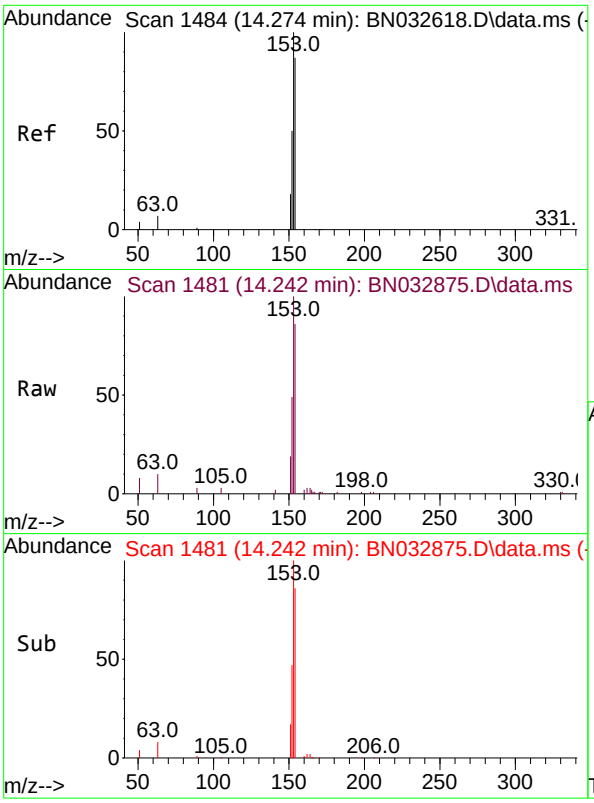


#16
Acenaphthylene
Concen: 0.403 ng
RT: 13.900 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:152 Resp: 10170

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.1	10.6	15.8



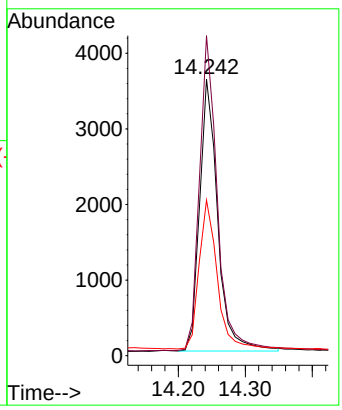


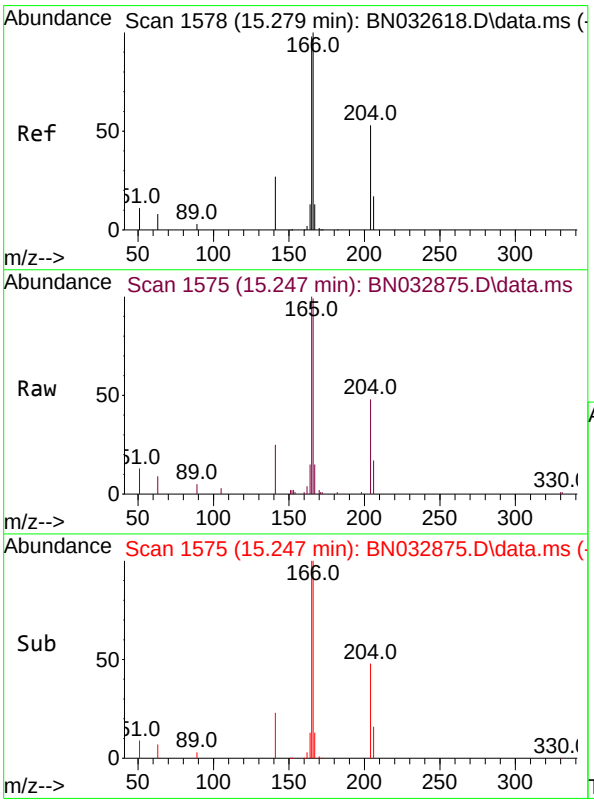
#17
Acenaphthene
Concen: 0.377 ng
RT: 14.242 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 6741

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.8	137.8
152	55.1	45.2	67.8

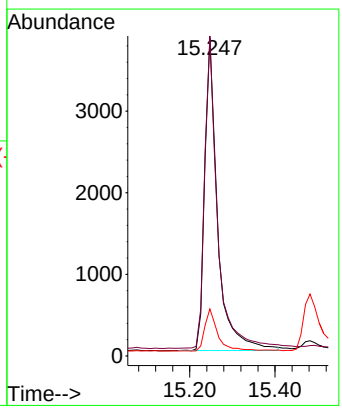


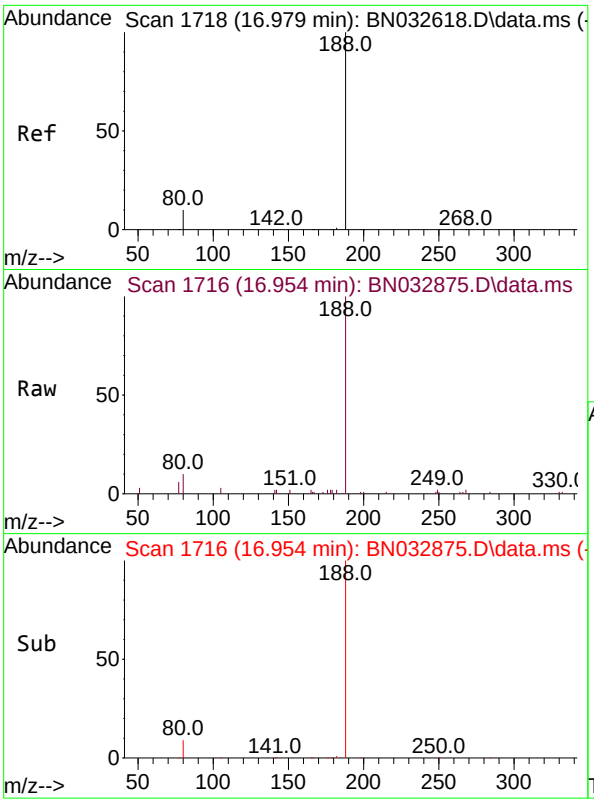


#18
Fluorene
Concen: 0.337 ng
RT: 15.247 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:166 Resp: 8063

