Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081924\
Data File : BN033479.D
Acq On : 19 Aug 2024 16:16
Operator : MA/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Aug 19 23:22:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:20:26 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.559	152	7803	0.400	ng		0.00
7) Naphthalene-d8	10.314	136	20827	0.400	ng		0.00
13) Acenaphthene-d10	14.189	164	10562	0.400	ng		0.00
19) Phenanthrene-d10	16.942	188	22120	0.400	ng		0.00
29) Chrysene-d12	21.148	240	15512	0.400	ng		0.00
35) Perylene-d12	23.323	264	15840	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.190	112	2489	0.113	ng		0.00
5) Phenol-d6	6.743	99	3034	0.106	ng		0.00
8) Nitrobenzene-d5	8.691	82	1778	0.113	ng		0.00
11) 2-Methylnaphthalene-d10	11.915	152	3002	0.096	ng		0.00
14) 2,4,6-Tribromophenol	15.688	330	561	0.104	ng		0.00
15) 2-Fluorobiphenyl	12.809	172	4295	0.100	ng		0.00
27) Fluoranthene-d10	18.984	212	5237	0.090	ng		0.00
31) Terphenyl-d14	19.597	244	3516	0.118	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.190	88	1020	0.121	ng	#	89
3) n-Nitrosodimethylamine	3.479	42	1063	0.098	ng	#	97
6) bis(2-Chloroethyl)ether	6.996	93	2282	0.102	ng		99
9) Naphthalene	10.368	128	5632	0.100	ng		97
10) Hexachlorobutadiene	10.667	225	1131	0.104	ng	#	100
12) 2-Methylnaphthalene	11.990	142	3460	0.091	ng		97
16) Acenaphthylene	13.900	152	4294	0.088	ng		100
17) Acenaphthene	14.253	154	3128	0.094	ng		99
18) Fluorene	15.247	166	4115	0.094	ng		97
20) 4,6-Dinitro-2-methylph...	15.322	198	282	0.102	ng	#	1
21) 4-Bromophenyl-phenylether	16.147	248	1335	0.101	ng		96
22) Hexachlorobenzene	16.247	284	1497	0.102	ng		100
23) Atrazine	16.420	200	1042	0.099	ng		95
24) Pentachlorophenol	16.594	266	633	0.105	ng		94
25) Phenanthrene	16.979	178	6046	0.096	ng		99
26) Anthracene	17.066	178	5150	0.092	ng		100
28) Fluoranthene	19.012	202	6515	0.085	ng		97
30) Pyrene	19.374	202	6809	0.109	ng		98
32) Benzo(a)anthracene	21.139	228	5757	0.100	ng		98
33) Chrysene	21.184	228	5565	0.097	ng		97
34) Bis(2-ethylhexyl)phtha...	21.103	149	4678	0.170	ng		97
36) Indeno(1,2,3-cd)pyrene	25.478	276	6399	0.097	ng		99
37) Benzo(b)fluoranthene	22.680	252	6036	0.102	ng	#	69
38) Benzo(k)fluoranthene	22.721	252	5699	0.095	ng	#	70
39) Benzo(a)pyrene	23.230	252	4861	0.097	ng	#	66
40) Dibenzo(a,h)anthracene	25.498	278	5079	0.098	ng	#	85
41) Benzo(g,h,i)perylene	26.133	276	5542	0.097	ng	#	88

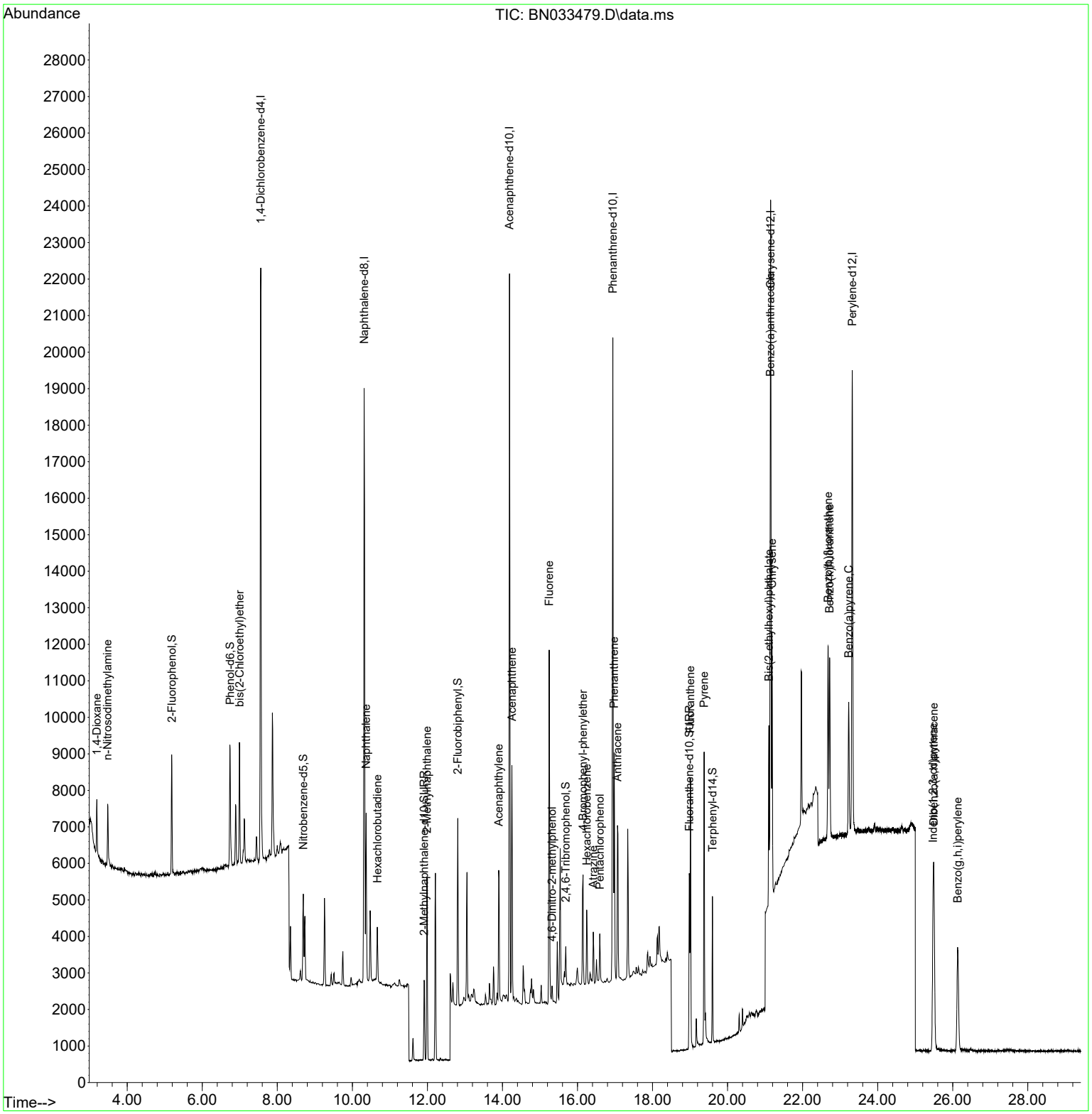
(#) = qualifier out of range (m) = manual integration (+) = signals summed

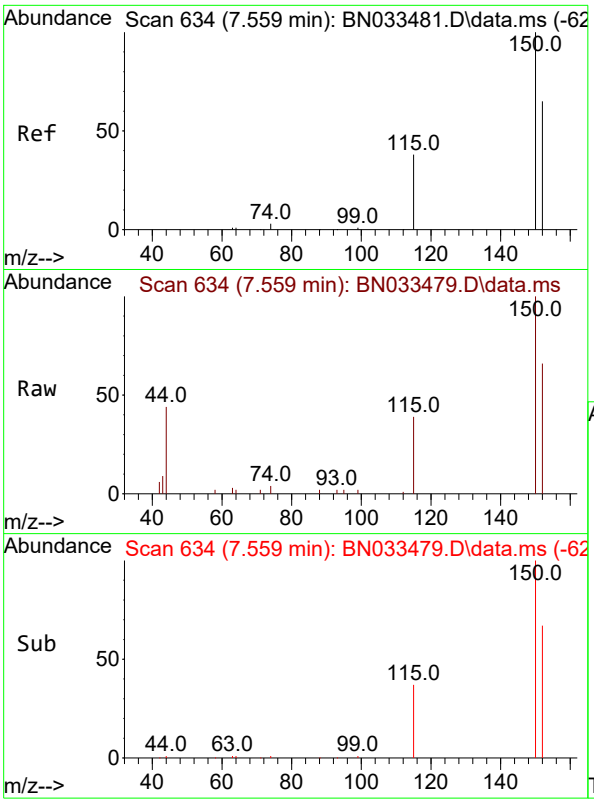
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081924\
Data File : BN033479.D
Acq On : 19 Aug 2024 16:16
Operator : MA/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Aug 19 23:22:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:20:26 2024
Response via : Initial Calibration



