Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081724\
Data File : BN033431.D
Acq On : 16 Aug 2024 15:26
Operator : MA/JU
Sample : P3440-03MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Quant Time: Aug 16 16:14:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 04:44:11 2024
Response via : Initial Calibration

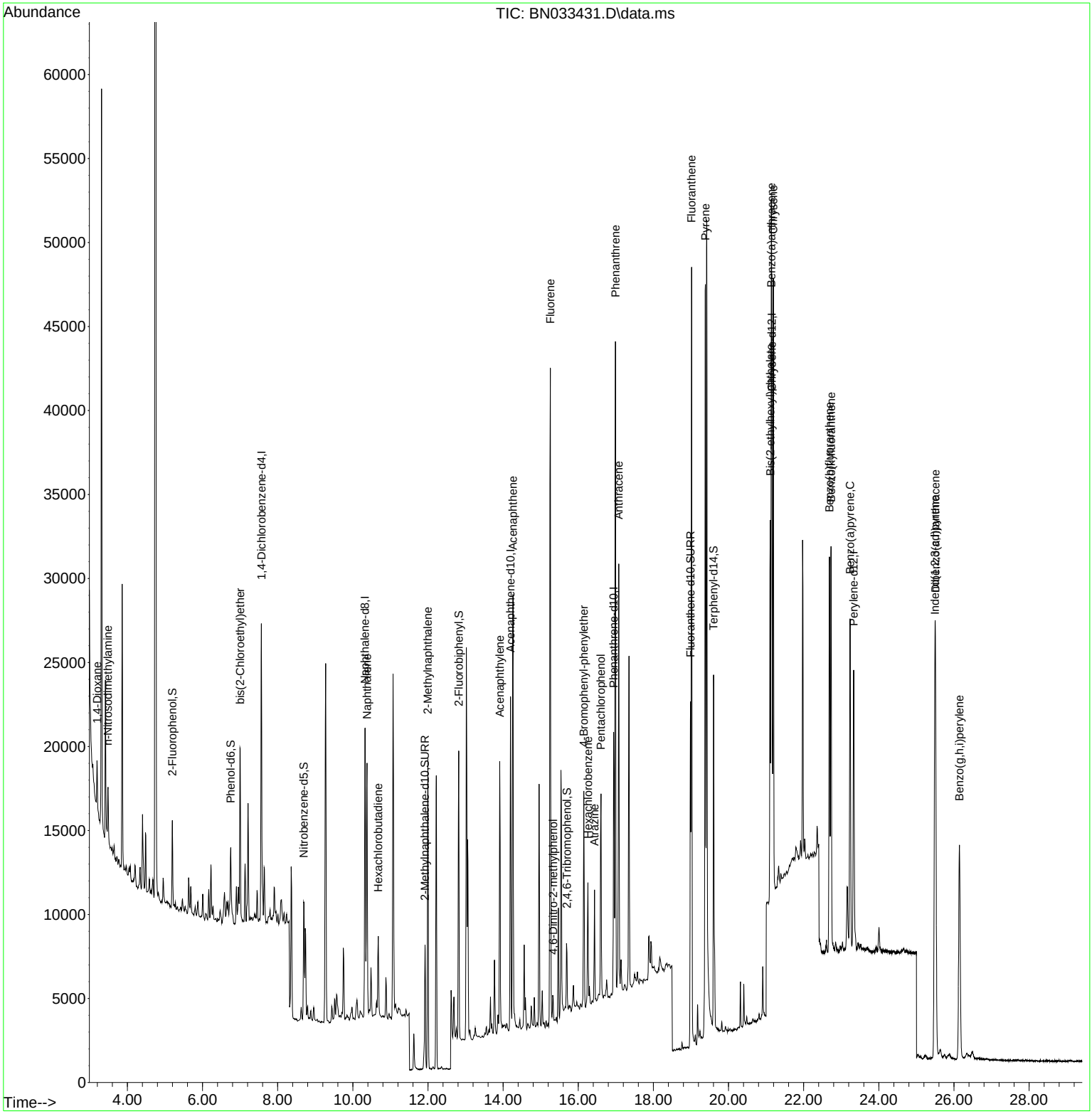
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.567	152	7664	0.400	ng	0.00
7) Naphthalene-d8	10.325	136	21239	0.400	ng	-0.01
13) Acenaphthene-d10	14.199	164	11079	0.400	ng	0.00
19) Phenanthrene-d10	16.942	188	21857	0.400	ng	#-0.01
29) Chrysene-d12	21.157	240	19351	0.400	ng	0.00
35) Perylene-d12	23.332	264	19851	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.198	112	3618	0.171	ng	0.00
5) Phenol-d6	6.750	99	2996	0.105	ng	0.00
8) Nitrobenzene-d5	8.691	82	5775	0.361	ng	-0.01
11) 2-Methylnaphthalene-d10	11.922	152	11281	0.345	ng	0.00
14) 2,4,6-Tribromophenol	15.700	330	2223	0.391	ng	0.00
15) 2-Fluorobiphenyl	12.820	172	14942	0.329	ng	0.00
27) Fluoranthene-d10	18.989	212	21362	0.366	ng	0.00
31) Terphenyl-d14	19.602	244	19006	0.520	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.197	88	1554	0.182	ng	# 40
3) n-Nitrosodimethylamine	3.479	42	1632	0.149	ng	# 89
6) bis(2-Chloroethyl)ether	7.003	93	7367	0.318	ng	98
9) Naphthalene	10.378	128	19457	0.332	ng	100
10) Hexachlorobutadiene	10.677	225	3351	0.300	ng	# 100
12) 2-Methylnaphthalene	11.998	142	12938	0.327	ng	100
16) Acenaphthylene	13.911	152	17605	0.340	ng	100
17) Acenaphthene	14.263	154	13167	0.371	ng	98
18) Fluorene	15.258	166	18815	0.402	ng	95
20) 4,6-Dinitro-2-methylph...	15.333	198	1167	0.440	ng	# 89
21) 4-Bromophenyl-phenylether	16.147	248	4968	0.380	ng	93
22) Hexachlorobenzene	16.259	284	5279	0.360	ng	99
23) Atrazine	16.433	200	4470	0.431	ng	# 96
24) Pentachlorophenol	16.607	266	6062	1.023	ng	99
25) Phenanthrene	16.991	178	40066	0.635	ng	100
26) Anthracene	17.078	178	24622	0.441	ng	99
28) Fluoranthene	19.017	202	41355	0.532	ng	100
30) Pyrene	19.384	202	39008	0.506	ng	98
32) Benzo(a)anthracene	21.139	228	30727	0.425	ng	99
33) Chrysene	21.193	228	28823	0.396	ng	96
34) Bis(2-ethylhexyl)phtha...	21.112	149	18858	0.574	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.493	276	31340	0.382	ng	97
37) Benzo(b)fluoranthene	22.686	252	29539	0.395	ng	# 91
38) Benzo(k)fluoranthene	22.730	252	27627	0.362	ng	# 91
39) Benzo(a)pyrene	23.236	252	25751	0.409	ng	# 89
40) Dibenzo(a,h)anthracene	25.507	278	23895	0.369	ng	96
41) Benzo(g,h,i)perylene	26.148	276	24531	0.341	ng	98

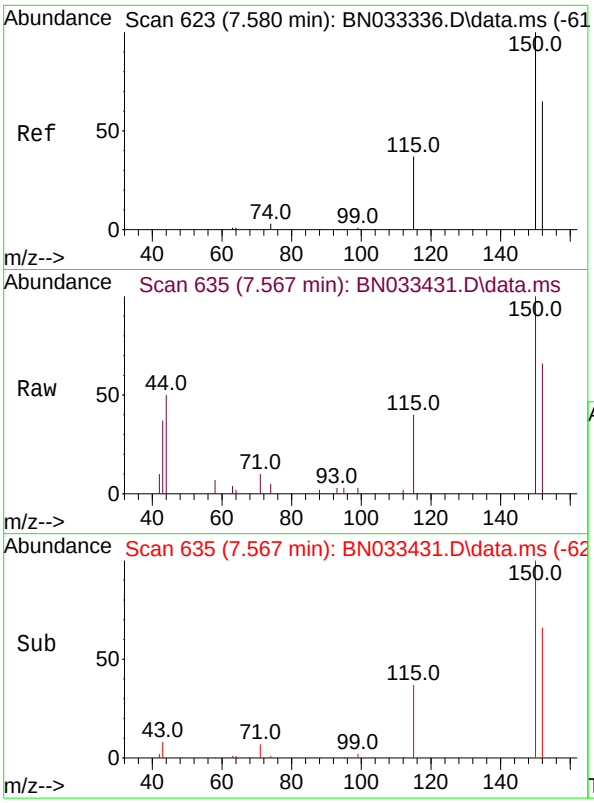
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081724\
Data File : BN033431.D
Acq On : 16 Aug 2024 15:26
Operator : MA/JU
Sample : P3440-03MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Quant Time: Aug 16 16:14:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 04:44:11 2024
Response via : Initial Calibration



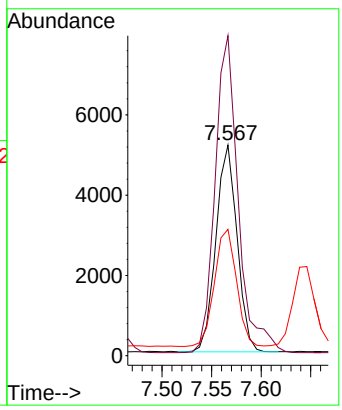


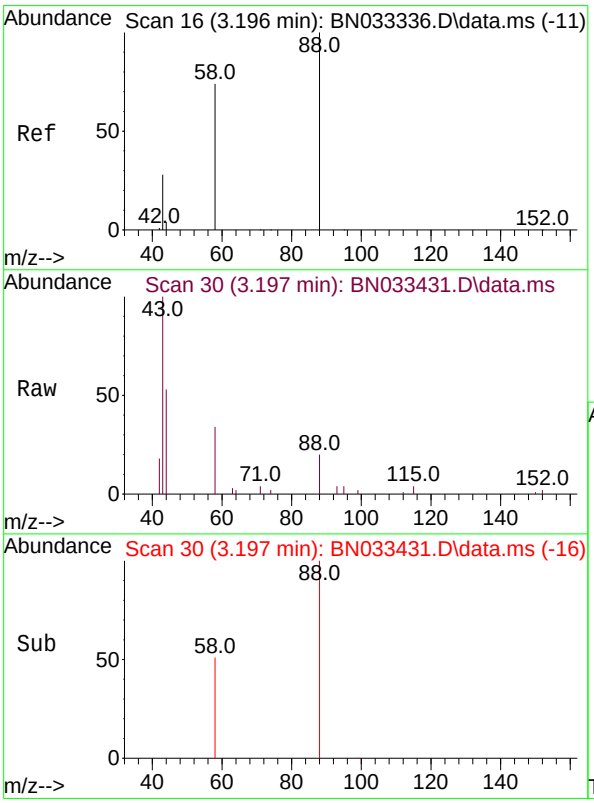
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.567 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:152 Resp: 7664

Ion	Ratio	Lower	Upper
152	100		
150	152.0	122.3	183.5
115	60.1	48.8	73.2

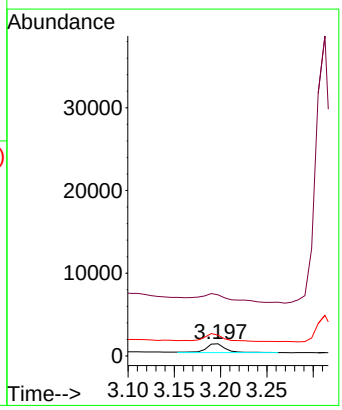


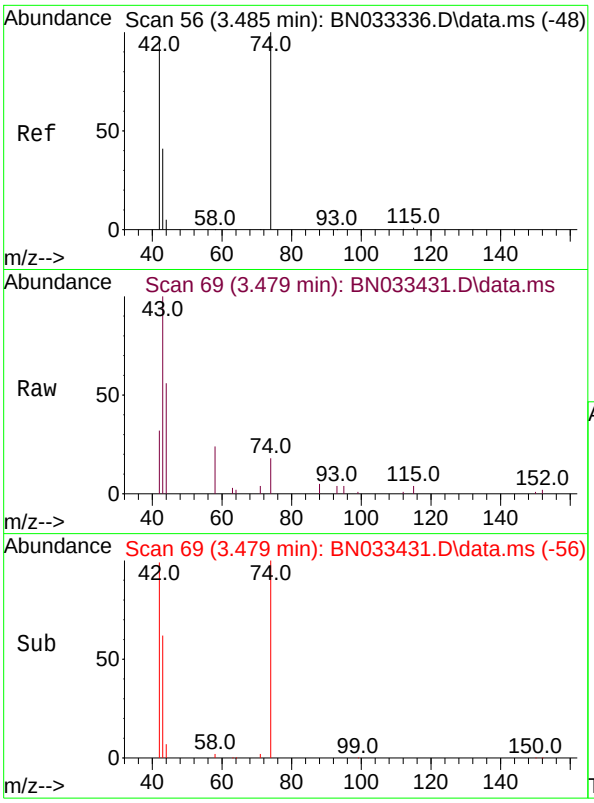


#2
1,4-Dioxane
Concen: 0.182 ng
RT: 3.197 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion: 88 Resp: 1554