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.0	117.0
167	13.3	10.7	16.1



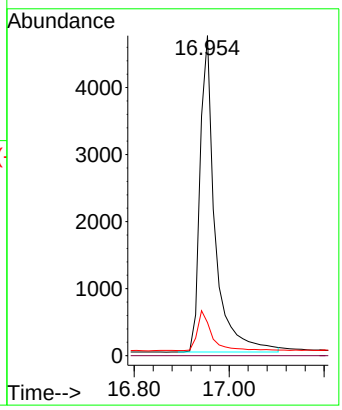


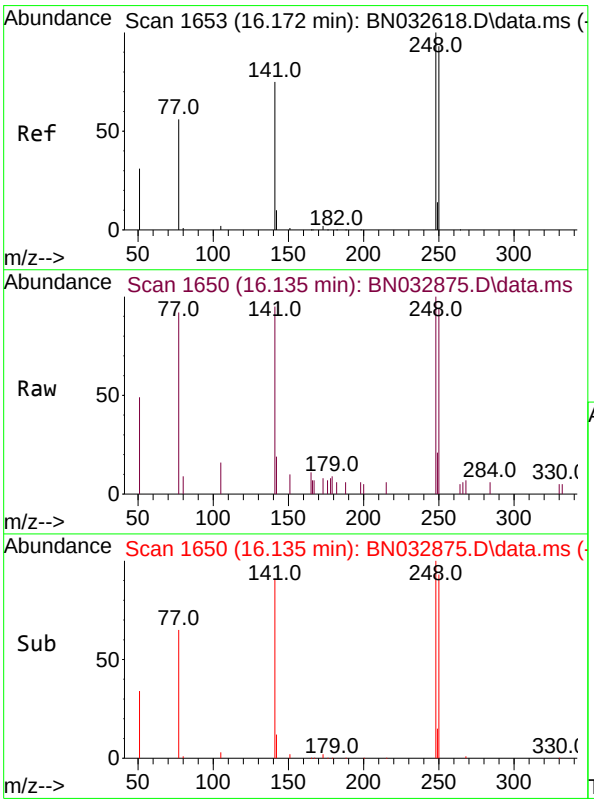
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.954 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 10388

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.4	8.8	13.2

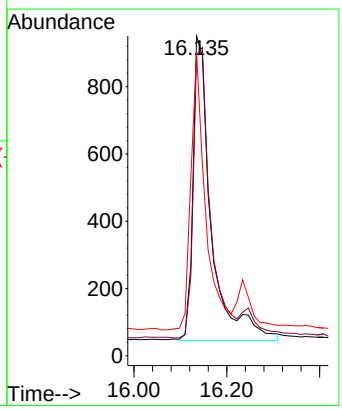


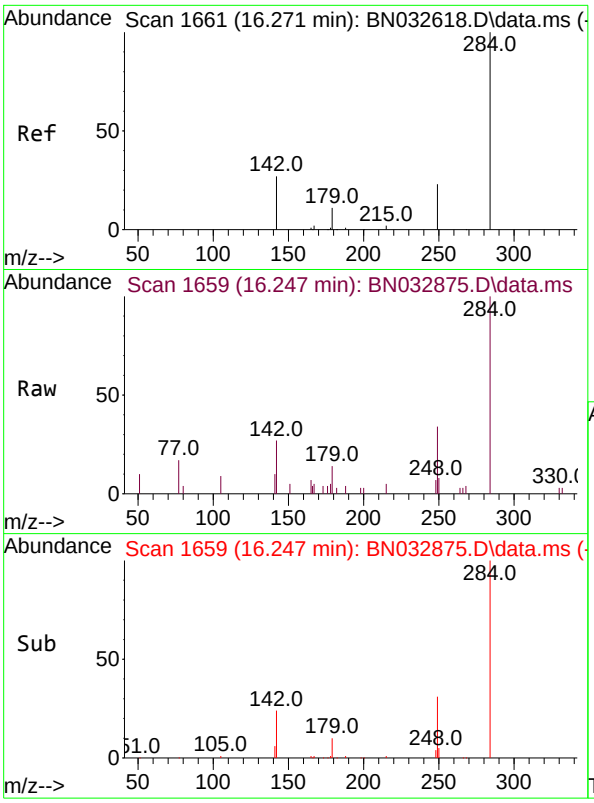


#21
4-Bromophenyl-phenylether
Concen: 0.406 ng m
RT: 16.135 min Scan# 1650
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:248 Resp: 2476

Ion	Ratio	Lower	Upper
248	100		
250	94.1	75.1	112.7
141	94.5	62.0	93.0#



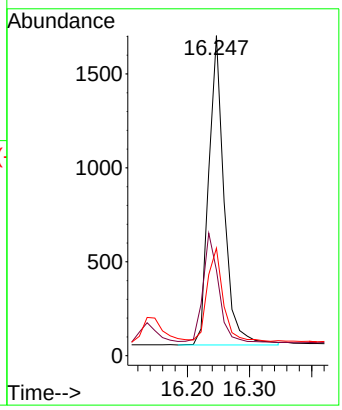


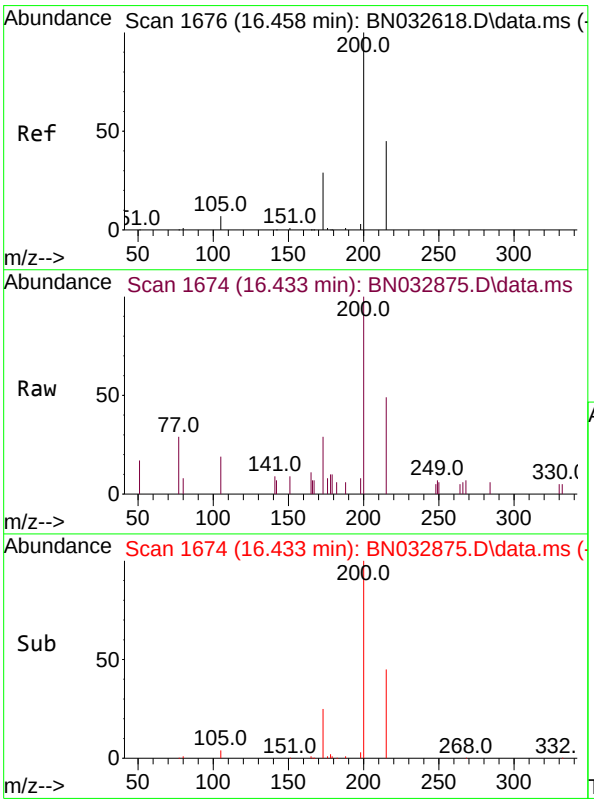
#22
Hexachlorobenzene
Concen: 0.416 ng
RT: 16.247 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 2841