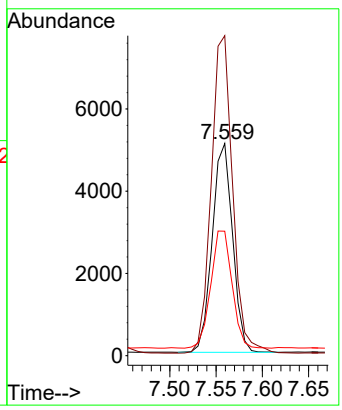


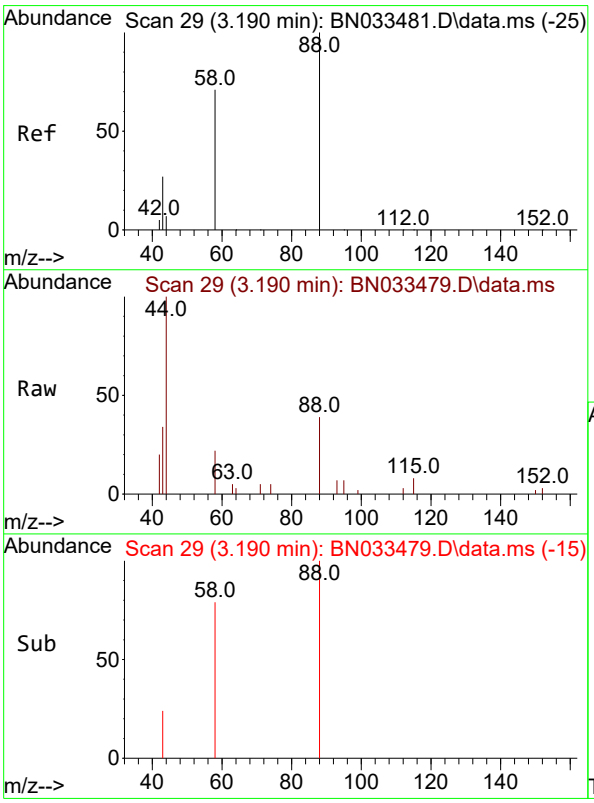
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.559 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 7803

Ion	Ratio	Lower	Upper
152	100		
150	150.8	122.2	183.2
115	58.6	47.2	70.8

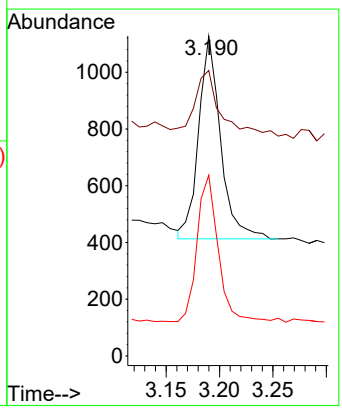


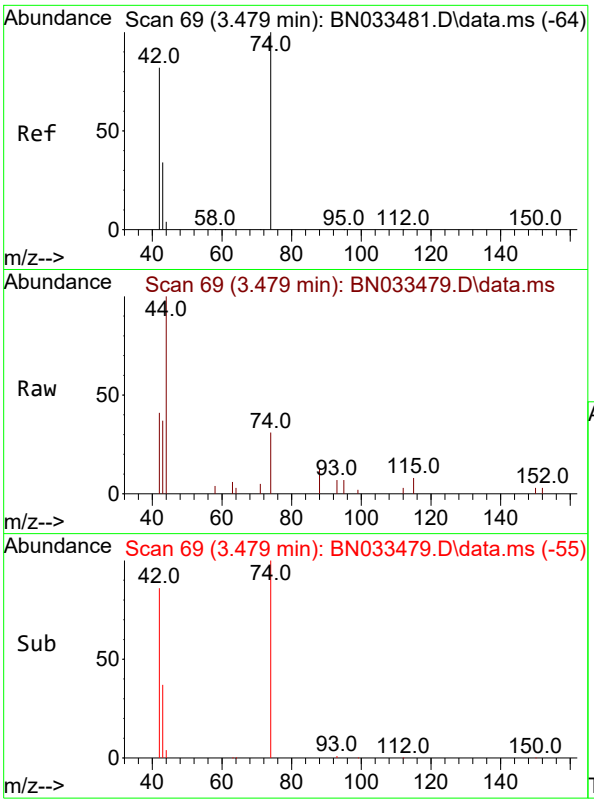


#2
1,4-Dioxane
Concen: 0.121 ng
RT: 3.190 min Scan# 29
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion: 88 Resp: 1020

Ion	Ratio	Lower	Upper
88	100		
43	38.9	25.0	37.4#
58	69.0	62.5	93.7



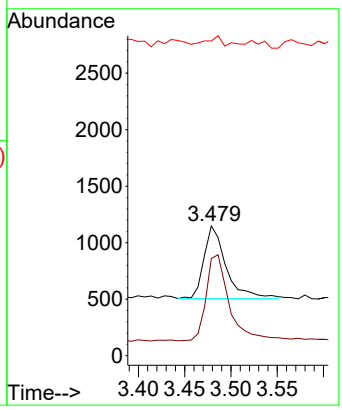


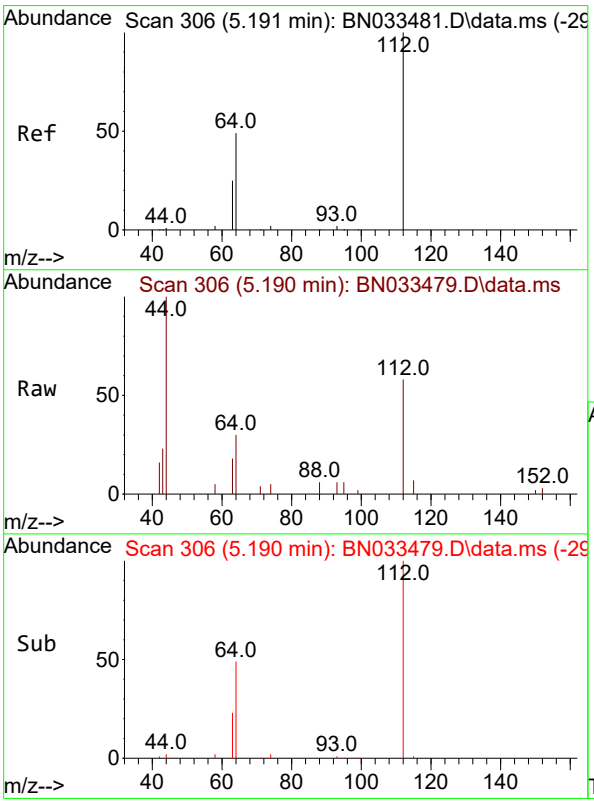
#3
n-Nitrosodimethylamine
Concen: 0.098 ng
RT: 3.479 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 1063

Ion	Ratio	Lower	Upper
42	100		
74	123.1	100.2	150.2
44	14.2	5.3	7.9#

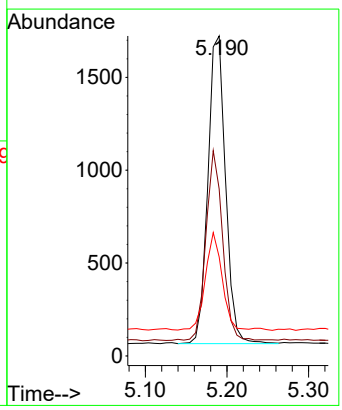


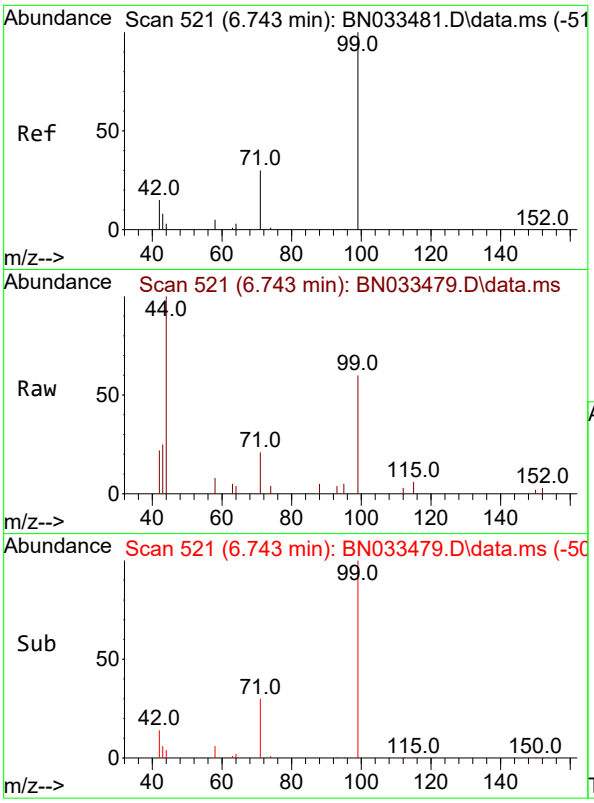


#4
2-Fluorophenol
Concen: 0.113 ng
RT: 5.190 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:112 Resp: 2489

Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.1	70.7
63	29.9	24.9	37.3



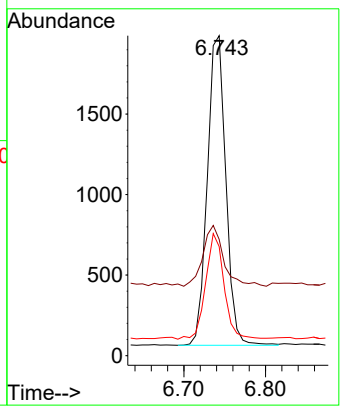


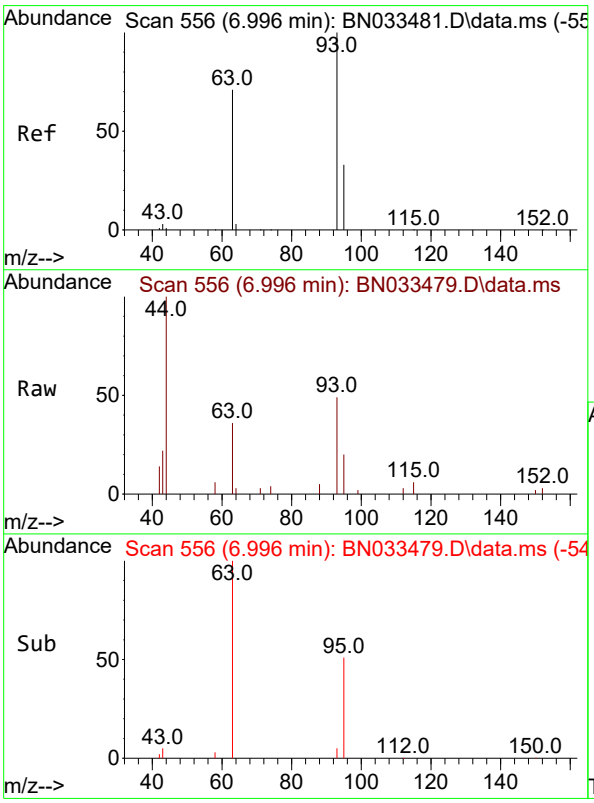
#5
Phenol-d6
Concen: 0.106 ng
RT: 6.743 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 3034

Ion	Ratio	Lower	Upper
99	100		
42	21.8	16.6	24.8
71	34.0	26.2	39.4

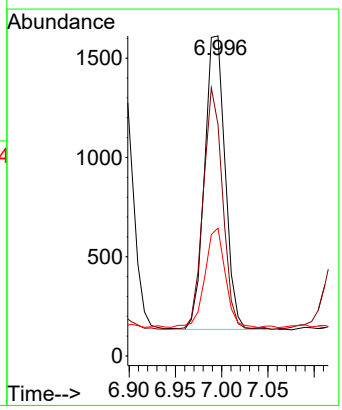


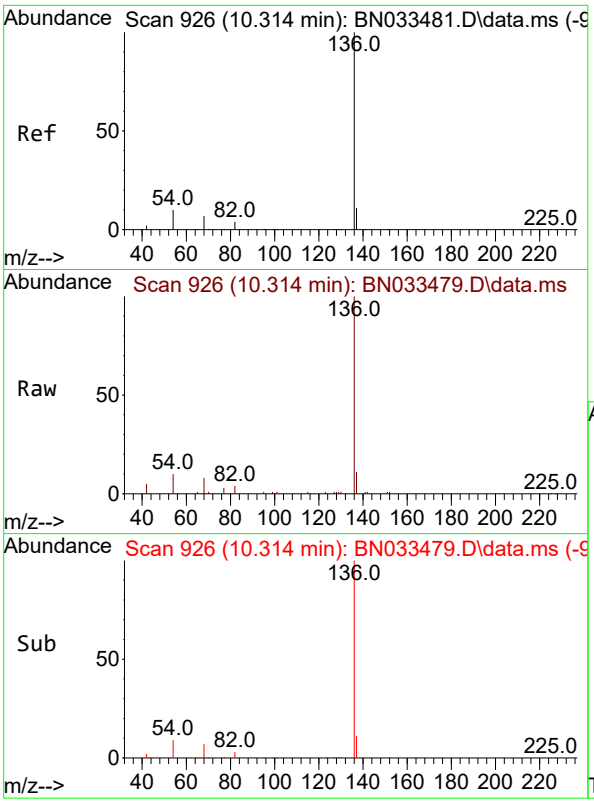


#6
bis(2-Chloroethyl)ether
Concen: 0.102 ng
RT: 6.996 min Scan# 556
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion: 93 Resp: 2282

Ion	Ratio	Lower	Upper
93	100		
63	78.0	63.0	94.4
95	33.4	26.0	39.0



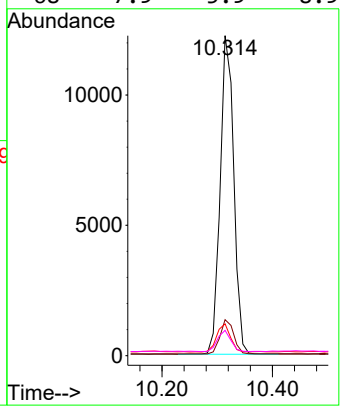


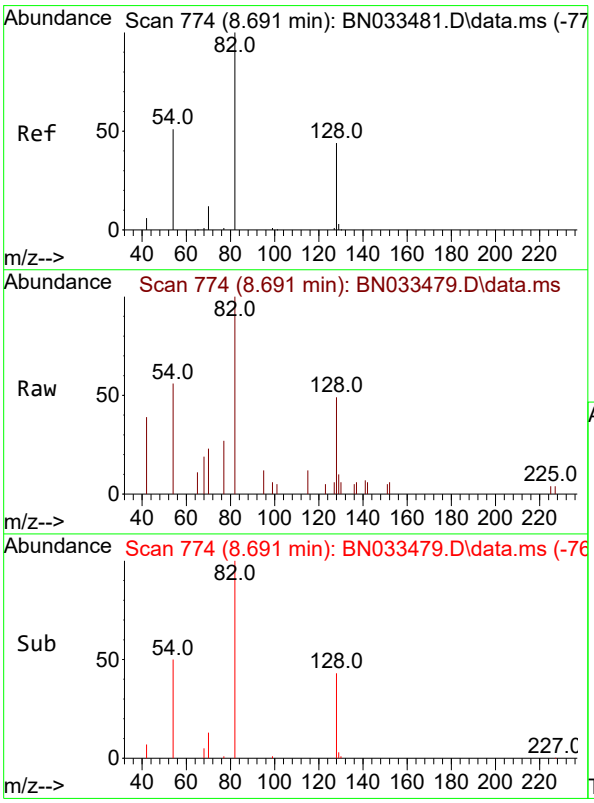
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 20827

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	10.0	8.3	12.5
68	7.9	5.9	8.9

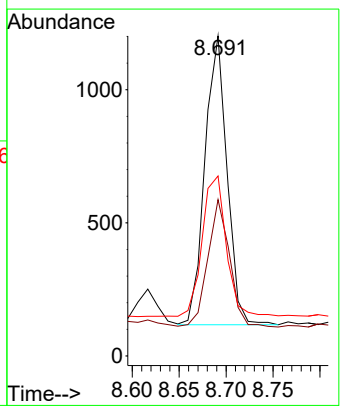


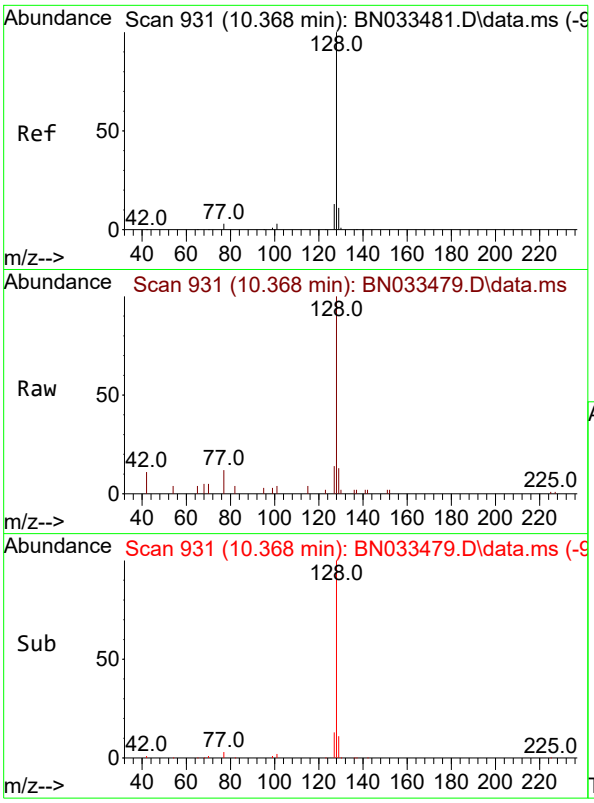


#8
Nitrobenzene-d5
Concen: 0.113 ng
RT: 8.691 min Scan# 774
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion: 82 Resp: 1778