Ion	Ratio	Lower	Upper
88	100		
43	137.7	30.6	46.0#
58	89.5	64.5	96.7



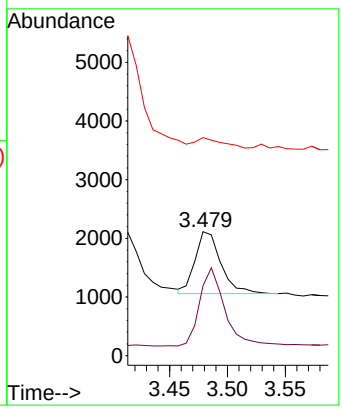


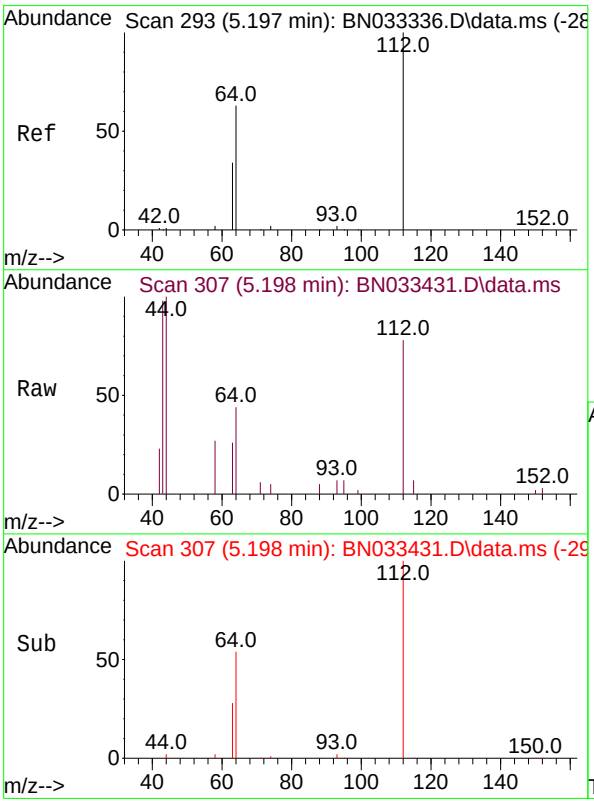
#3
n-Nitrosodimethylamine
Concen: 0.149 ng
RT: 3.479 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion: 42 Resp: 1632

Ion	Ratio	Lower	Upper
42	100		
74	123.5	89.0	133.6
44	16.7	11.0	16.4#

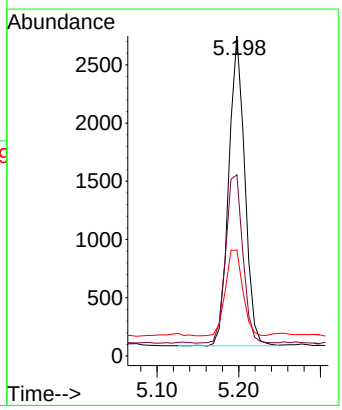


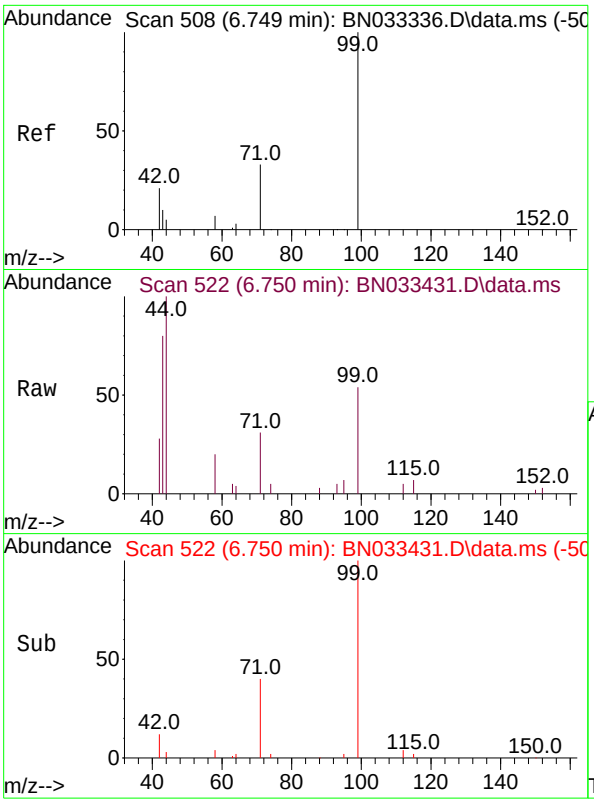


#4
2-Fluorophenol
Concen: 0.171 ng
RT: 5.198 min Scan# 307
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:112 Resp: 3618

Ion	Ratio	Lower	Upper
112	100		
64	58.1	48.1	72.1
63	30.1	25.4	38.2



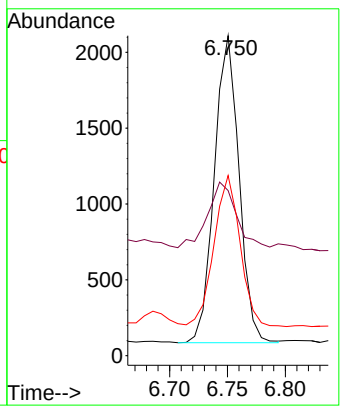


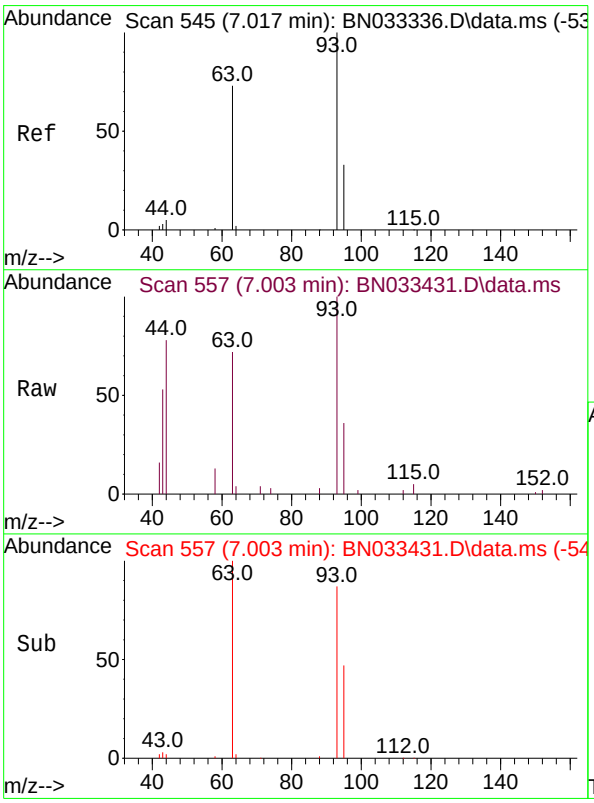
#5
Phenol-d6
Concen: 0.105 ng
RT: 6.750 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion: 99 Resp: 2996

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.5	27.7
71	52.2	26.2	39.2#

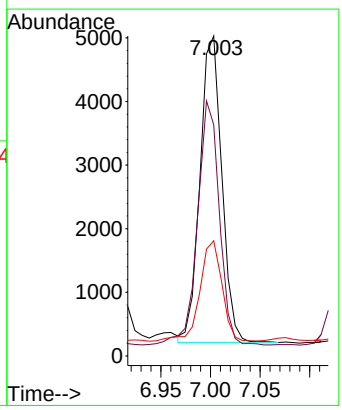


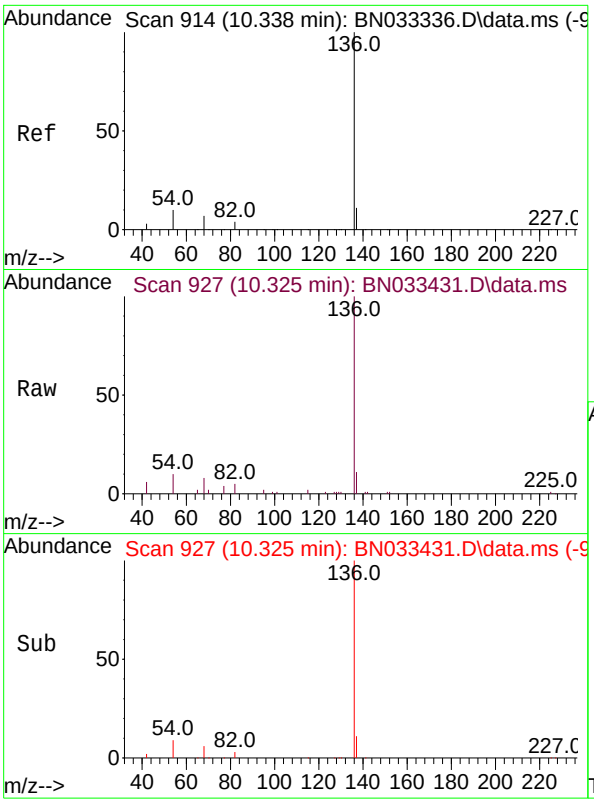


#6
bis(2-Chloroethyl)ether
Concen: 0.318 ng
RT: 7.003 min Scan# 557
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion: 93 Resp: 7367

Ion	Ratio	Lower	Upper
93	100		
63	79.9	65.2	97.8
95	33.3	26.2	39.4



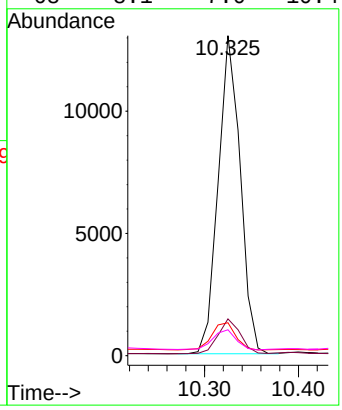


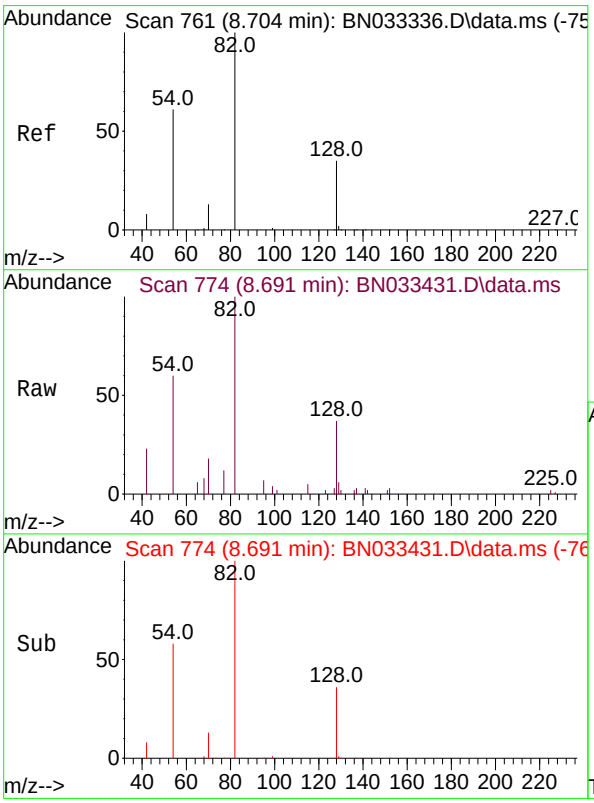
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.325 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:136 Resp: 21239

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	10.3	9.4	14.0
68	8.1	7.0	10.4