Ion	Ratio	Lower	Upper
284	100		
142	35.9	29.4	44.0
249	30.7	24.6	36.8

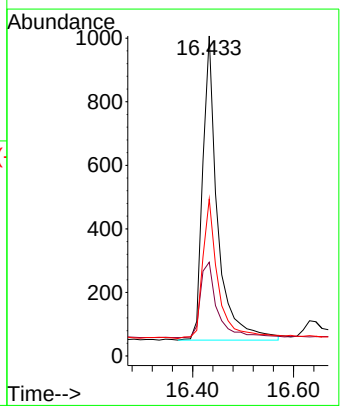


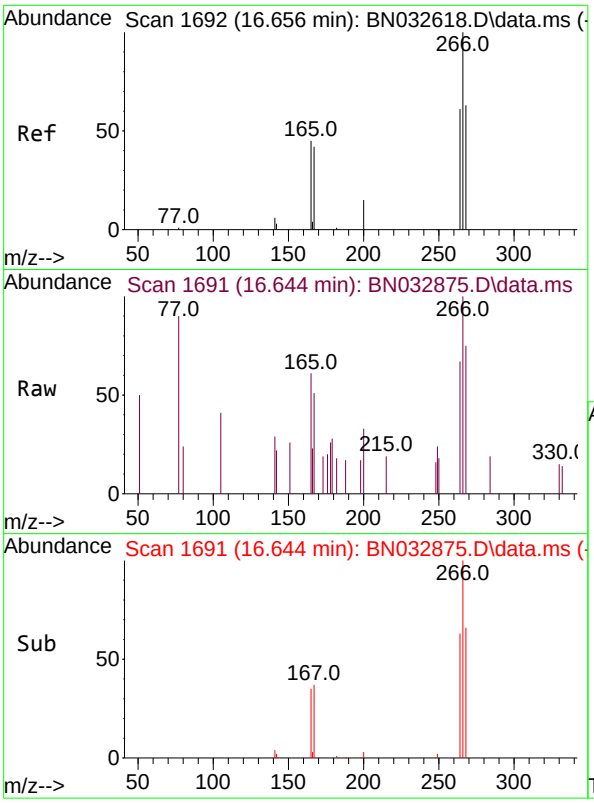


#23
Atrazine
Concen: 0.436 ng
RT: 16.433 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:200 Resp: 1960

Ion	Ratio	Lower	Upper
200	100		
173	29.3	25.4	38.2
215	49.1	38.2	57.2



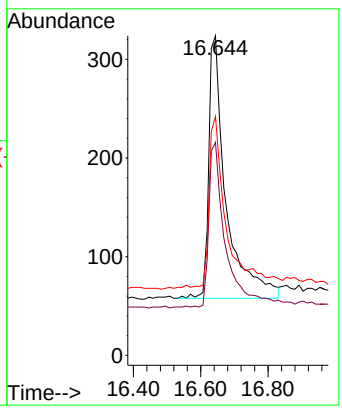


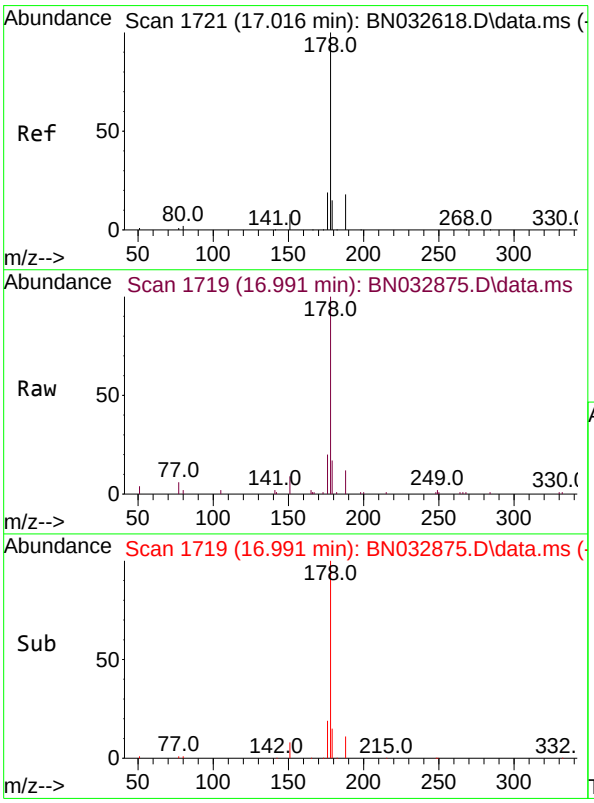
#24
Pentachlorophenol
Concen: 0.373 ng
RT: 16.644 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:266 Resp: 948

Ion	Ratio	Lower	Upper
266	100		
264	61.4	50.2	75.2
268	65.4	52.8	79.2

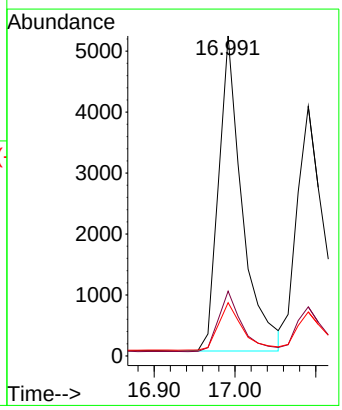


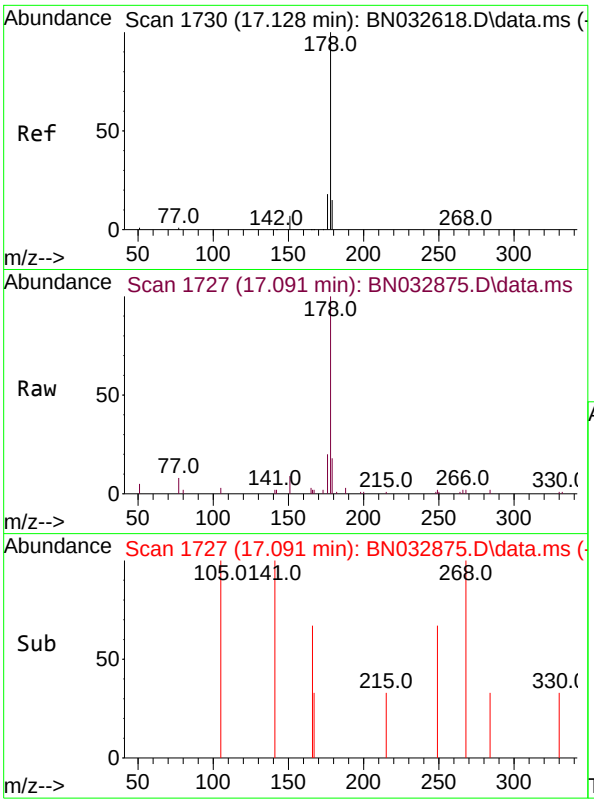


#25
Phenanthrene
Concen: 0.370 ng
RT: 16.991 min Scan# 1719
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:178 Resp: 10512