Ion	Ratio	Lower	Upper
82	100		
128	48.8	36.0	54.0
54	56.2	42.0	63.0



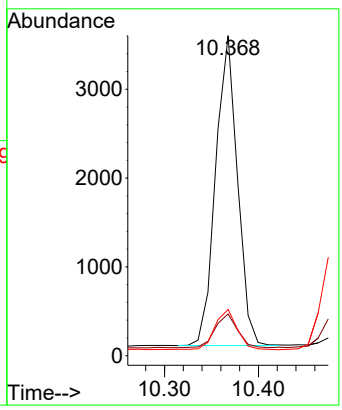


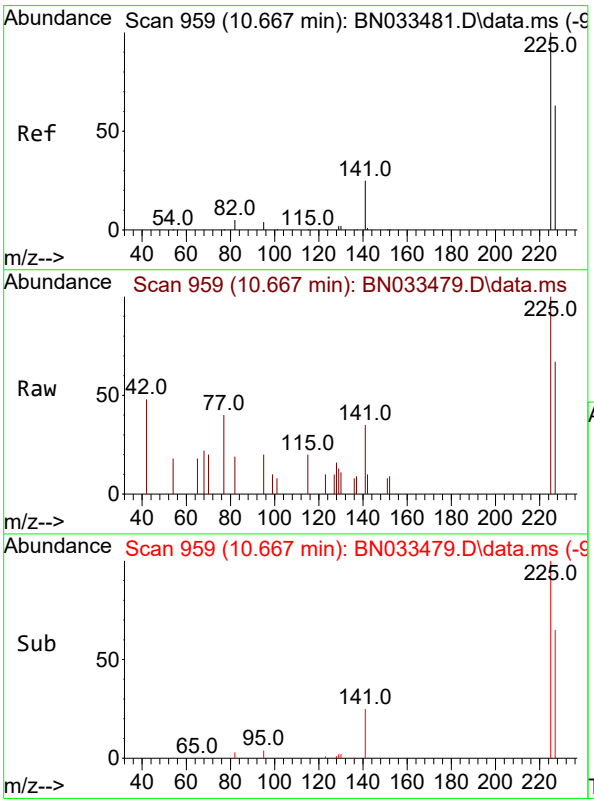
#9
Naphthalene
Concen: 0.100 ng
RT: 10.368 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 5632

Ion	Ratio	Lower	Upper
128	100		
129	13.1	9.1	13.7
127	14.5	10.7	16.1

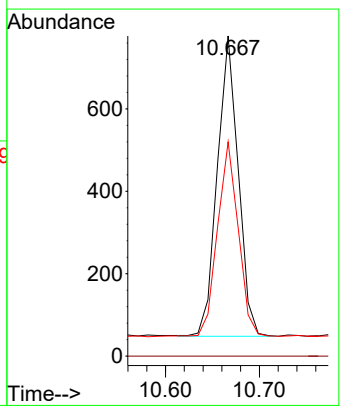


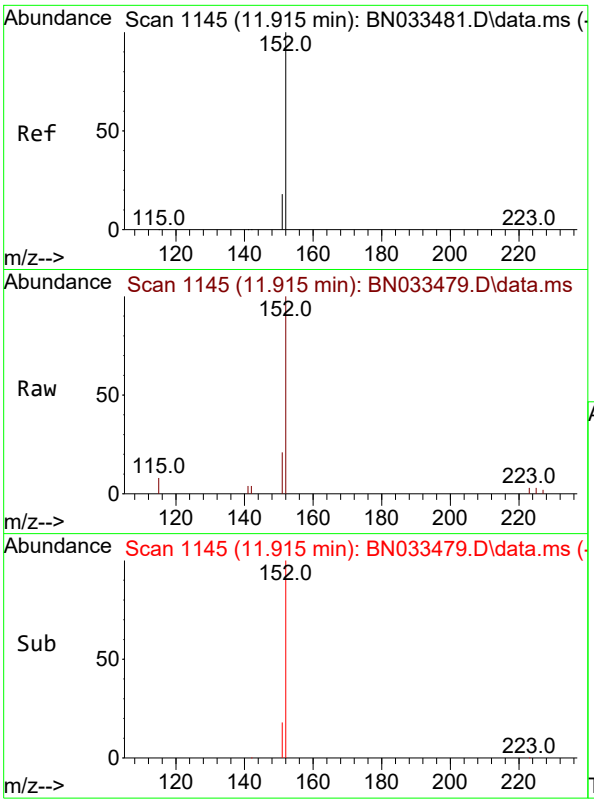


#10
Hexachlorobutadiene
Concen: 0.104 ng
RT: 10.667 min Scan# 959
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:225 Resp: 1131

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.2	76.8



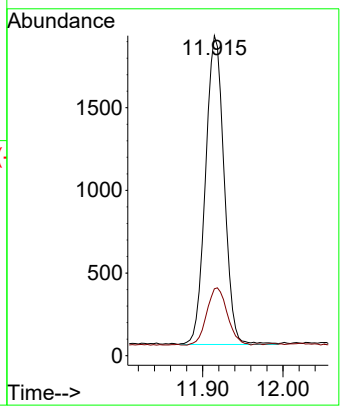


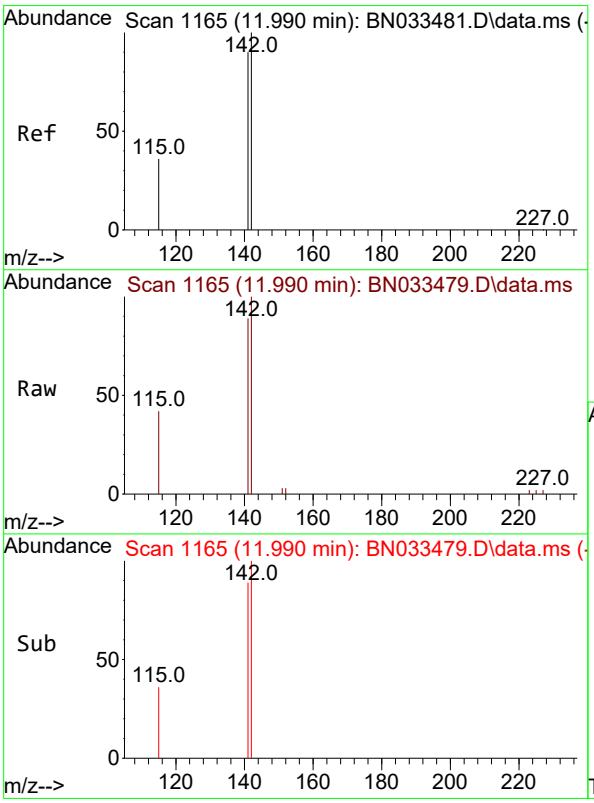
#11
2-Methylnaphthalene-d10
Concen: 0.096 ng
RT: 11.915 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 3002

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0

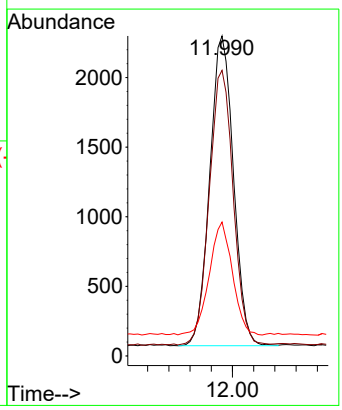


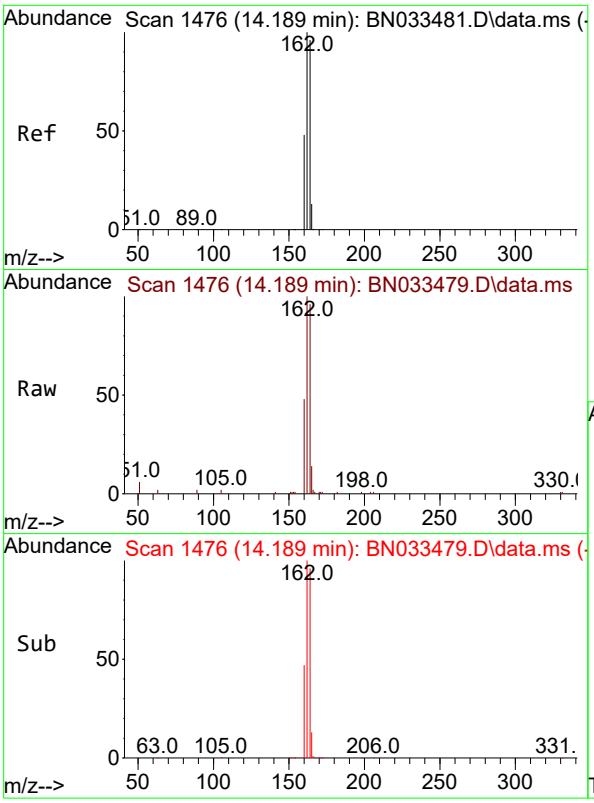


#12
2-Methylnaphthalene
Concen: 0.091 ng
RT: 11.990 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:142 Resp: 3460