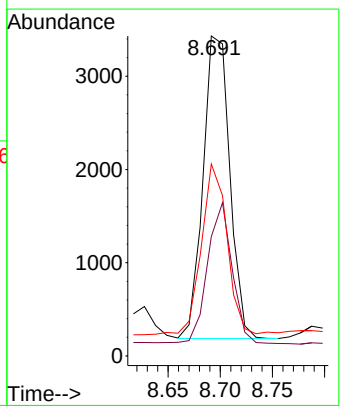


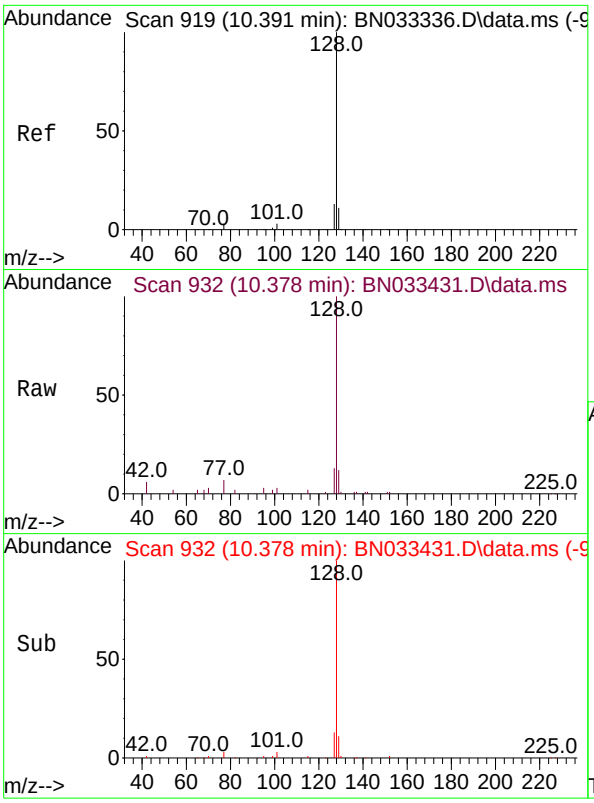


#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 8.691 min Scan# 774
Delta R.T. -0.011 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion: 82 Resp: 5775

Ion	Ratio	Lower	Upper
82	100		
128	37.3	29.0	43.4
54	60.0	50.2	75.4



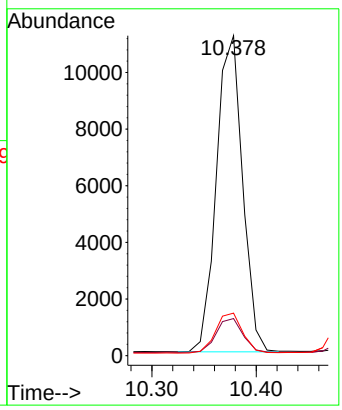


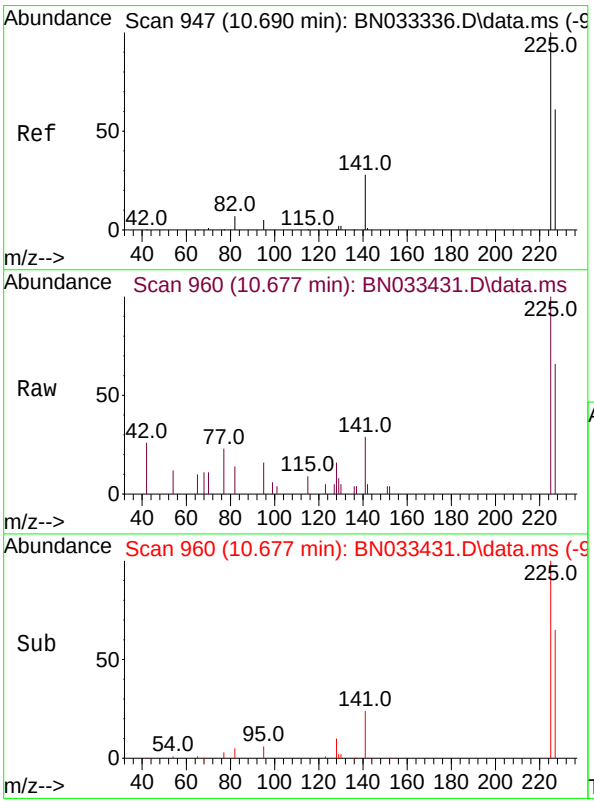
#9
Naphthalene
Concen: 0.332 ng
RT: 10.378 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:128 Resp: 19457

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.3	10.6	15.8

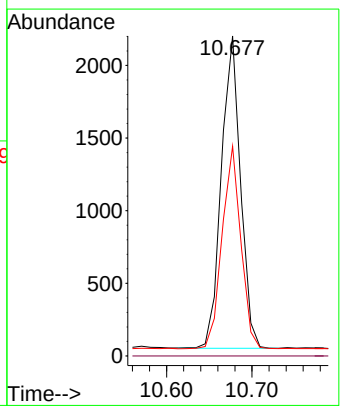


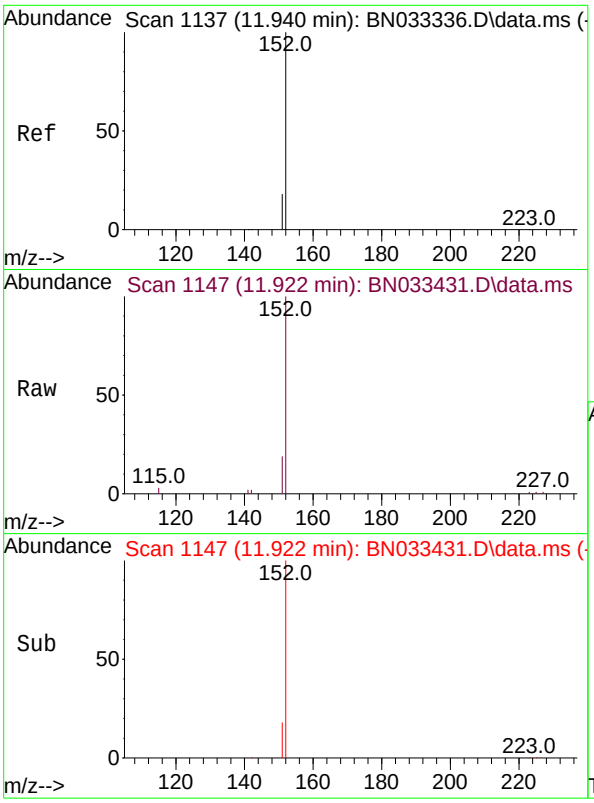


#10
Hexachlorobutadiene
Concen: 0.300 ng
RT: 10.677 min Scan# 960
Delta R.T. -0.011 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:225 Resp: 3351

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	50.8	76.2



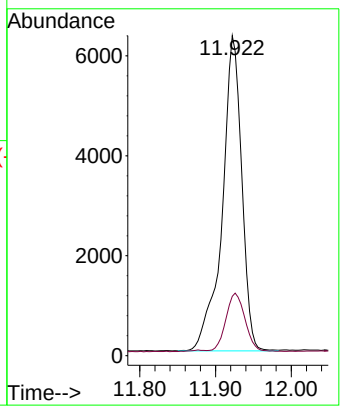


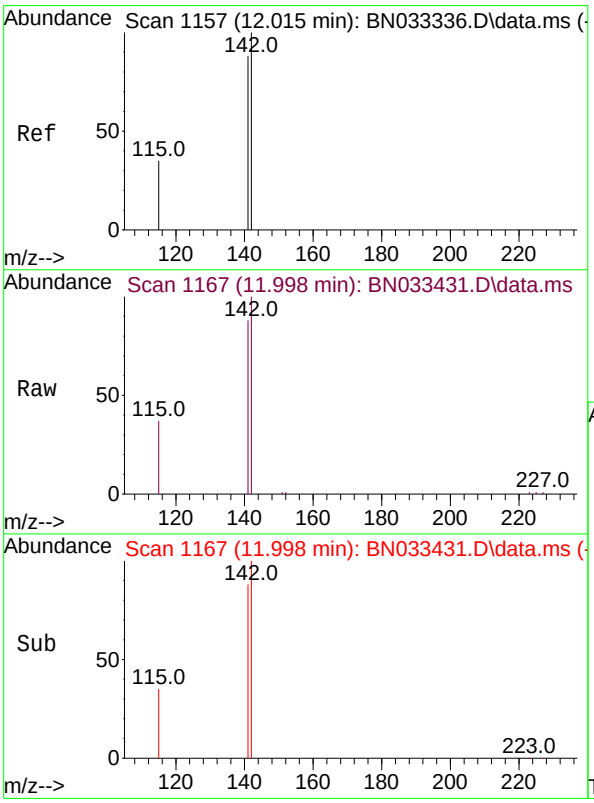
#11
2-Methylnaphthalene-d10
Concen: 0.345 ng
RT: 11.922 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:152 Resp: 11281

Ion	Ratio	Lower	Upper
152	100		
151	18.1	16.7	25.1

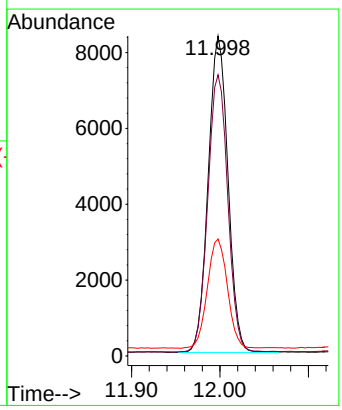


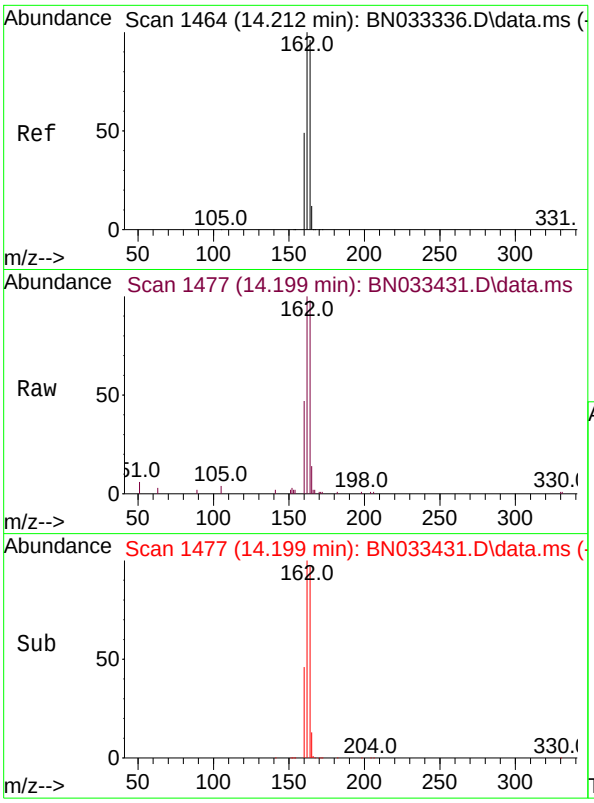


#12
2-Methylnaphthalene
Concen: 0.327 ng
RT: 11.998 min Scan# 1167
Delta R.T. -0.008 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:142 Resp: 12938

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.2	105.4
115	36.6	29.3	43.9



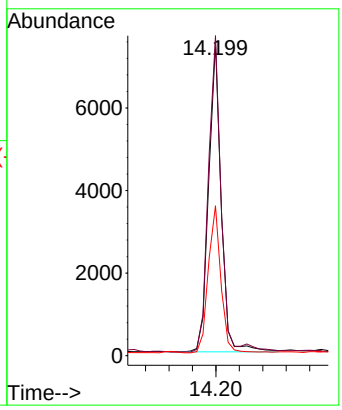


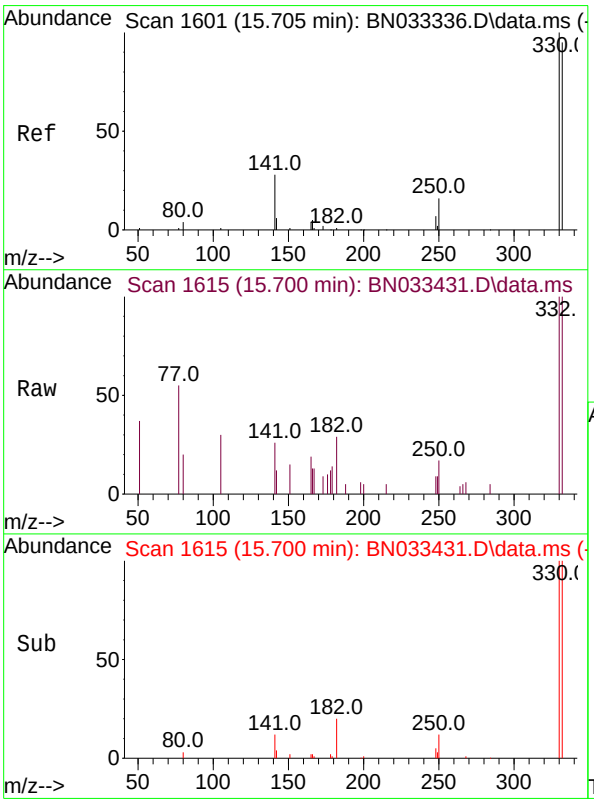
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.199 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:164 Resp: 11079

Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.1	124.7
160	47.9	41.1	61.7

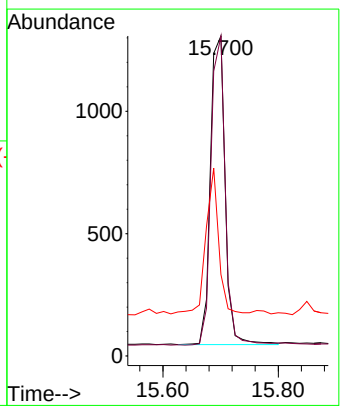


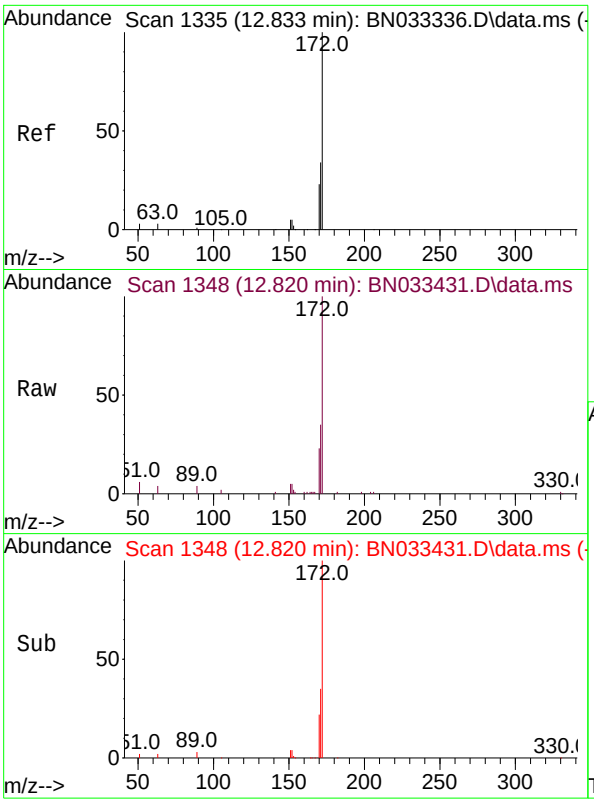


#14
2,4,6-Tribromophenol
Concen: 0.391 ng
RT: 15.700 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:330 Resp: 2223

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	39.6	33.4	50.0



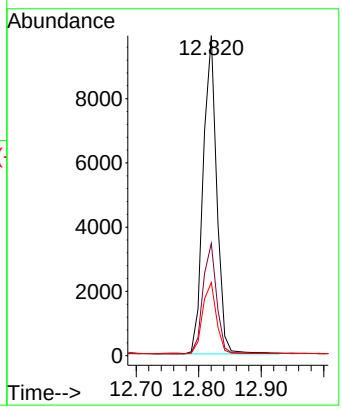


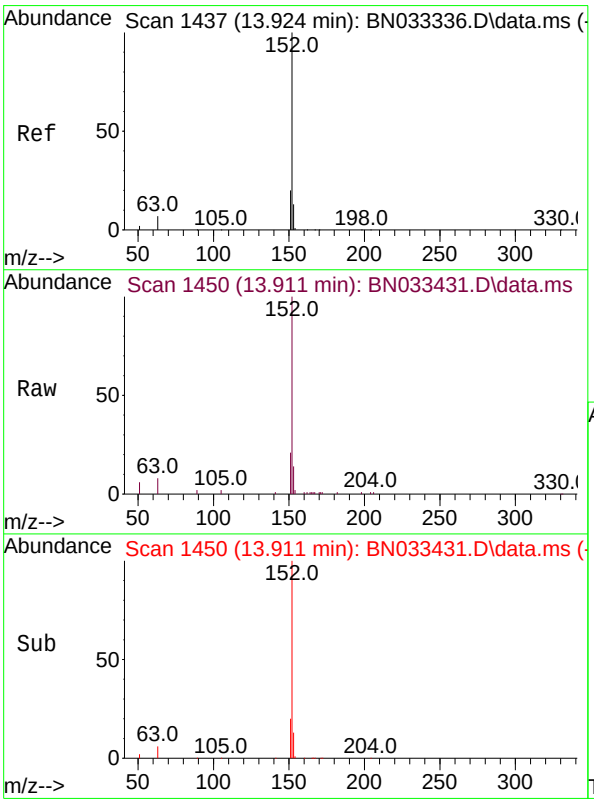
#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 12.820 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:172 Resp: 14942

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.8
170	22.9	18.7	28.1

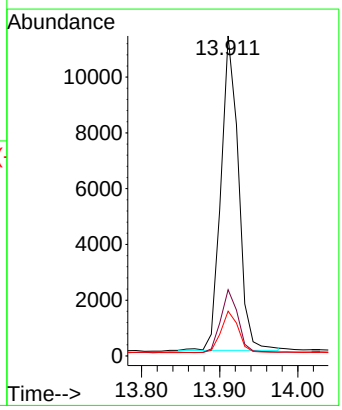


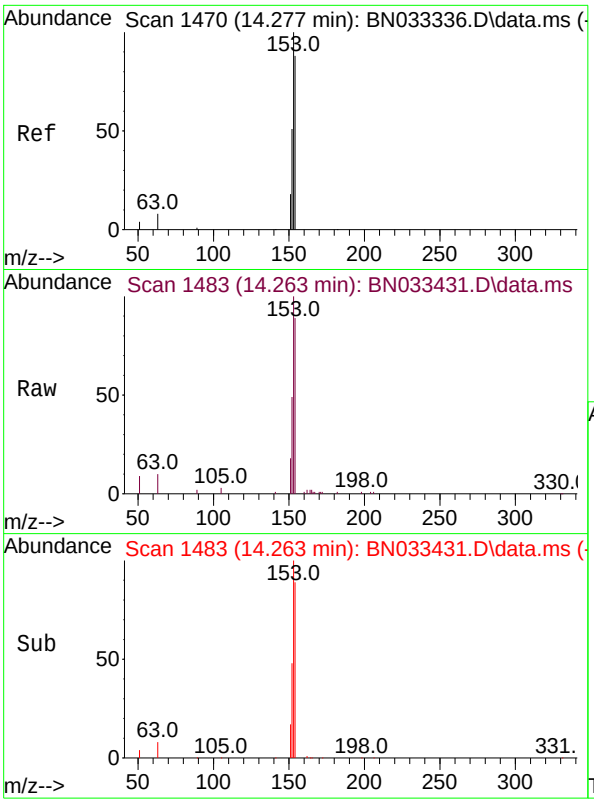


#16
Acenaphthylene
Concen: 0.340 ng
RT: 13.911 min Scan# 1450
Delta R.T. -0.011 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:152 Resp: 17605

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.1	10.4	15.6



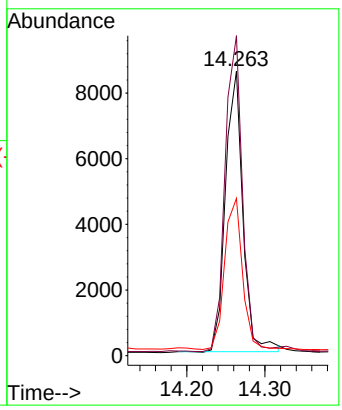


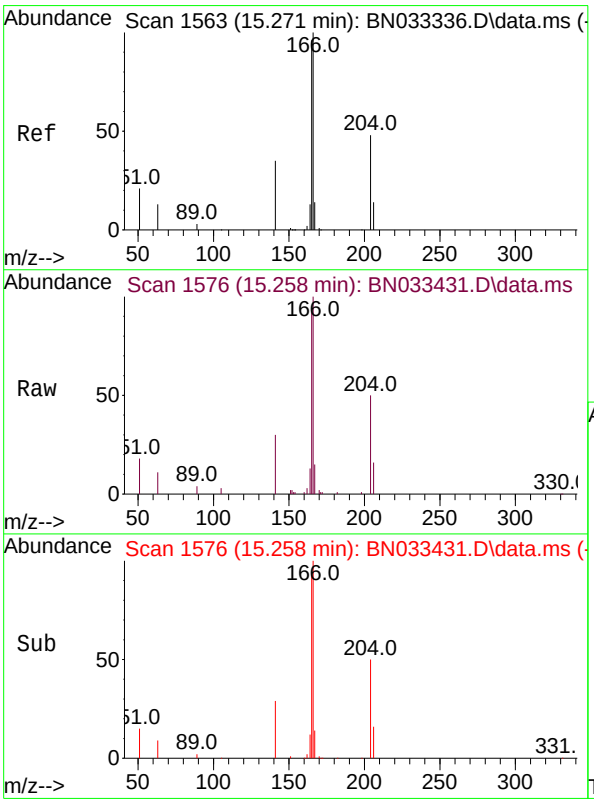
#17
Acenaphthene
Concen: 0.371 ng
RT: 14.263 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:154 Resp: 13167

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.7	134.5
152	55.2	47.2	70.8

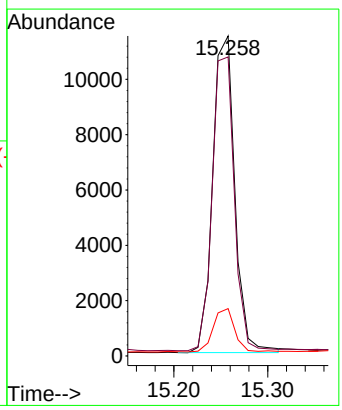


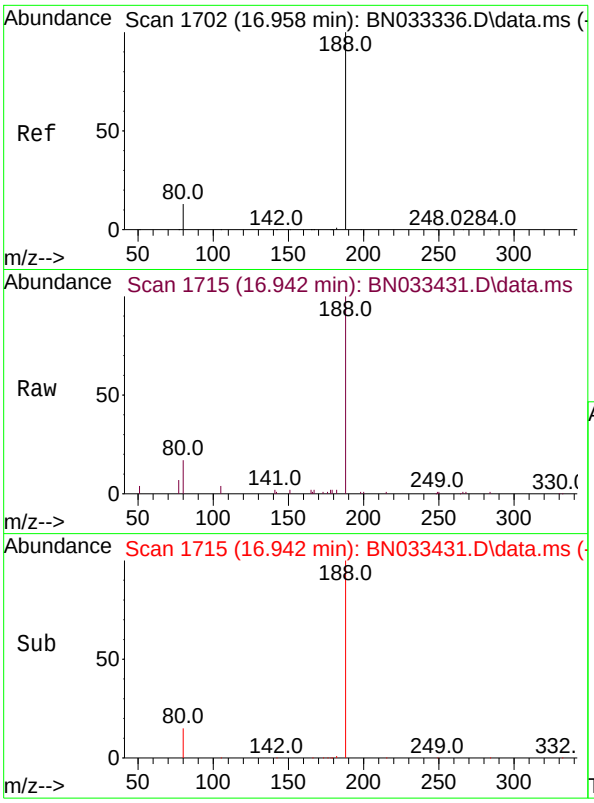


#18
Fluorene
Concen: 0.402 ng
RT: 15.258 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:166 Resp: 18815

Ion	Ratio	Lower	Upper
166	100		
165	92.0	78.0	117.0
167	13.4	10.7	16.1





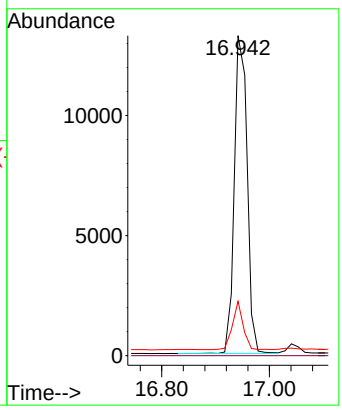
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.942 min Scan# 1