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.4	12.2	18.4



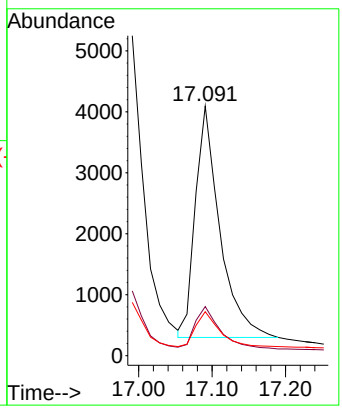


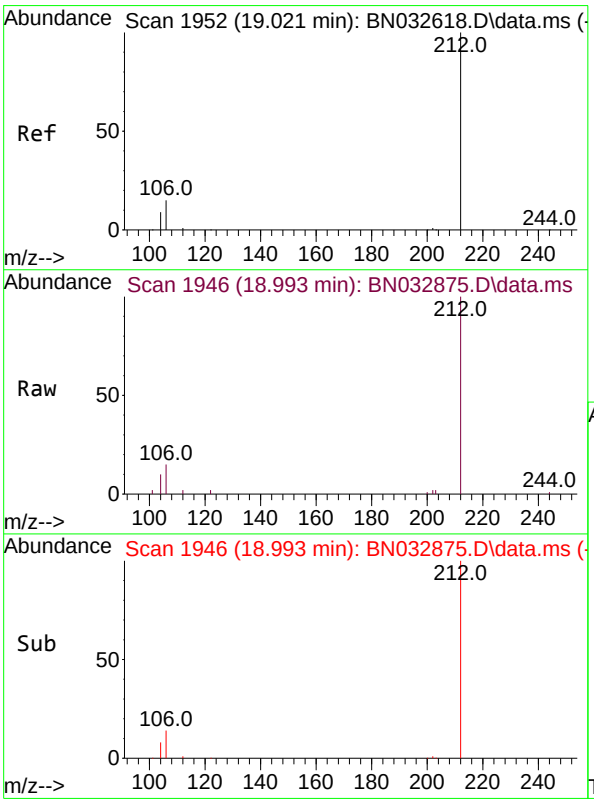
#26
Anthracene
Concen: 0.376 ng
RT: 17.091 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 8790

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	14.4	11.8	17.8

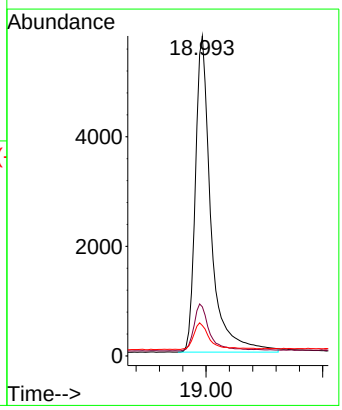


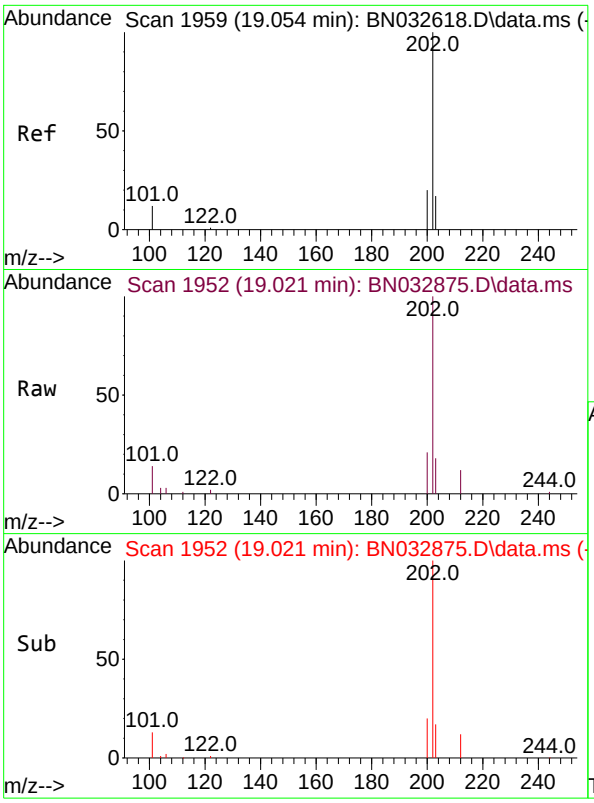


#27
Fluoranthene-d10
Concen: 0.399 ng
RT: 18.993 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:212 Resp: 10731

Ion	Ratio	Lower	Upper
212	100		
106	15.2	11.9	17.9
104	8.7	6.9	10.3



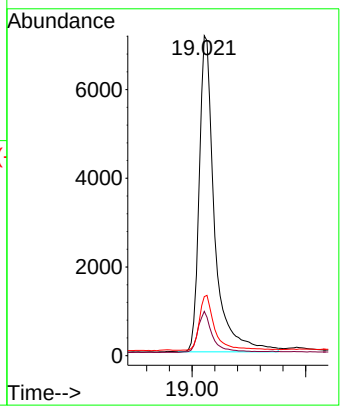


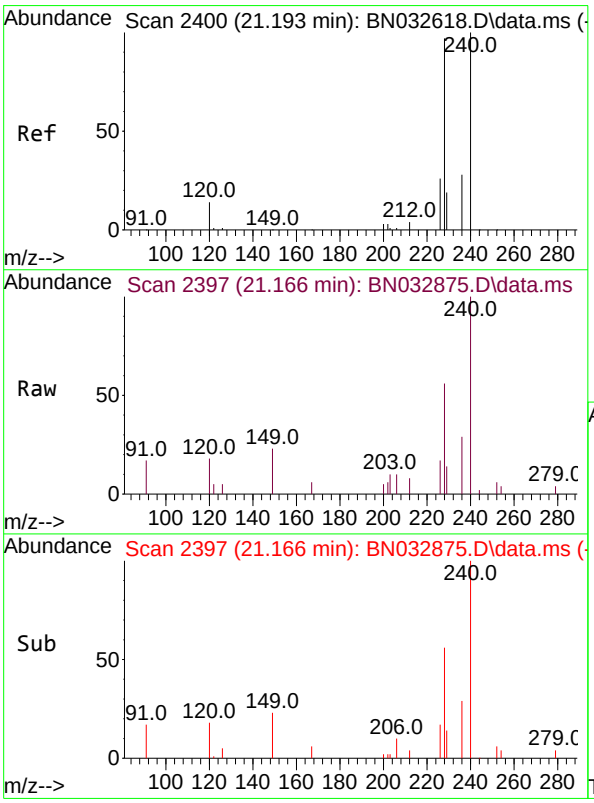
#28
Fluoranthene
Concen: 0.389 ng
RT: 19.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:202 Resp: 13350

Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.6	14.4
203	17.6	13.8	20.6

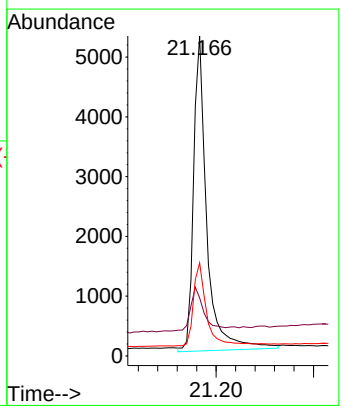


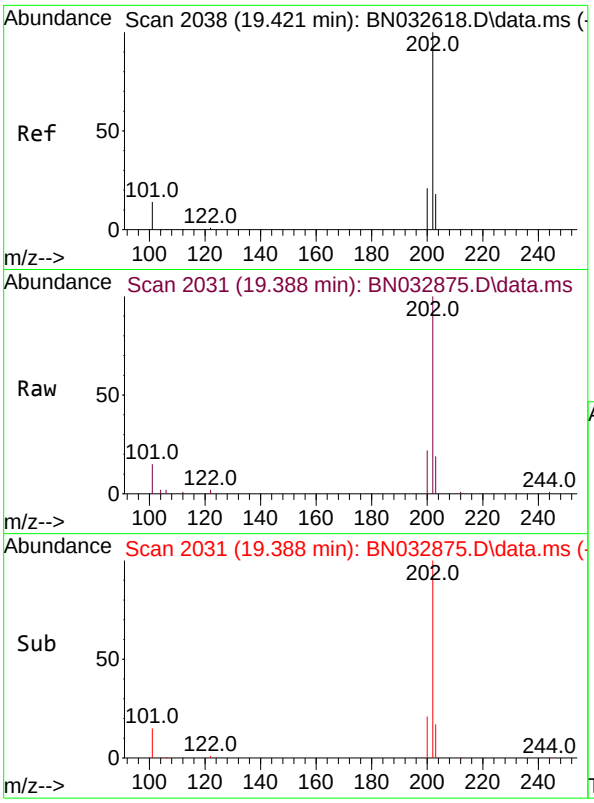


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.166 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:240 Resp: 9912

Ion	Ratio	Lower	Upper
240	100		
120	18.1	14.8	22.2
236	29.1	23.3	34.9



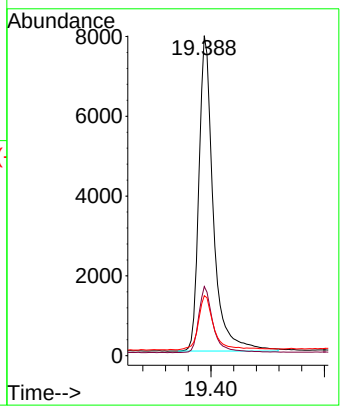


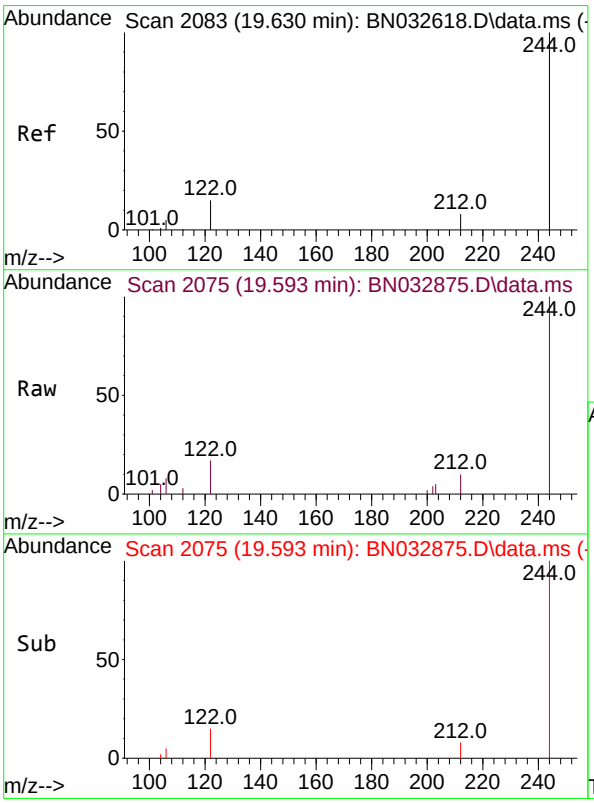
#30
Pyrene
Concen: 0.344 ng
RT: 19.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:202 Resp: 13912

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	18.0	14.8	22.2

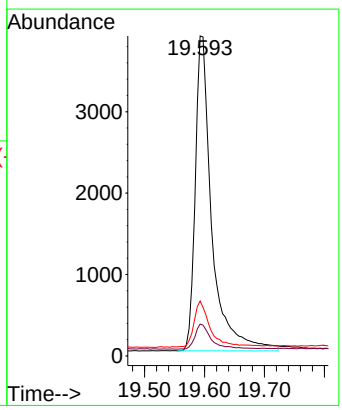


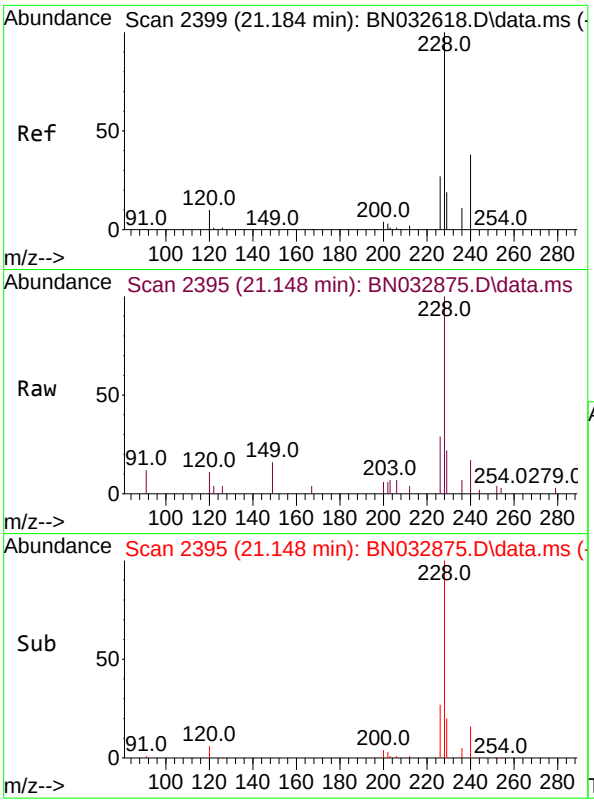


#31
Terphenyl-d14
Concen: 0.365 ng
RT: 19.593 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:244 Resp: 7419

Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.5	11.3
122	17.1	12.6	19.0



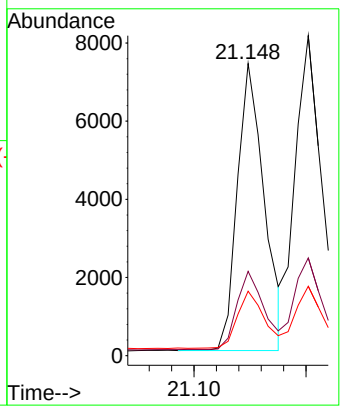


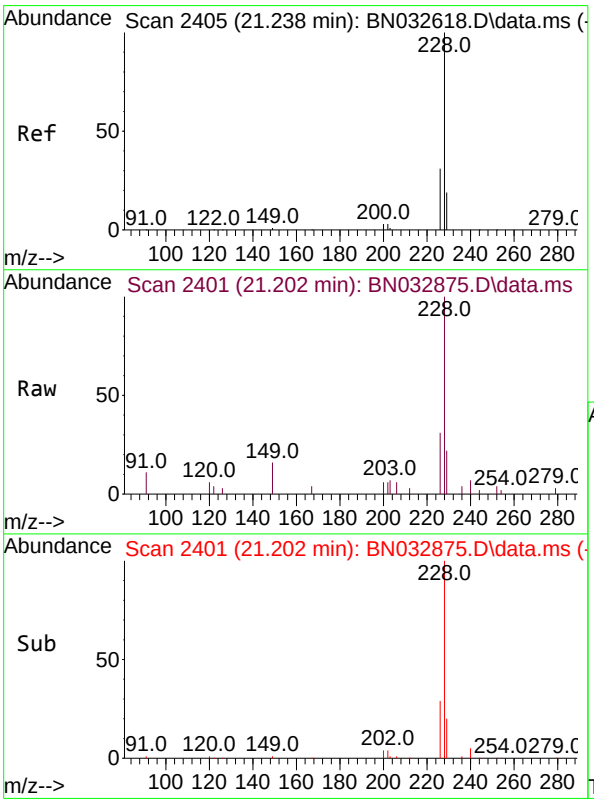
#32
Benzo(a)anthracene
Concen: 0.392 ng
RT: 21.148 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 12282

Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.8	32.6
229	22.1	16.0	24.0

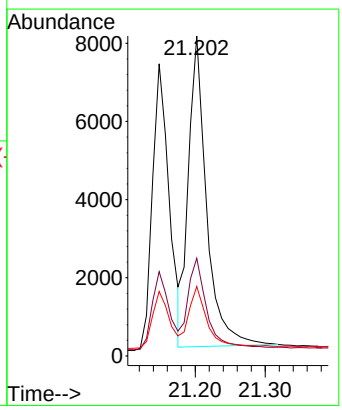


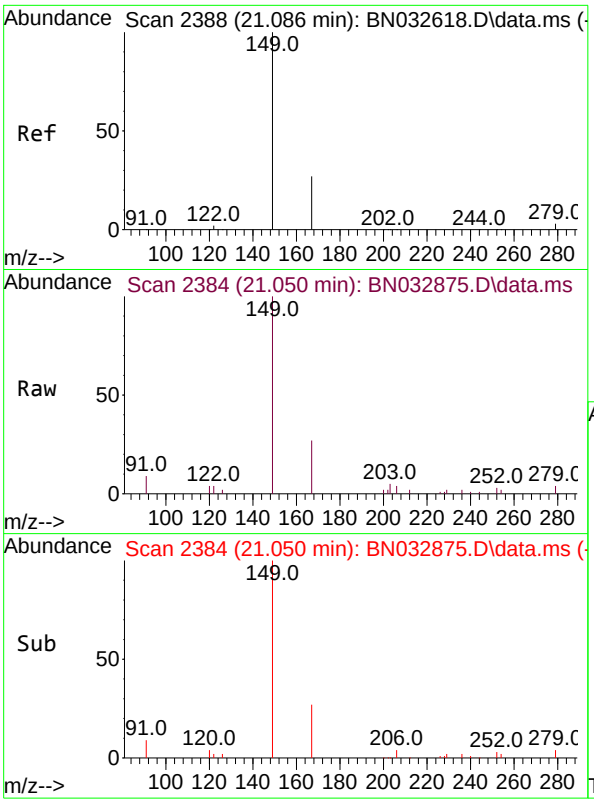


#33
Chrysene
Concen: 0.384 ng
RT: 21.202 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:228 Resp: 14312

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	21.7	16.0	24.0



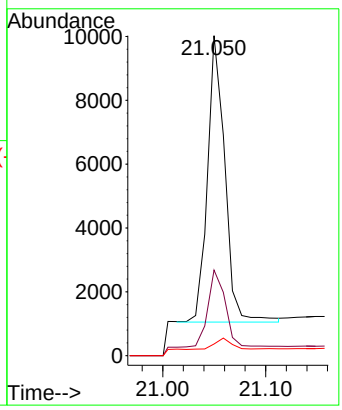


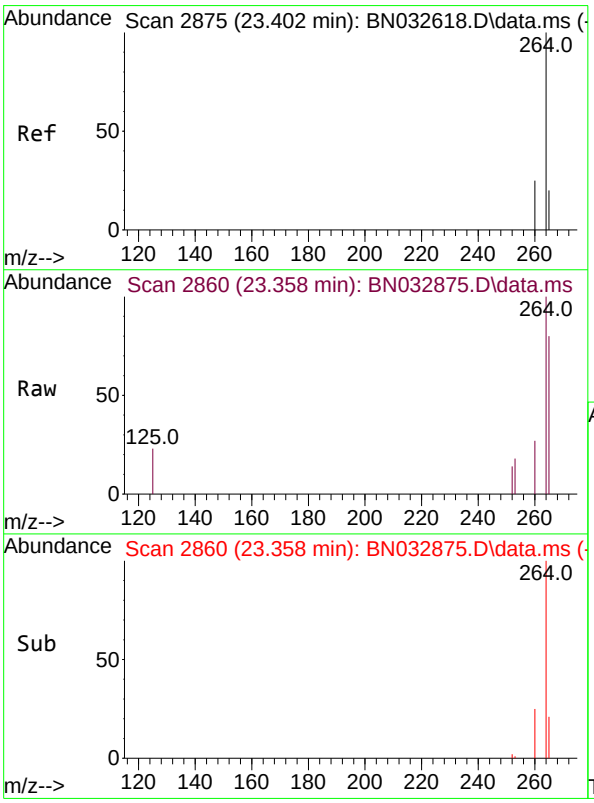
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.605 ng m
RT: 21.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:149 Resp: 10490