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.7	107.5
115	41.8	29.4	44.2



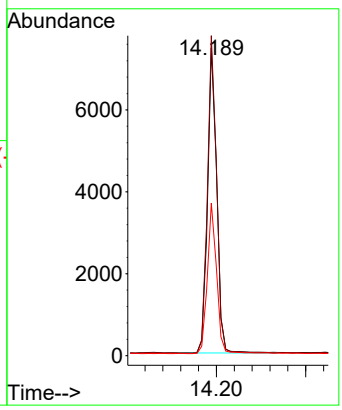


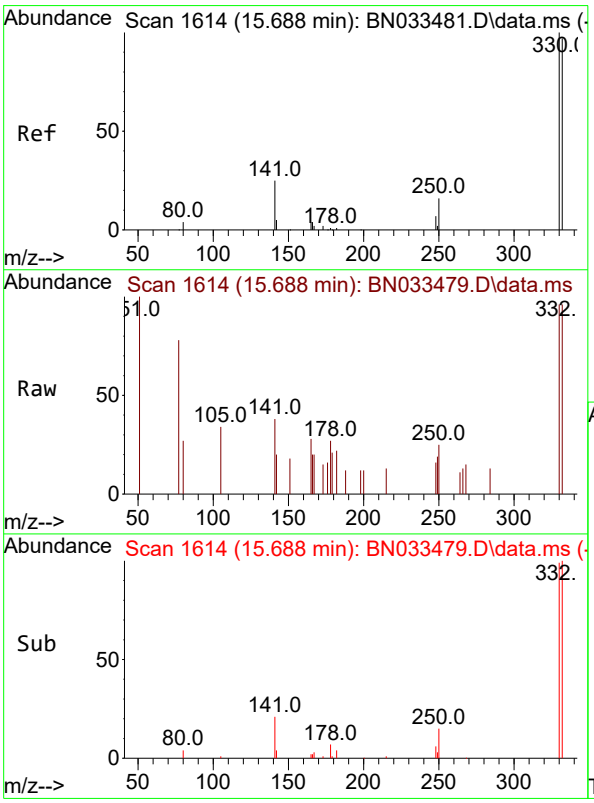
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 10562

Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.5	125.3
160	49.6	40.2	60.4

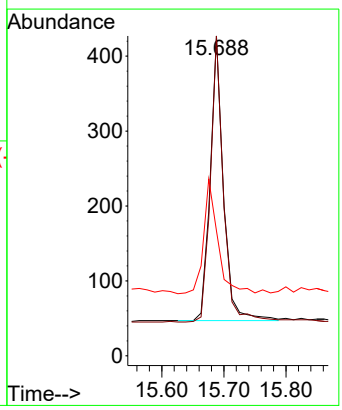


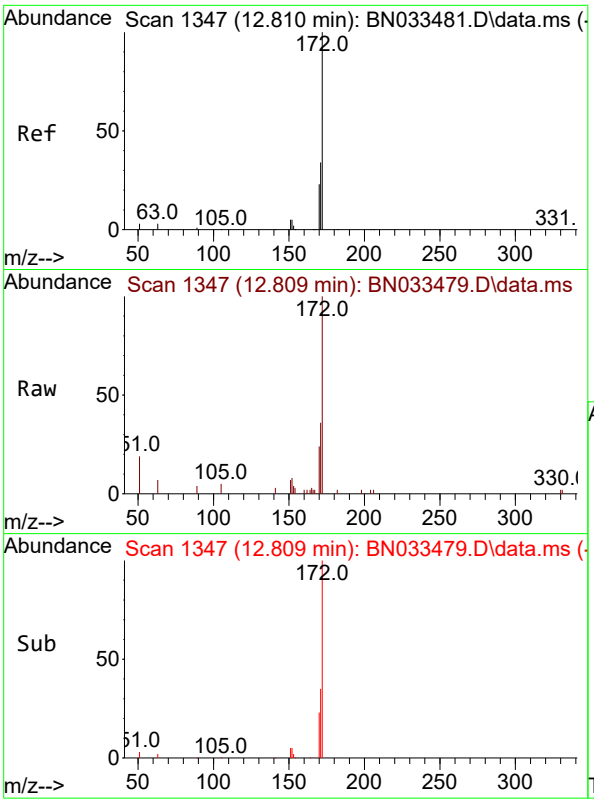


#14
2,4,6-Tribromophenol
Concen: 0.104 ng
RT: 15.688 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:330 Resp: 561

Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.5	116.3
141	43.9	33.9	50.9



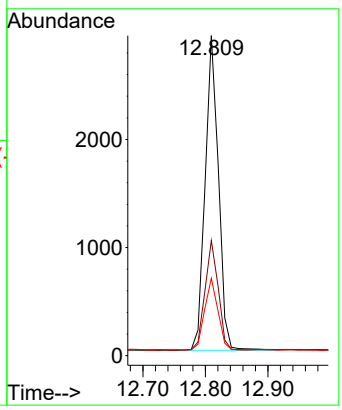


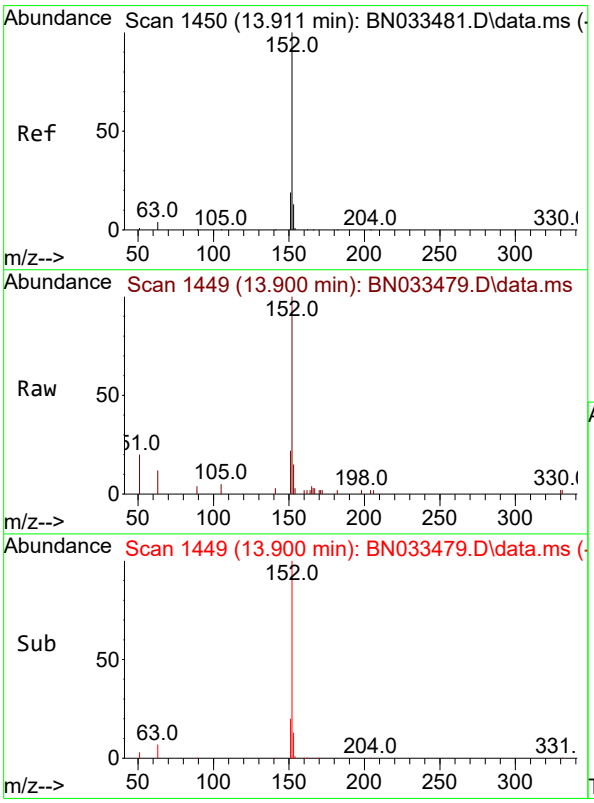
#15
2-Fluorobiphenyl
Concen: 0.100 ng
RT: 12.809 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 4295

Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.7	41.5
170	24.2	18.3	27.5

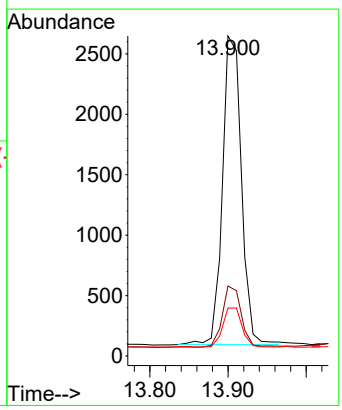


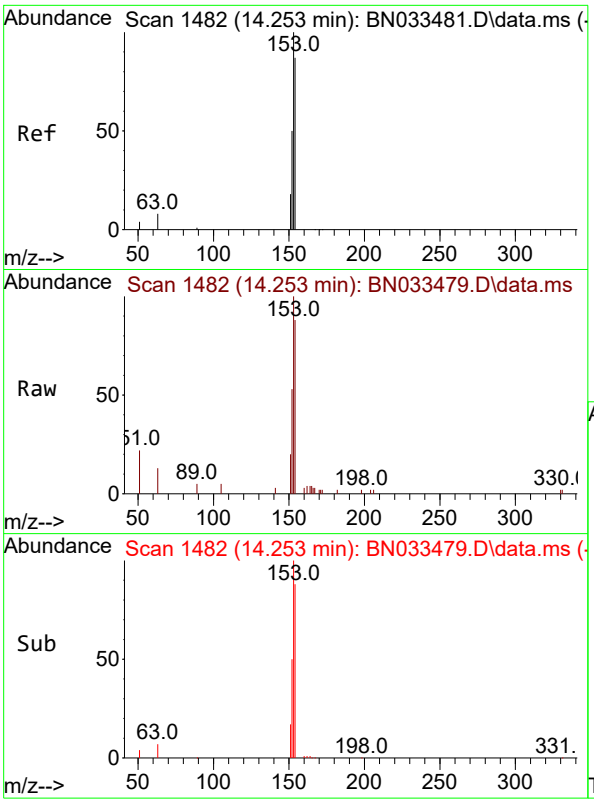


#16
Acenaphthylene
Concen: 0.088 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:152 Resp: 4294