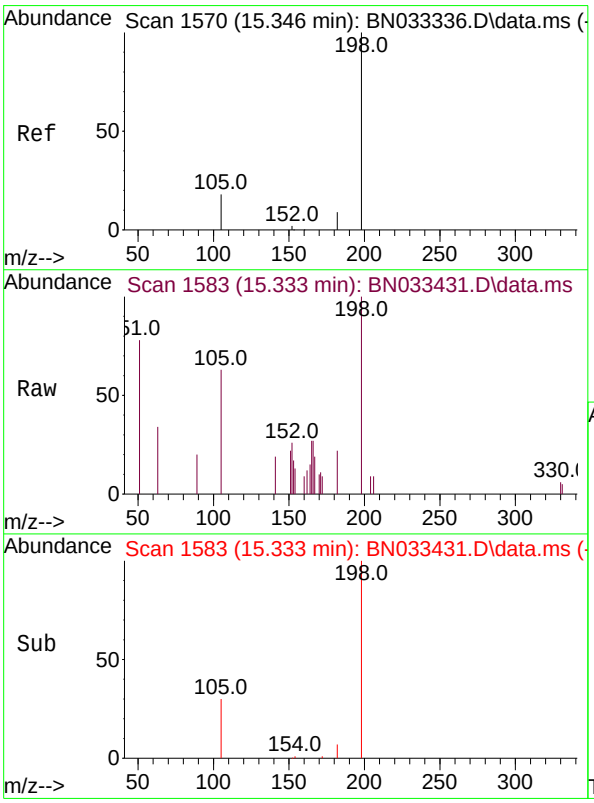
Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Delta R.T. -0.012 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:188 Resp: 21857

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	17.0	10.7	16.1#

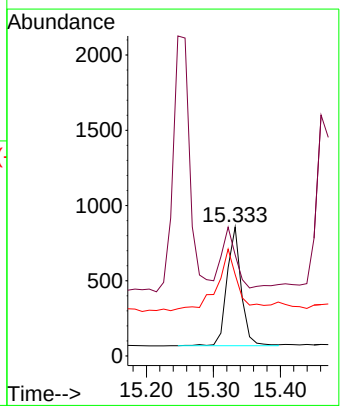


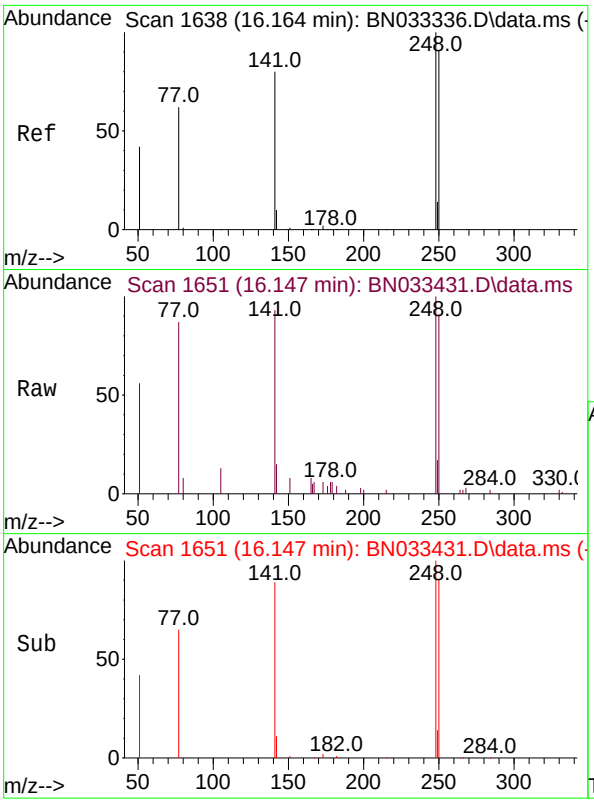


#20
4,6-Dinitro-2-methylphenol
Concen: 0.440 ng
RT: 15.333 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:198 Resp: 1167

Ion	Ratio	Lower	Upper
198	100		
51	78.4	62.8	94.2
105	63.1	34.1	51.1#



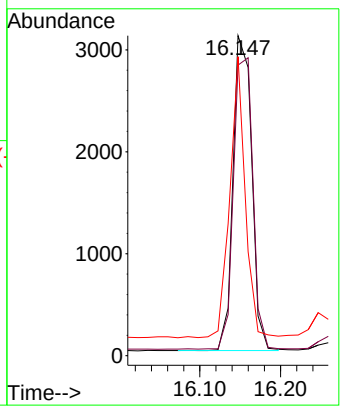


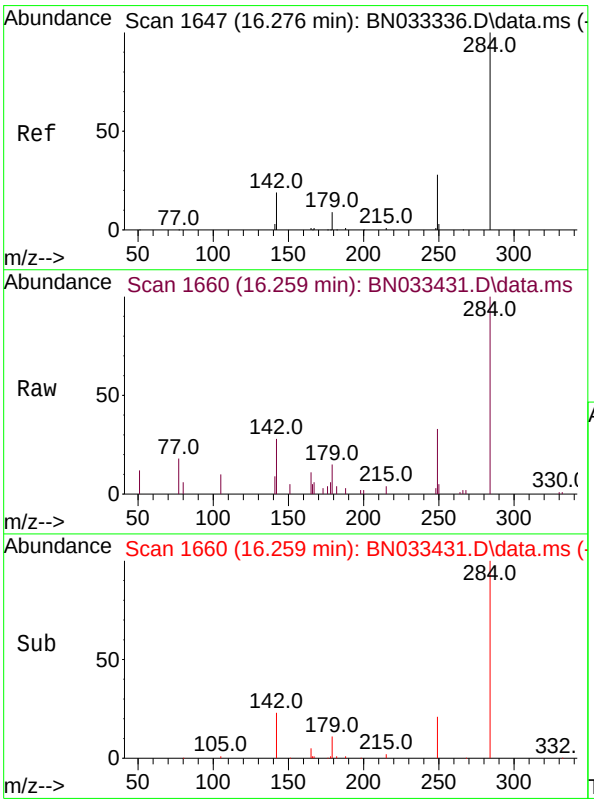
#21
4-Bromophenyl-phenylether
Concen: 0.380 ng
RT: 16.147 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:248 Resp: 4968

Ion	Ratio	Lower	Upper
248	100		
250	90.8	73.0	109.4
141	93.4	64.6	96.8

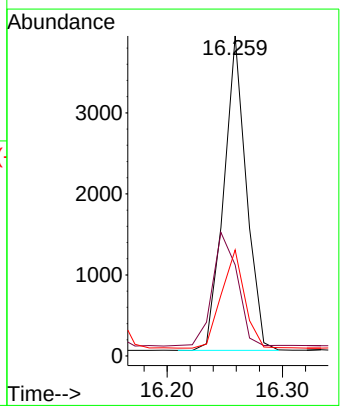


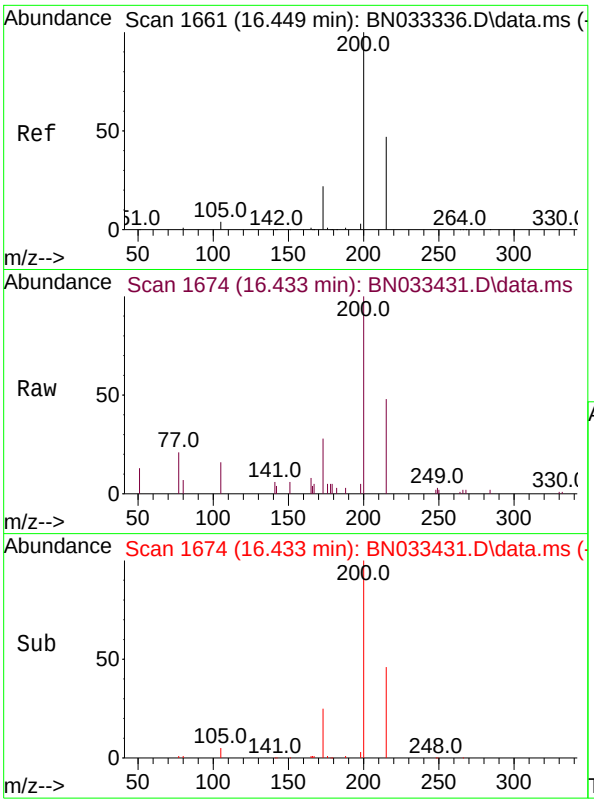


#22
Hexachlorobenzene
Concen: 0.360 ng
RT: 16.259 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:284 Resp: 5279

Ion	Ratio	Lower	Upper
284	100		
142	39.8	32.2	48.4
249	32.1	25.3	37.9



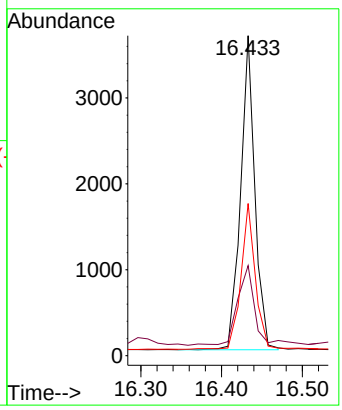


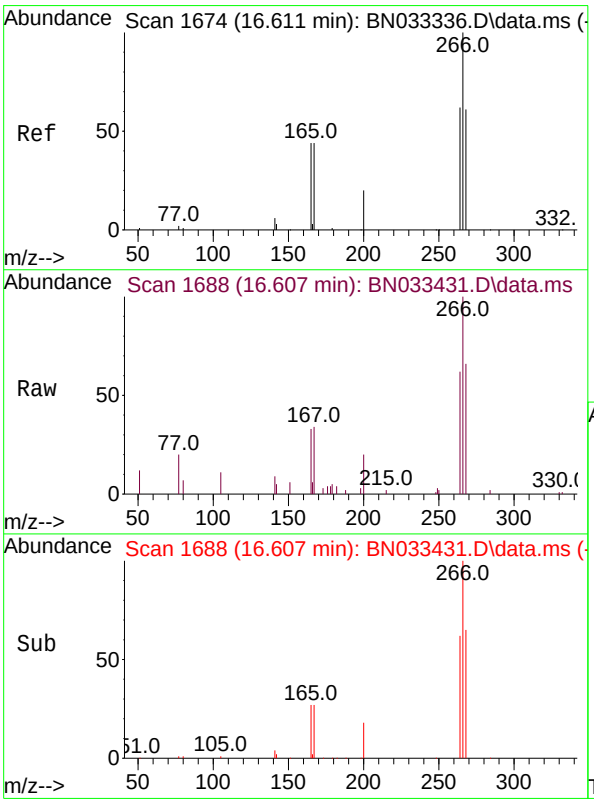
#23
Atrazine
Concen: 0.431 ng
RT: 16.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:200 Resp: 4470

Ion	Ratio	Lower	Upper
200	100		
173	28.2	18.7	28.1#
215	47.5	38.6	58.0

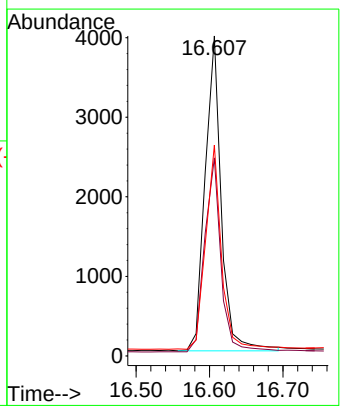


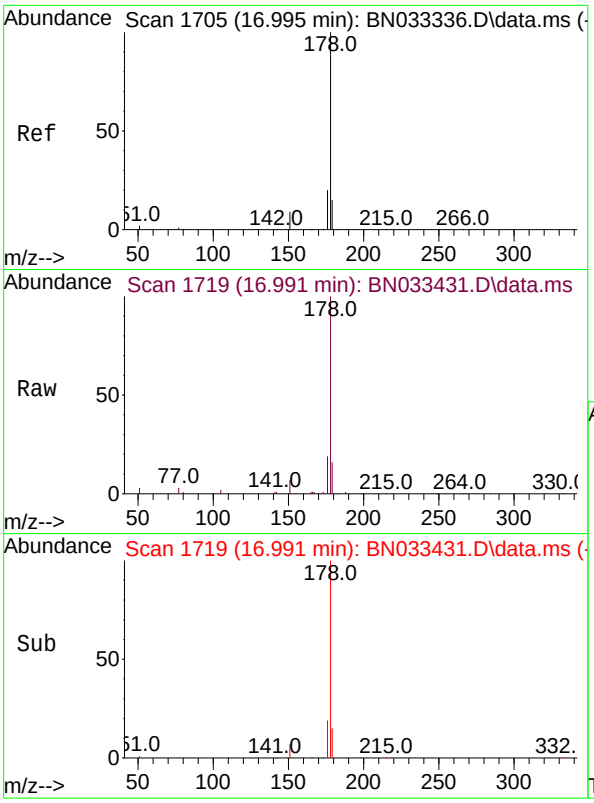


#24
Pentachlorophenol
Concen: 1.023 ng
RT: 16.607 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:266 Resp: 6062

Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.2	73.8
268	62.8	51.2	76.8



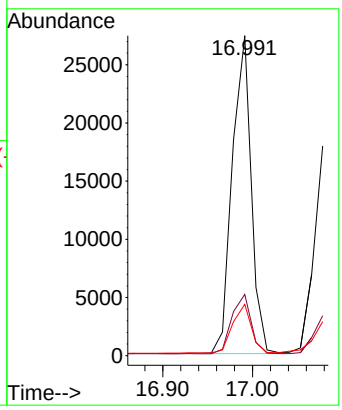


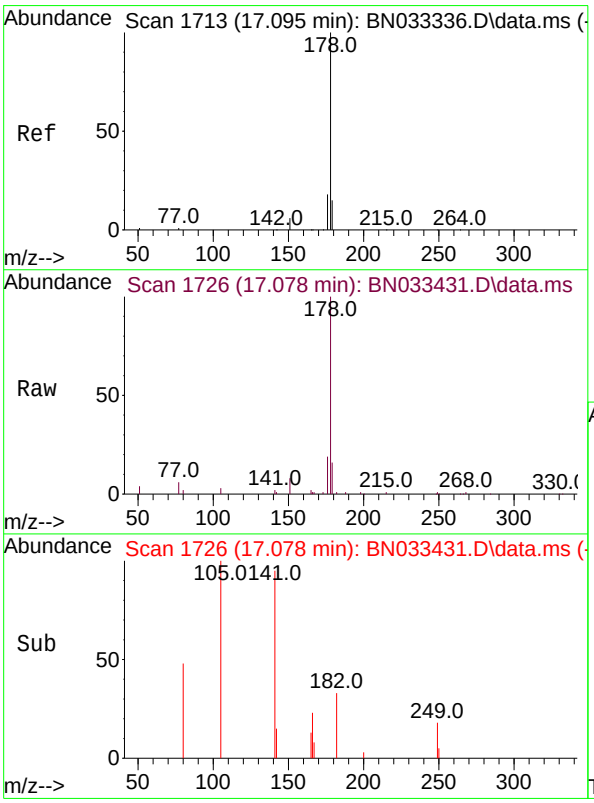
#25
Phenanthrene
Concen: 0.635 ng
RT: 16.991 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:178 Resp: 40066

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.3	12.2	18.2

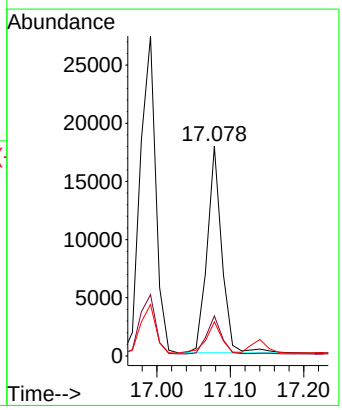


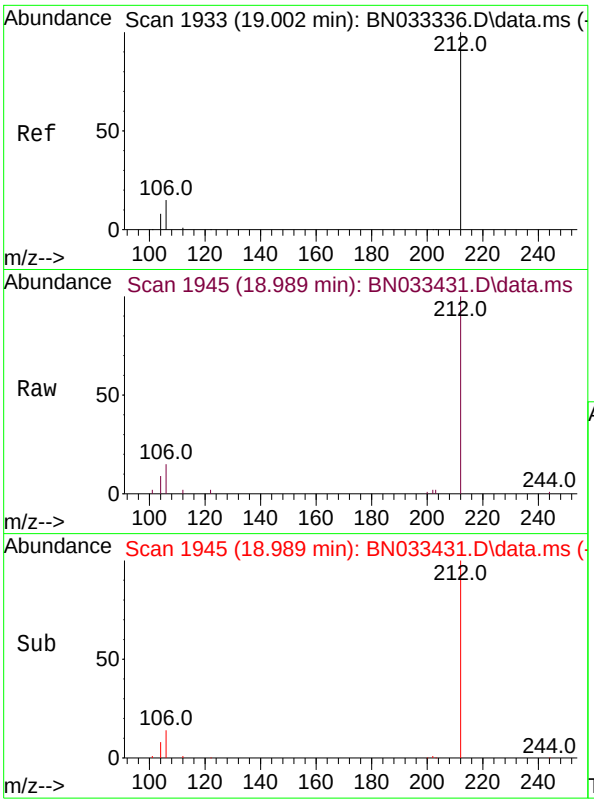


#26
Anthracene
Concen: 0.441 ng
RT: 17.078 min Scan# 1726
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:178 Resp: 24622

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.8	12.2	18.2



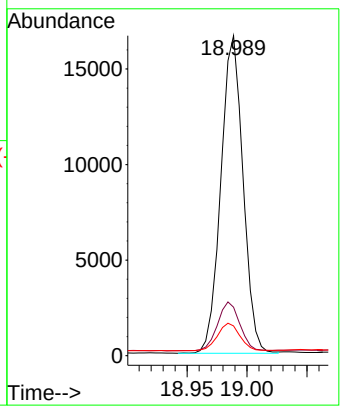


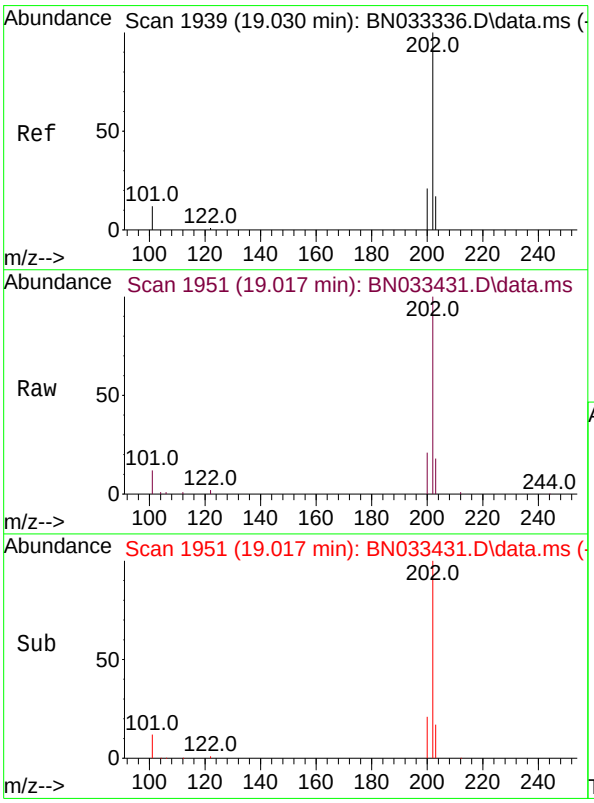
#27
Fluoranthene-d10
Concen: 0.366 ng
RT: 18.989 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:212 Resp: 21362

Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.8	19.2
104	8.9	7.1	10.7

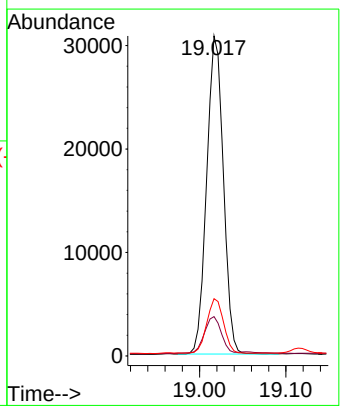


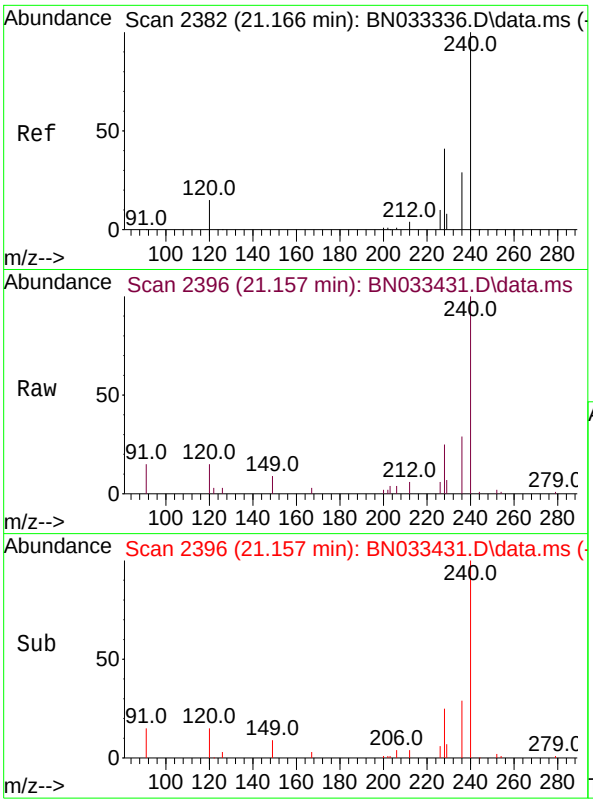


#28
Fluoranthene
Concen: 0.532 ng
RT: 19.017 min Scan# 1951
Delta R.T. -0.005 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:202 Resp: 41355

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.8	14.6
203	17.1	13.8	20.6



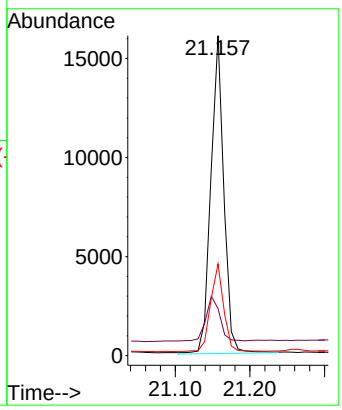


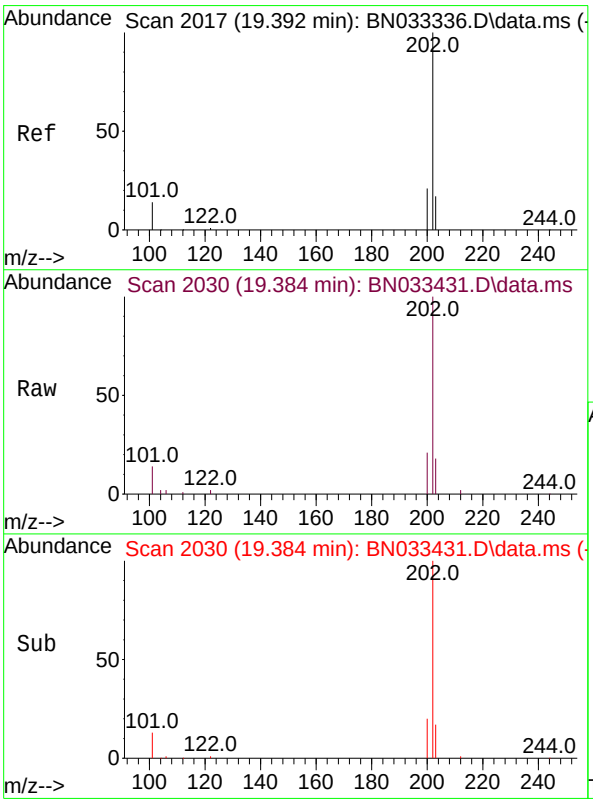
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:240 Resp: 19351