Ion	Ratio	Lower	Upper
149	100		
167	43.6	21.4	32.2#
279	12.7	2.8	4.2#

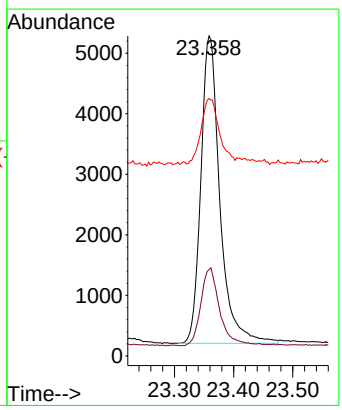


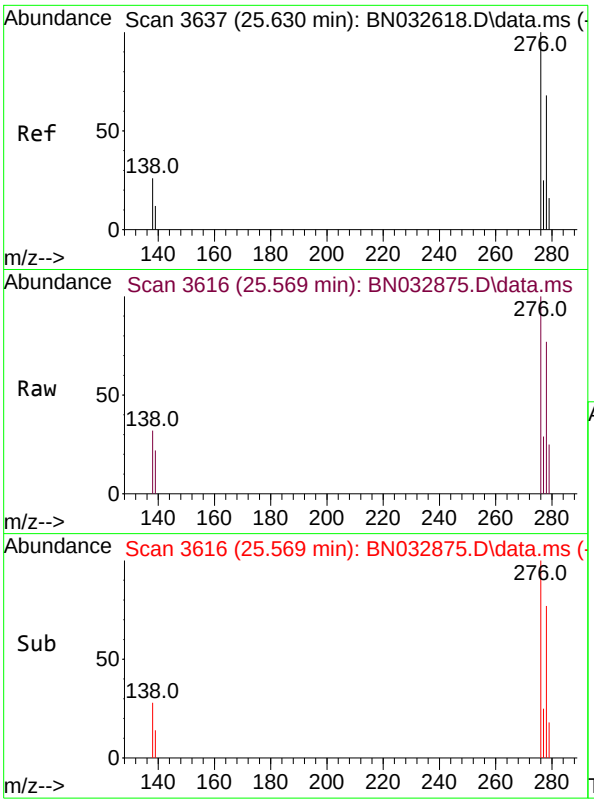


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.358 min Scan# 2860
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:264 Resp: 11334

Ion	Ratio	Lower	Upper
264	100		
260	27.0	20.9	31.3
265	80.5	85.4	128.2#



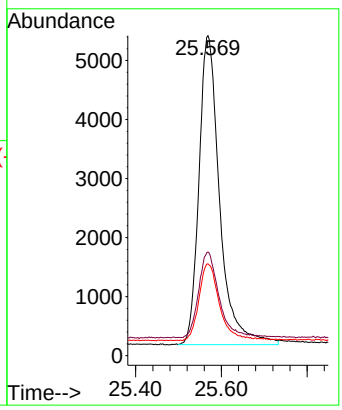


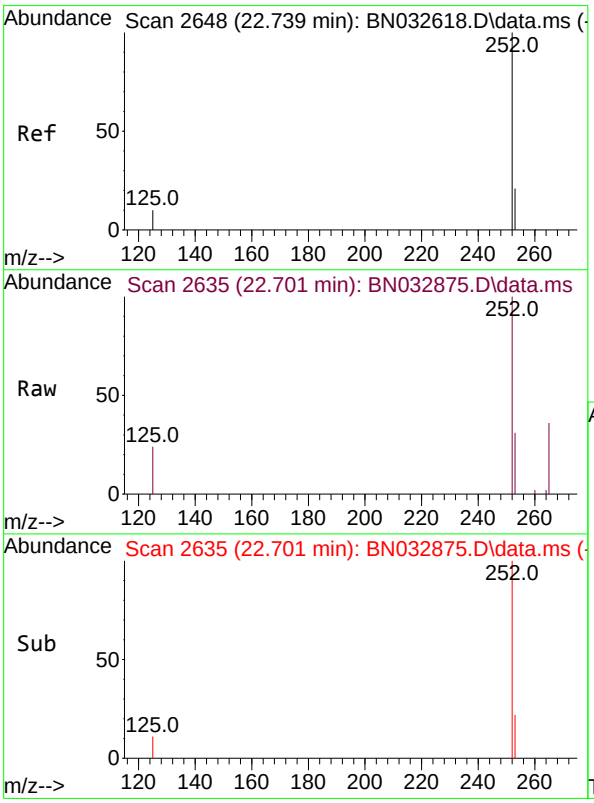
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.393 ng
RT: 25.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 17551

Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.0	31.4
277	24.5	19.5	29.3

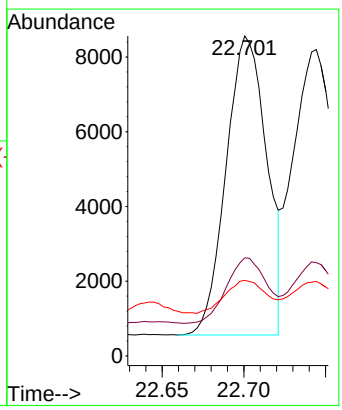


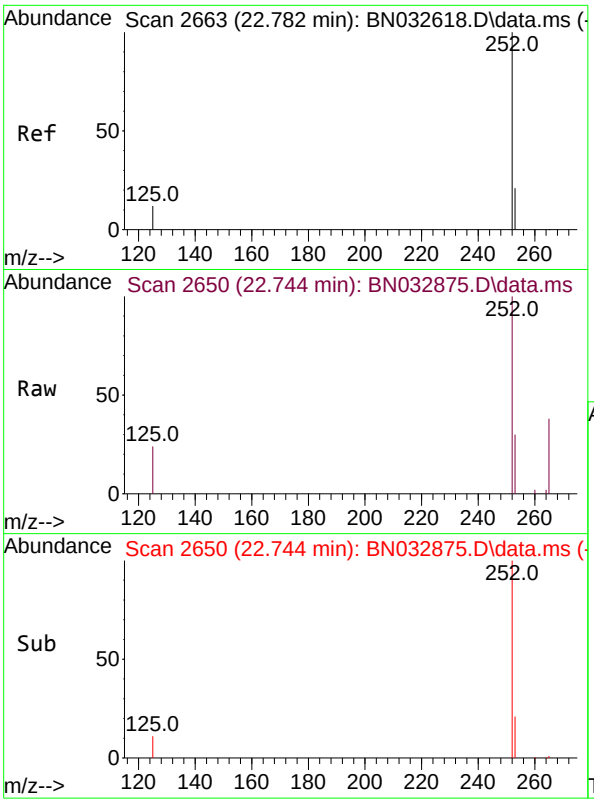


#37
Benzo(b)fluoranthene
Concen: 0.350 ng
RT: 22.701 min Scan# 2635
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:252 Resp: 13822