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	12.8	10.3	15.5



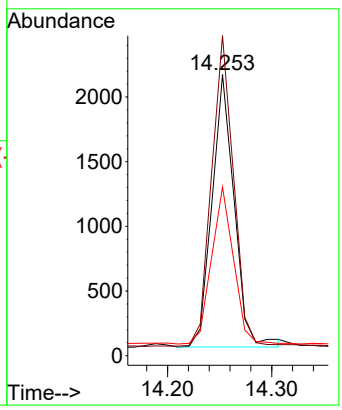


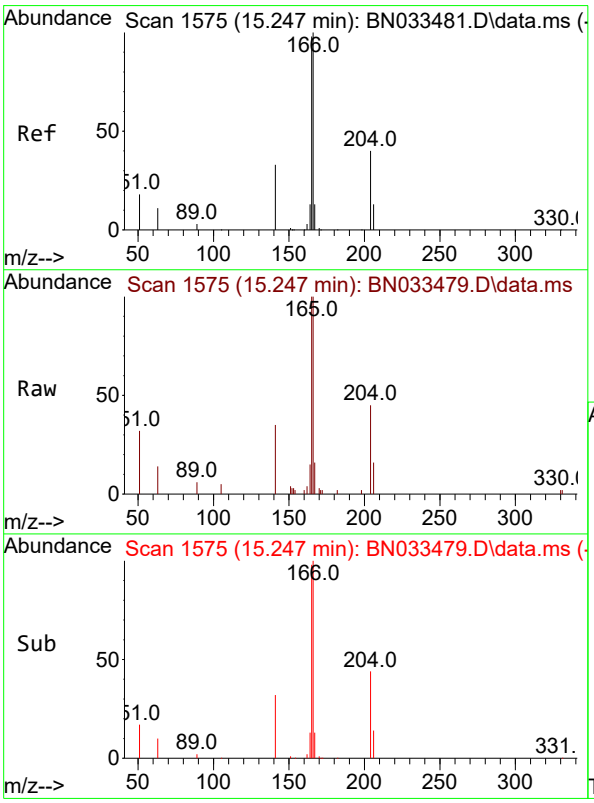
#17
Acenaphthene
Concen: 0.094 ng
RT: 14.253 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 3128

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.0	133.6
152	56.8	45.2	67.8

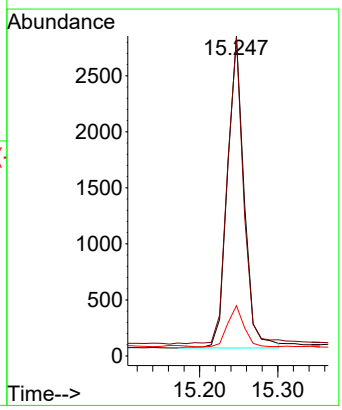


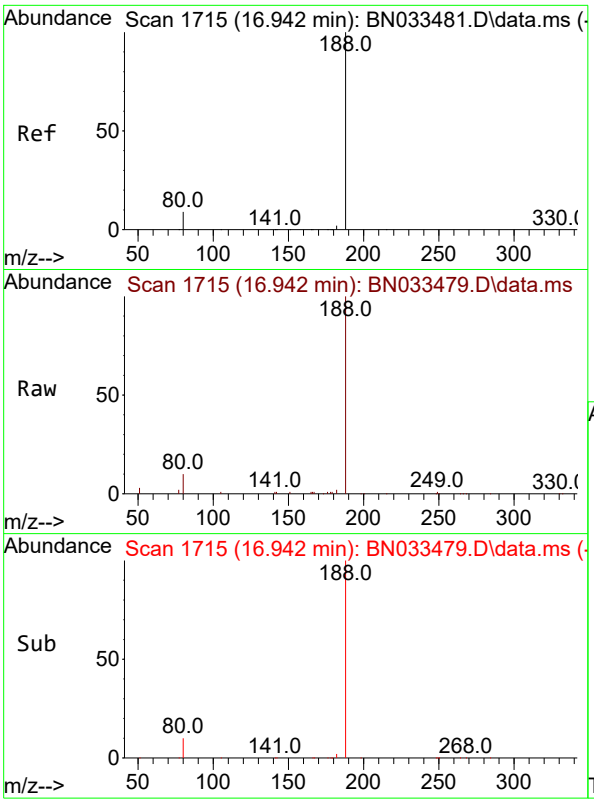


#18
Fluorene
Concen: 0.094 ng
RT: 15.247 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:166 Resp: 4115

Ion	Ratio	Lower	Upper
166	100		
165	94.1	78.2	117.4
167	12.9	10.6	16.0



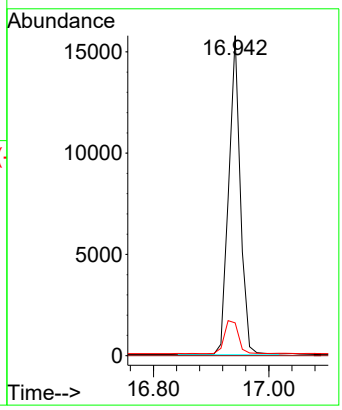


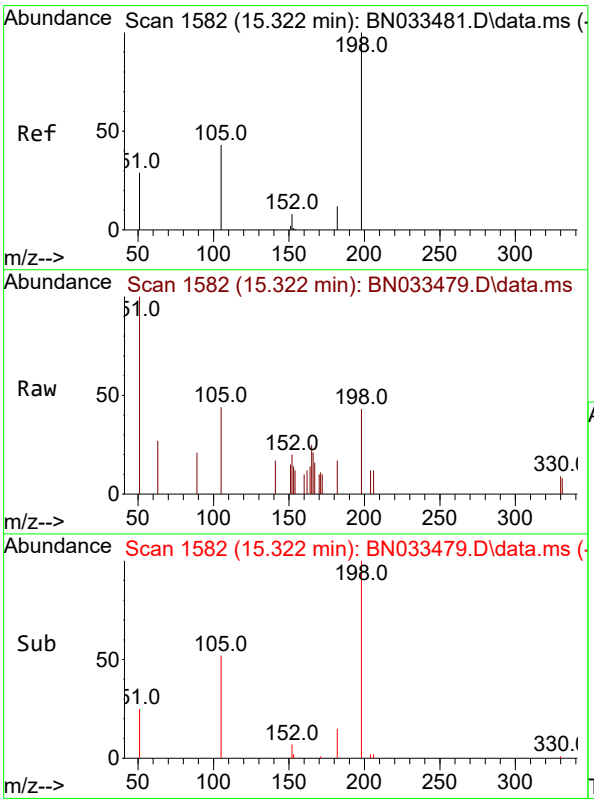
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.942 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 22120

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	7.8	11.8

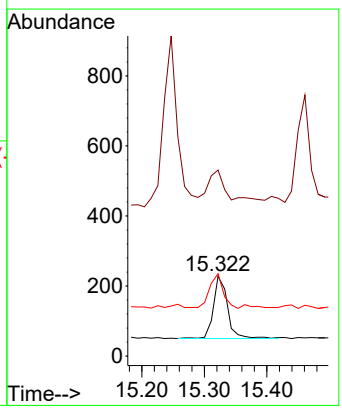


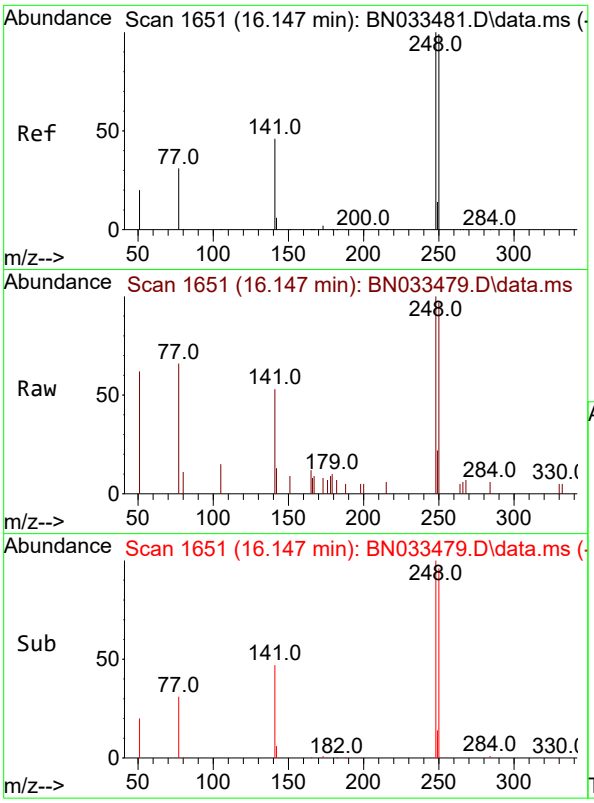


#20
4,6-Dinitro-2-methylphenol
Concen: 0.102 ng
RT: 15.322 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:198 Resp: 282