Ion	Ratio	Lower	Upper
240	100		
120	14.7	13.0	19.6
236	28.7	23.2	34.8

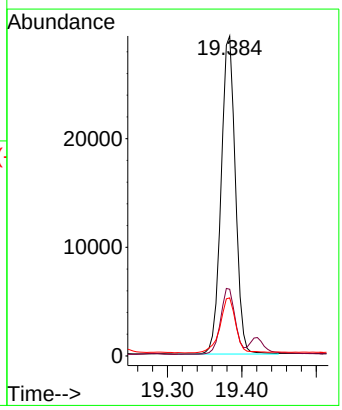


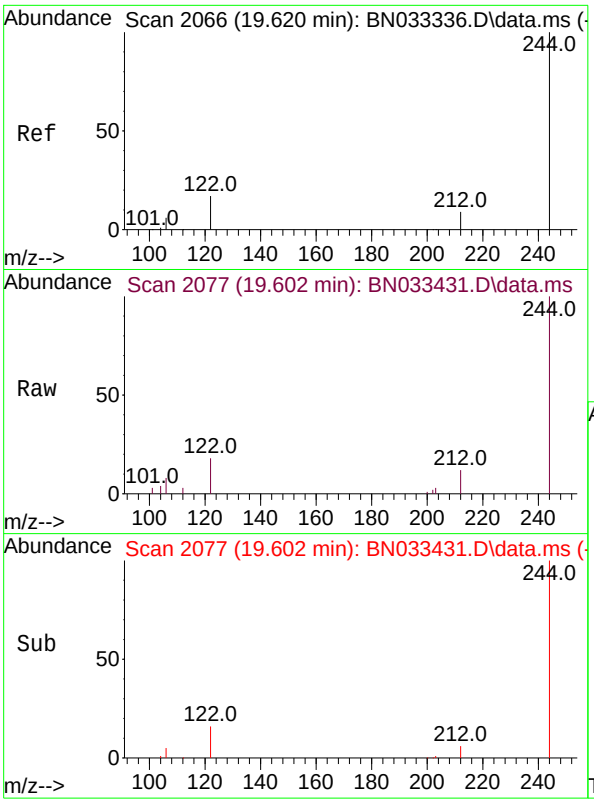


#30
Pyrene
Concen: 0.506 ng
RT: 19.384 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:202 Resp: 39008

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	19.3	14.2	21.4



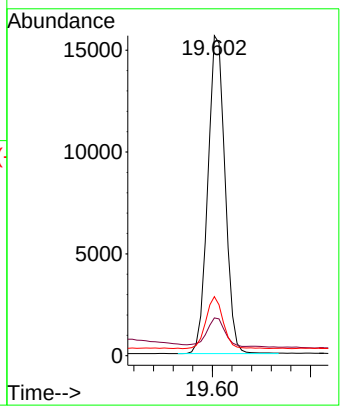


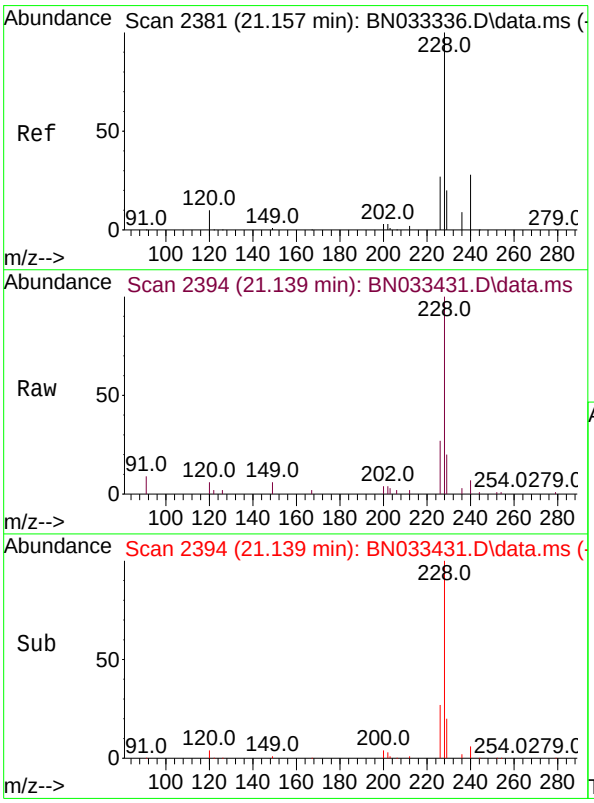
#31
Terphenyl-d14
Concen: 0.520 ng
RT: 19.602 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:244 Resp: 19006

Ion	Ratio	Lower	Upper
244	100		
212	11.8	7.7	11.5#
122	18.5	14.0	21.0

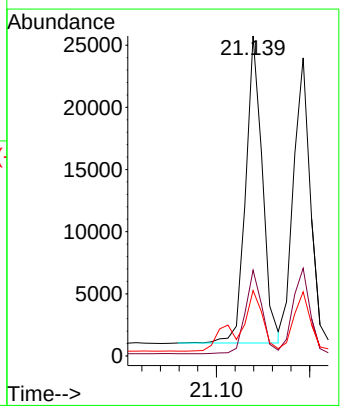


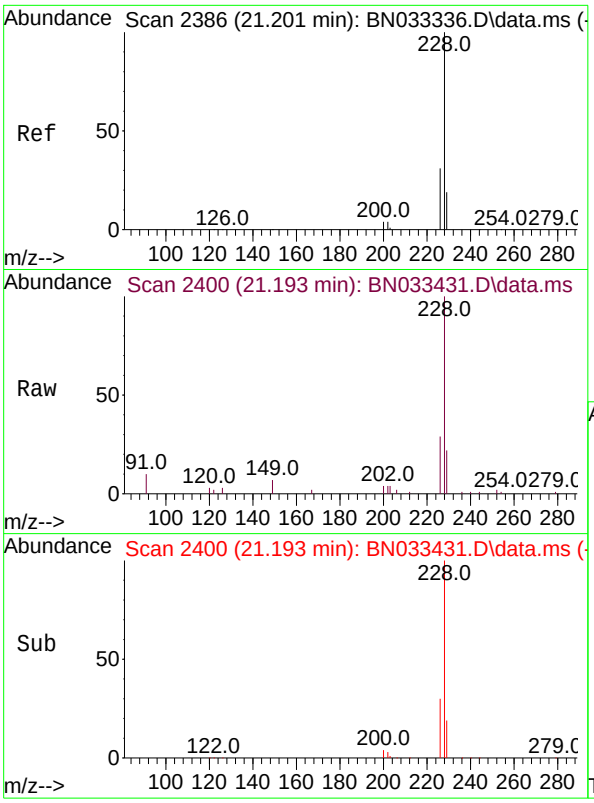


#32
Benzo(a)anthracene
Concen: 0.425 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:228 Resp: 30727

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.6	32.4
229	20.4	15.9	23.9



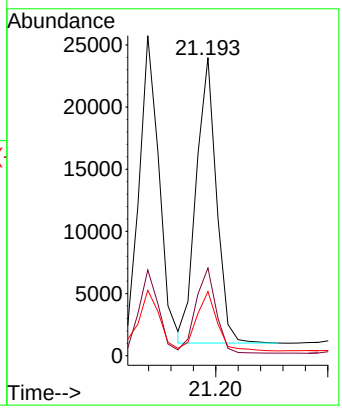


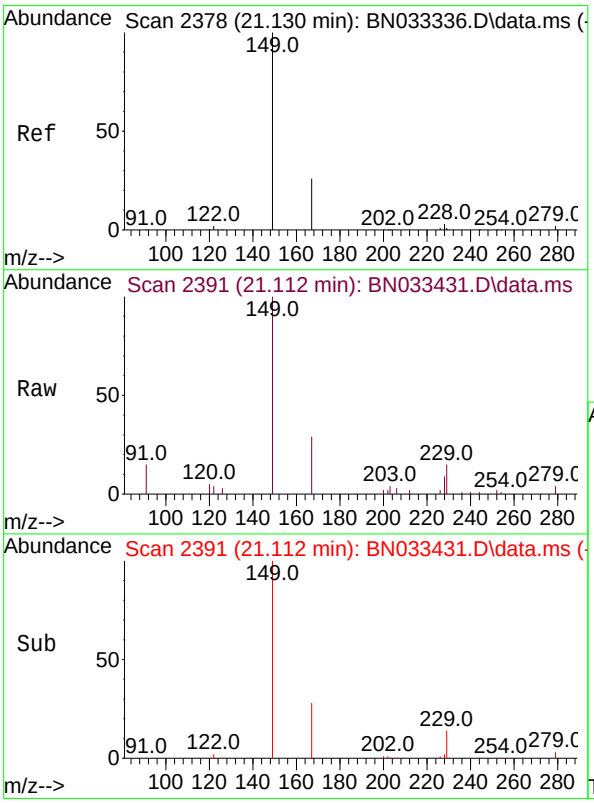
#33
Chrysene
Concen: 0.396 ng
RT: 21.193 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:228 Resp: 28823

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.7	37.1
229	21.5	15.4	23.2

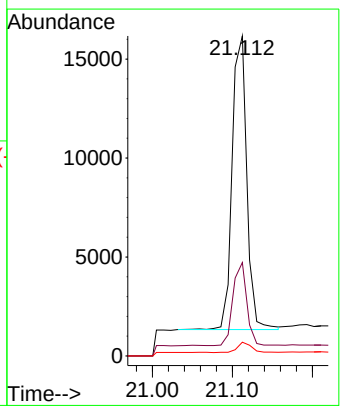


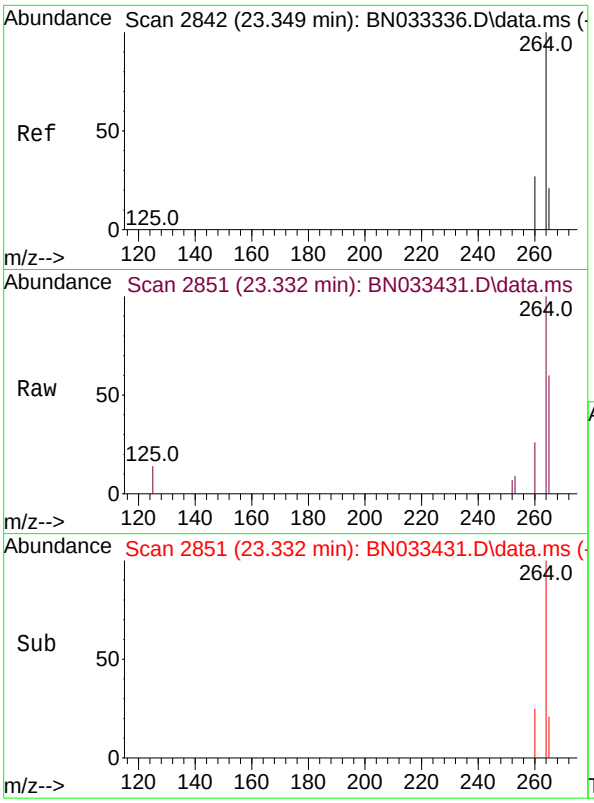


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.574 ng
RT: 21.112 min Scan# 2391
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:149 Resp: 18858

Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.9	31.3
279	3.5	2.2	3.4#



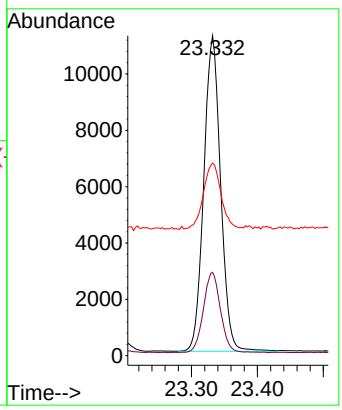


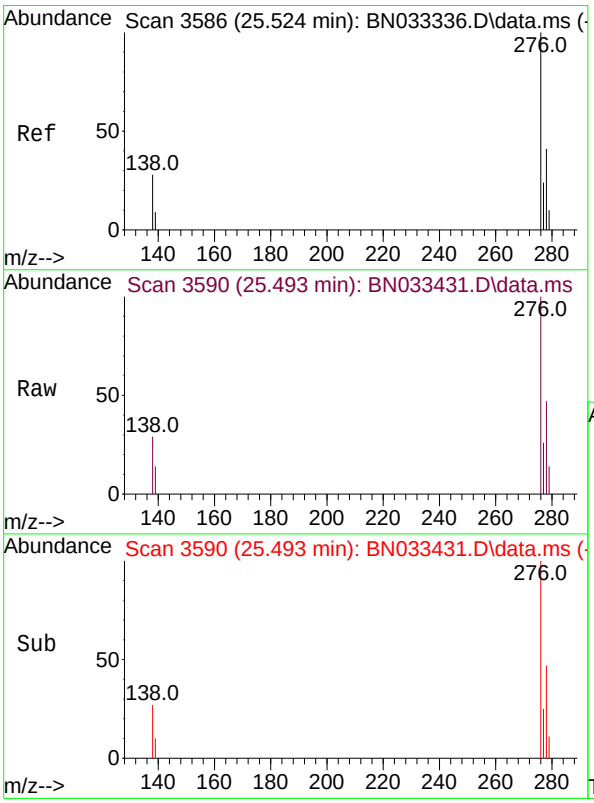
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.332 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:264 Resp: 19851

Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.6	32.4
265	60.2	29.3	43.9#

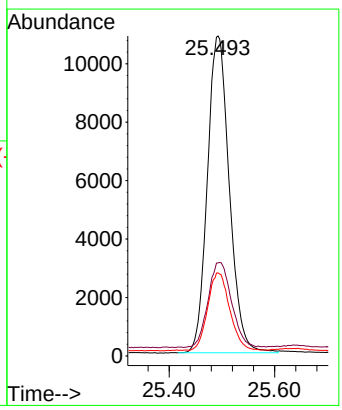


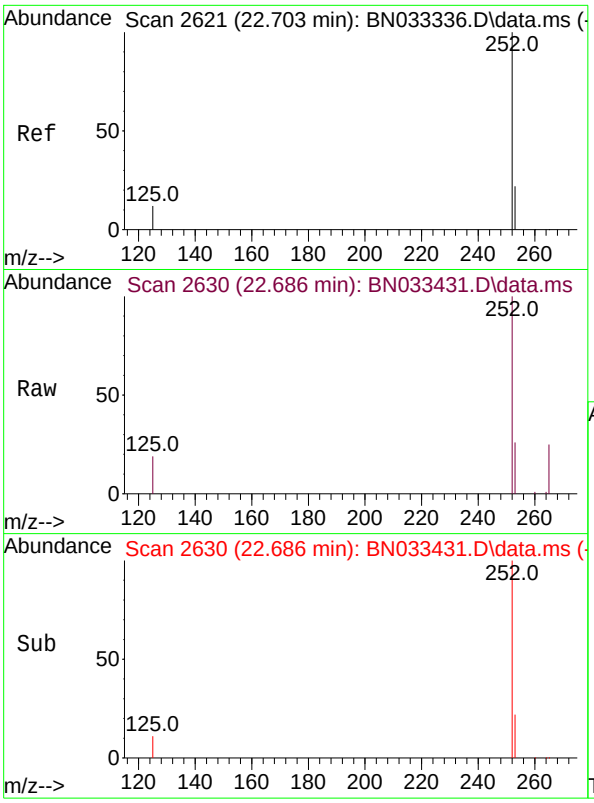


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.382 ng
RT: 25.493 min Scan# 3590
Delta R.T. -0.006 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:276 Resp: 31340

Ion	Ratio	Lower	Upper
276	100		
138	28.6	24.9	37.3
277	24.3	19.8	29.6



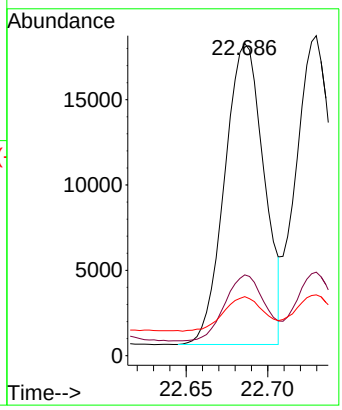


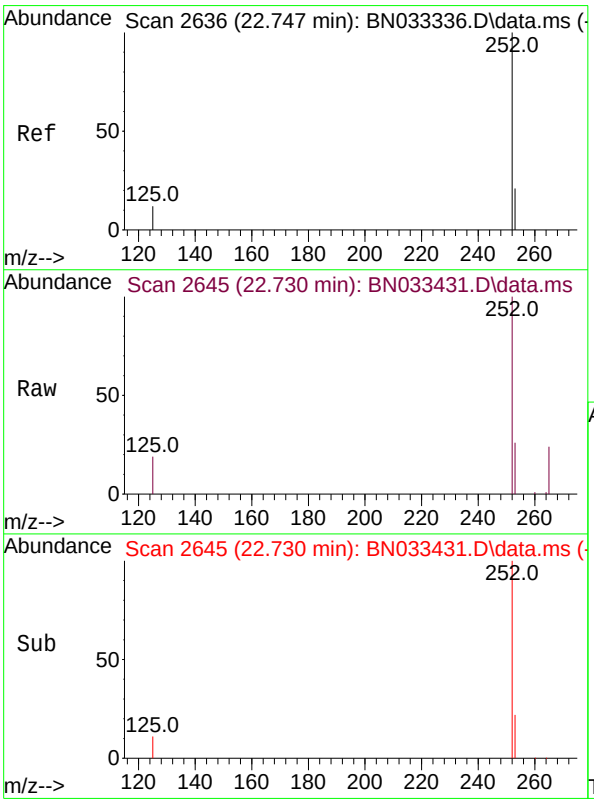
#37
Benzo(b)fluoranthene
Concen: 0.395 ng
RT: 22.686 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:252 Resp: 29539

Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.2	27.2
125	18.9	11.3	16.9#

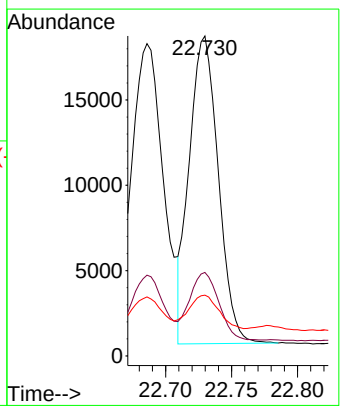


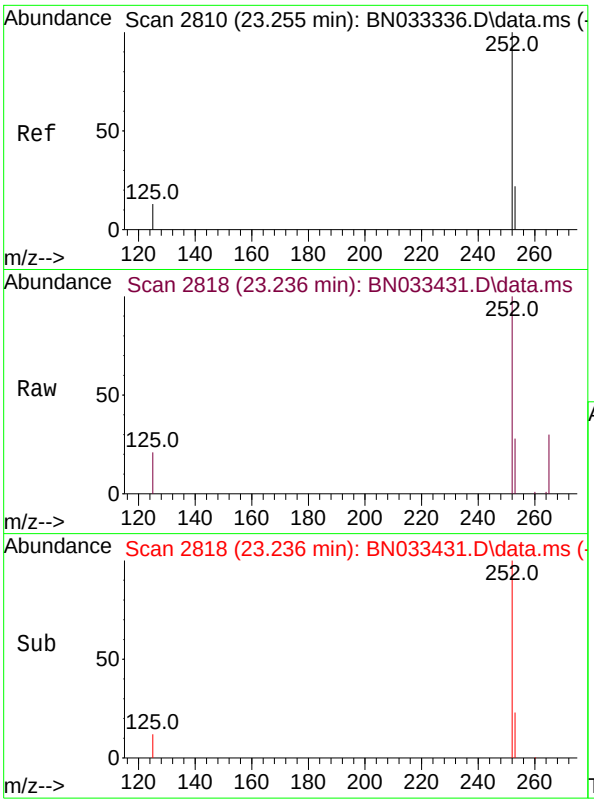


#38
Benzo(k)fluoranthene
Concen: 0.362 ng
RT: 22.730 min Scan# 2645
Delta R.T. -0.000 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:252 Resp: 27627

Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	19.0	11.3	16.9#



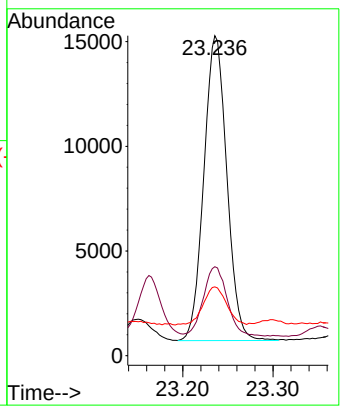


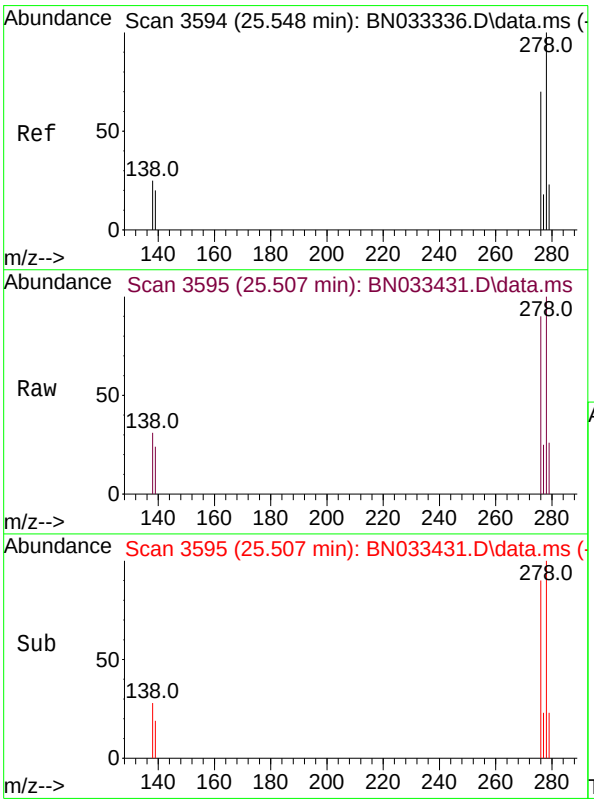
#39
Benzo(a)pyrene
Concen: 0.409 ng
RT: 23.236 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:252 Resp: 25751

Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.6	28.0
125	21.5	12.6	19.0#

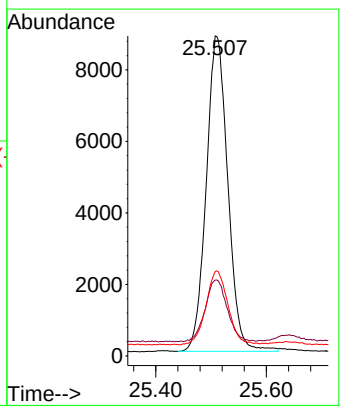


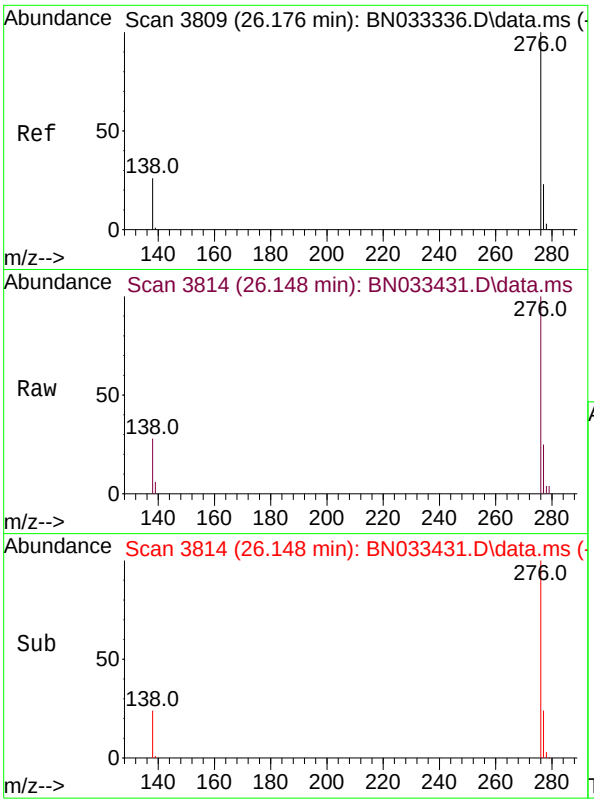


#40
Dibenzo(a,h)anthracene
Concen: 0.369 ng
RT: 25.507 min Scan# 3595
Delta R.T. -0.009 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Tgt Ion:278 Resp: 23895

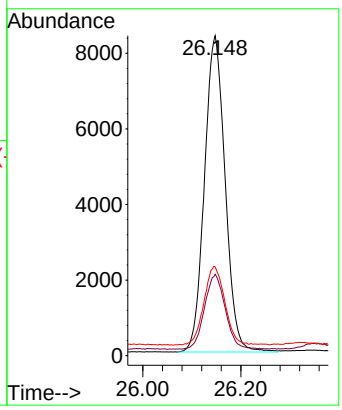
Ion	Ratio	Lower	Upper
278	100		
139	23.7	17.0	25.6
279	26.4	20.0	30.0





#41
Benzo(g,h,i)perylene
Concen: 0.341 ng
RT: 26.148 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN033431.D
Acq: 16 Aug 2024 15:26

Instrument :
BNA_N
ClientSampleId :
923-K1-WS-080124MSD

Tgt Ion:276 Resp: 24531

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.4	29.2
138	27.8	21.6	32.4