Ion	Ratio	Lower	Upper
252	100		
253	30.6	22.3	33.5
125	23.6	15.4	23.2#



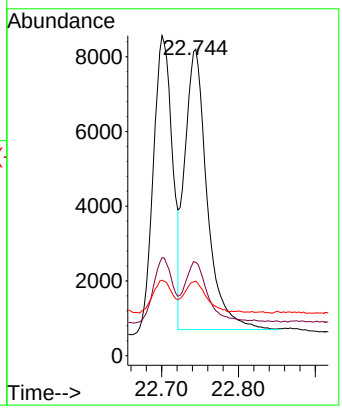


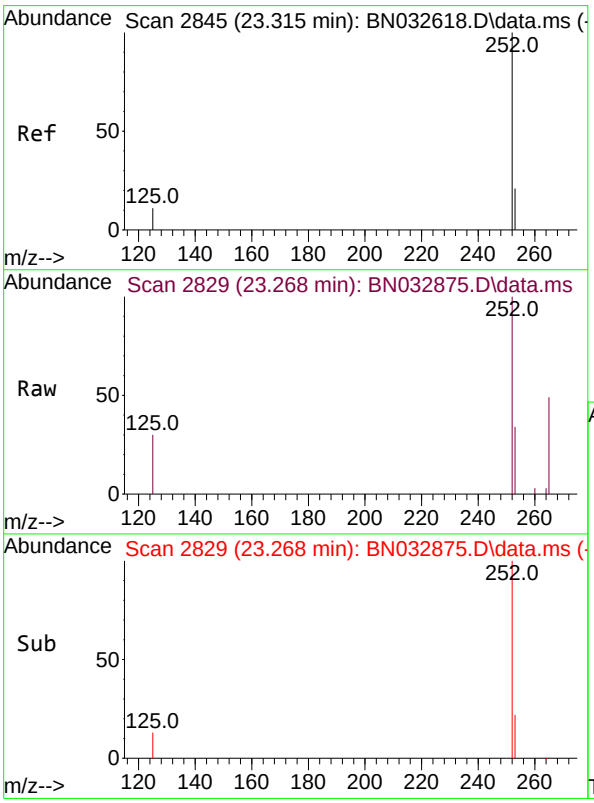
#38
Benzo(k)fluoranthene
Concen: 0.339 ng m
RT: 22.744 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 15310

Ion	Ratio	Lower	Upper
252	100		
253	30.4	22.6	34.0
125	24.3	16.2	24.4

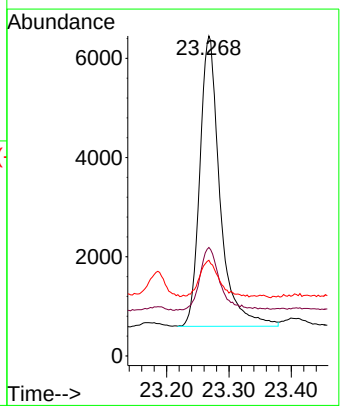


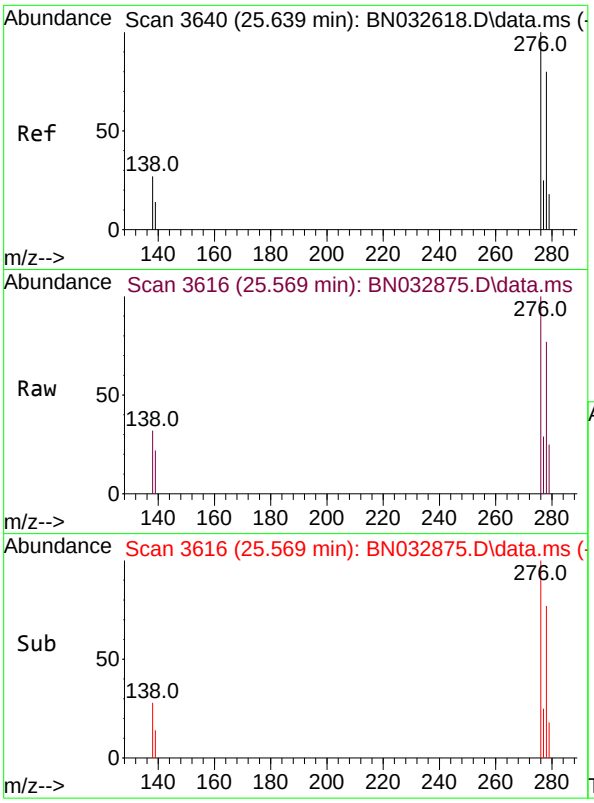


#39
Benzo(a)pyrene
Concen: 0.368 ng
RT: 23.268 min Scan# 2829
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:252 Resp: 13111

Ion	Ratio	Lower	Upper
252	100		
253	33.9	25.8	38.8
125	29.9	21.4	32.2



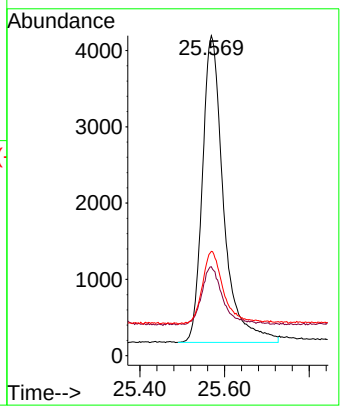


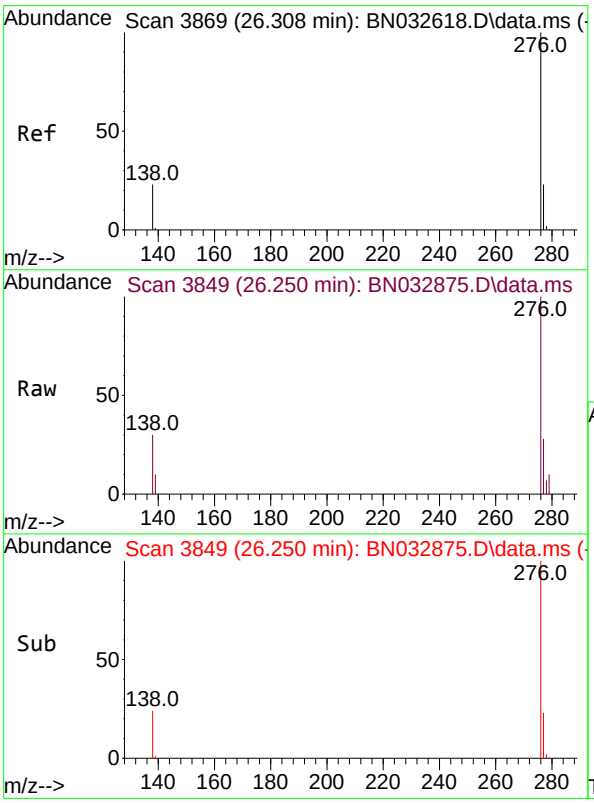
#40
Dibenzo(a,h)anthracene
Concen: 0.396 ng
RT: 25.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:278 Resp: 13978

Ion	Ratio	Lower	Upper
278	100		
139	27.8	16.7	25.1#
279	32.6	24.3	36.5





#41
Benzo(g,h,i)perylene
Concen: 0.378 ng
RT: 26.250 min Scan# 3849
Delta R.T. 0.000 min
Lab File: BN032875.D
Acq: 20 Jul 2024 14:10

Tgt Ion:276 Resp: 14778

Ion	Ratio	Lower	Upper
276	100		
277	28.3	20.2	30.2
138	29.5	20.5	30.7