Ion	Ratio	Lower	Upper
198	100		
51	232.9	65.1	97.7#
105	103.1	44.8	67.2#



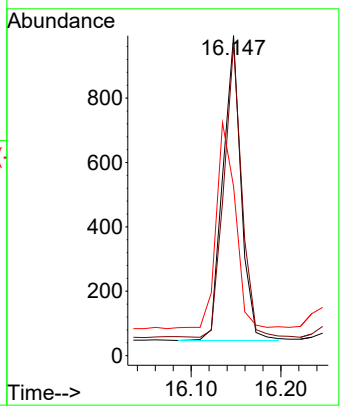


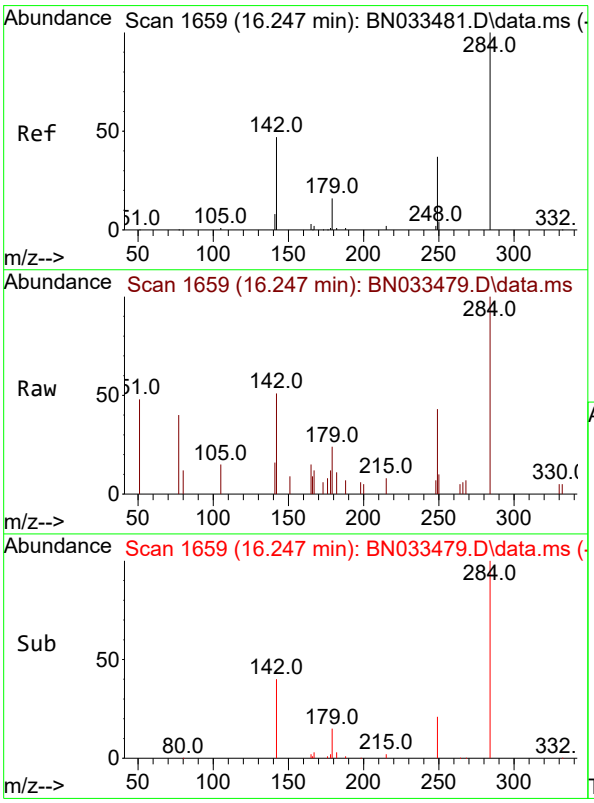
#21
4-Bromophenyl-phenylether
Concen: 0.101 ng
RT: 16.147 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 1335

Ion	Ratio	Lower	Upper
248	100		
250	97.4	79.2	118.8
141	52.9	37.9	56.9

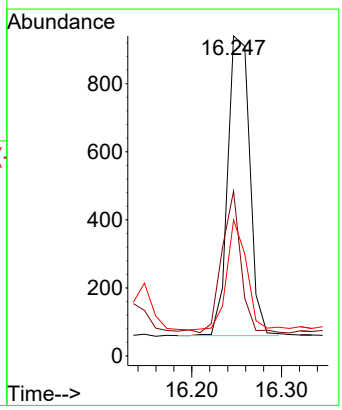


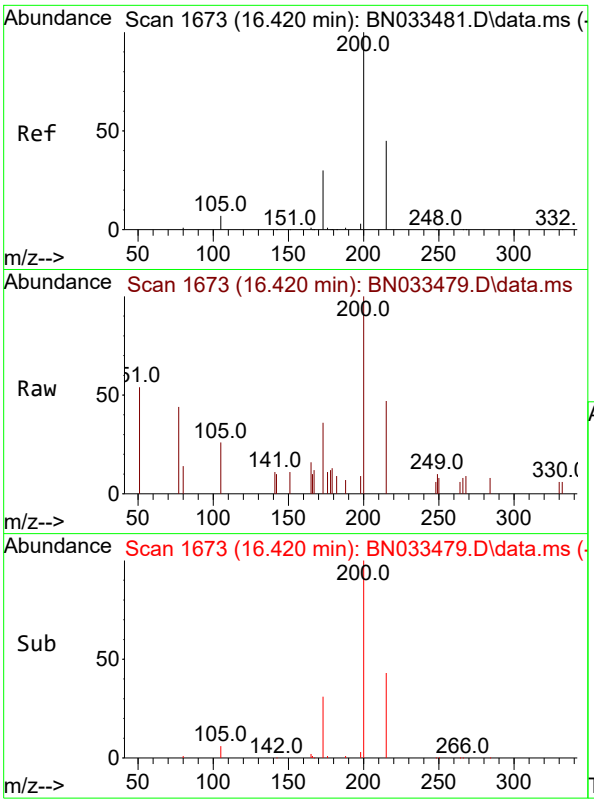


#22
Hexachlorobenzene
Concen: 0.102 ng
RT: 16.247 min Scan# 1659
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:284 Resp: 1497

Ion	Ratio	Lower	Upper
284	100		
142	40.0	31.8	47.6
249	32.6	26.0	39.0



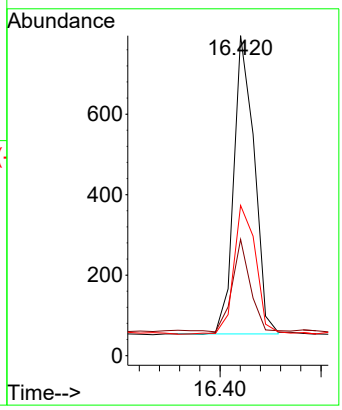


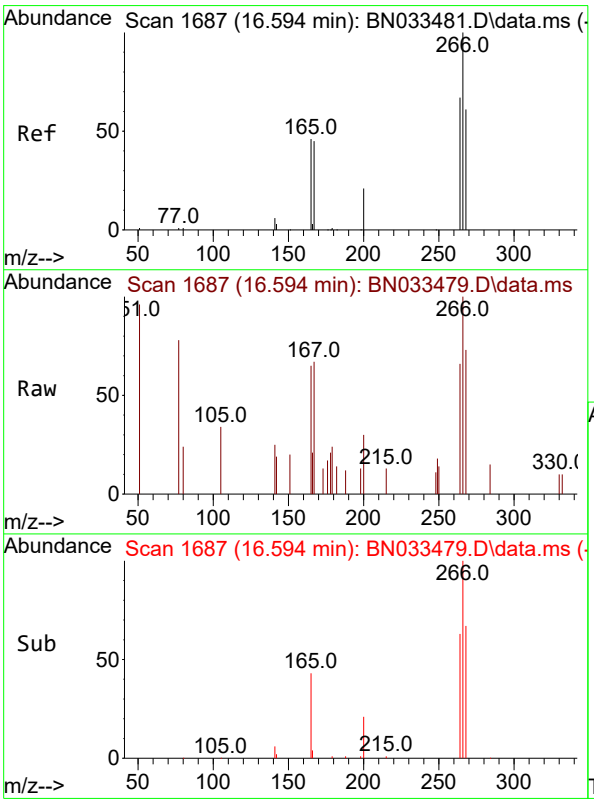
#23
Atrazine
Concen: 0.099 ng
RT: 16.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 1042

Ion	Ratio	Lower	Upper
200	100		
173	36.4	25.3	37.9
215	46.9	36.6	54.8

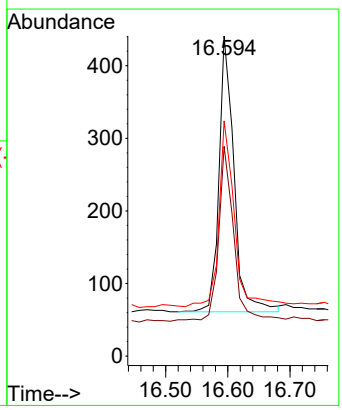


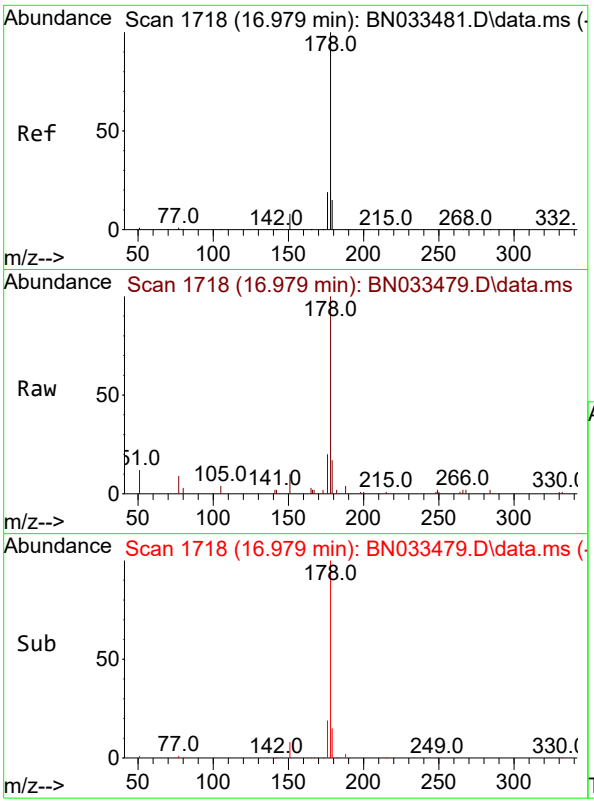


#24
Pentachlorophenol
Concen: 0.105 ng
RT: 16.594 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:266 Resp: 633

Ion	Ratio	Lower	Upper
266	100		
264	61.3	51.9	77.9
268	69.5	51.0	76.4



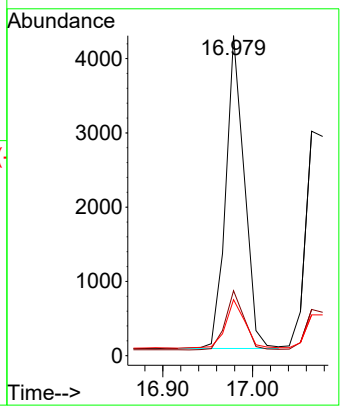


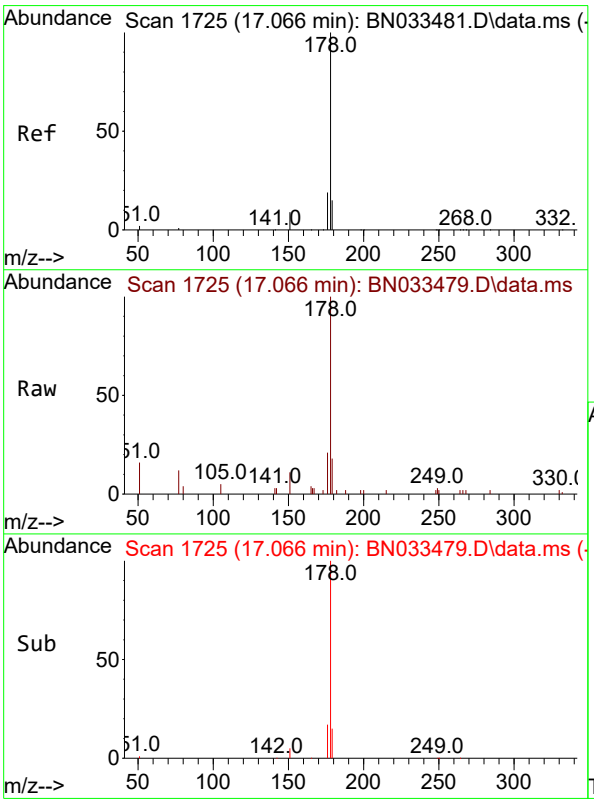
#25
Phenanthrene
Concen: 0.096 ng
RT: 16.979 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 6046

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	16.1	12.3	18.5

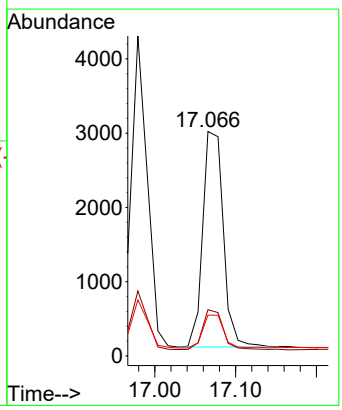


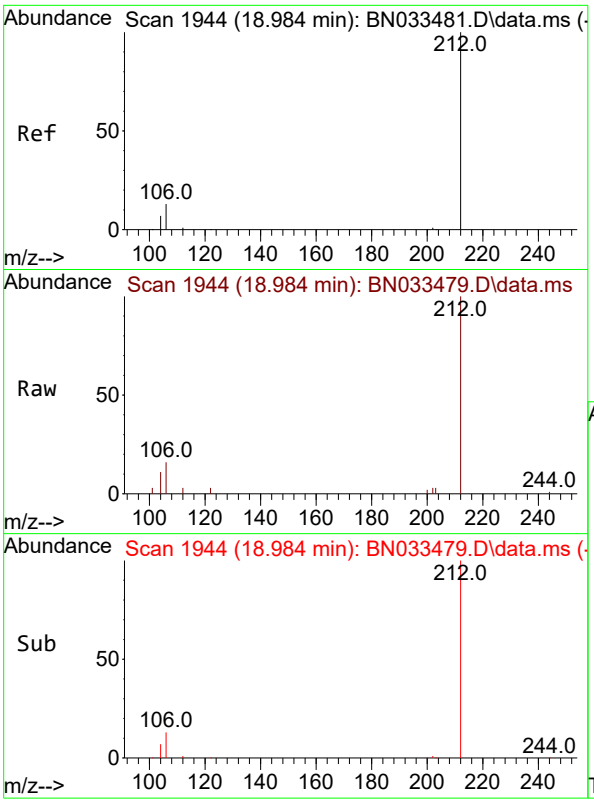


#26
Anthracene
Concen: 0.092 ng
RT: 17.066 min Scan# 1725
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:178 Resp: 5150

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.4	12.4	18.6



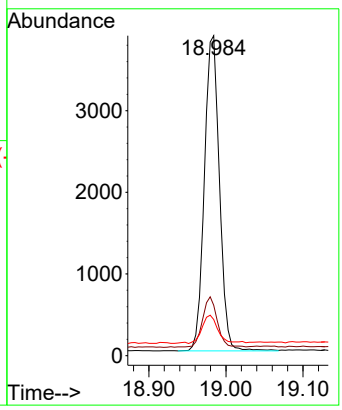


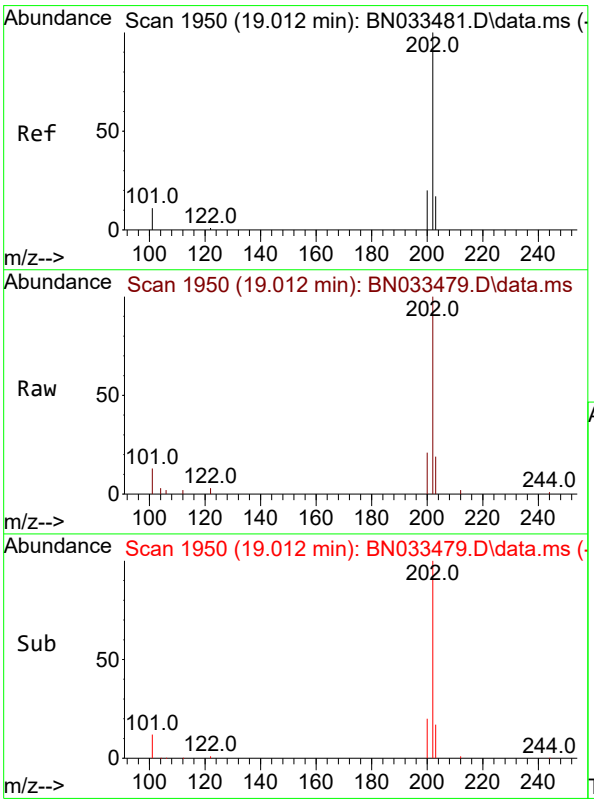
#27
Fluoranthene-d10
Concen: 0.090 ng
RT: 18.984 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 5237

Ion	Ratio	Lower	Upper
212	100		
106	15.6	12.3	18.5
104	9.8	7.0	10.4

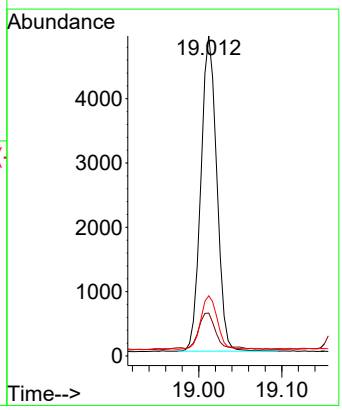


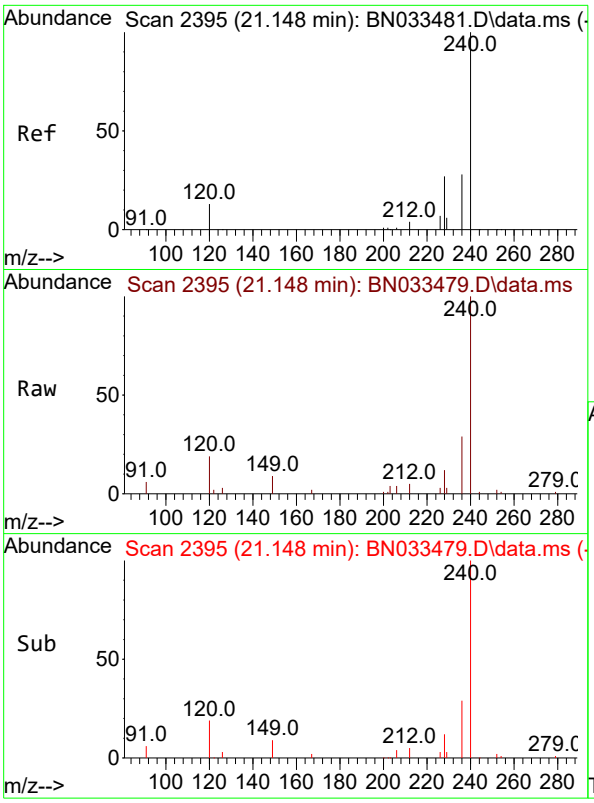


#28
Fluoranthene
Concen: 0.085 ng
RT: 19.012 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:202 Resp: 6515

Ion	Ratio	Lower	Upper
202	100		
101	14.2	9.5	14.3
203	17.8	13.8	20.6



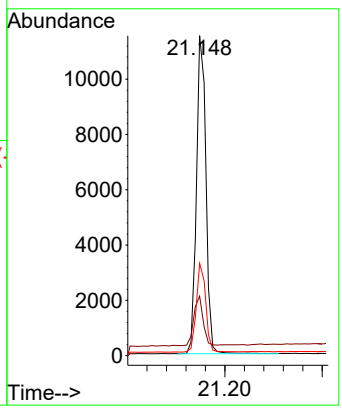


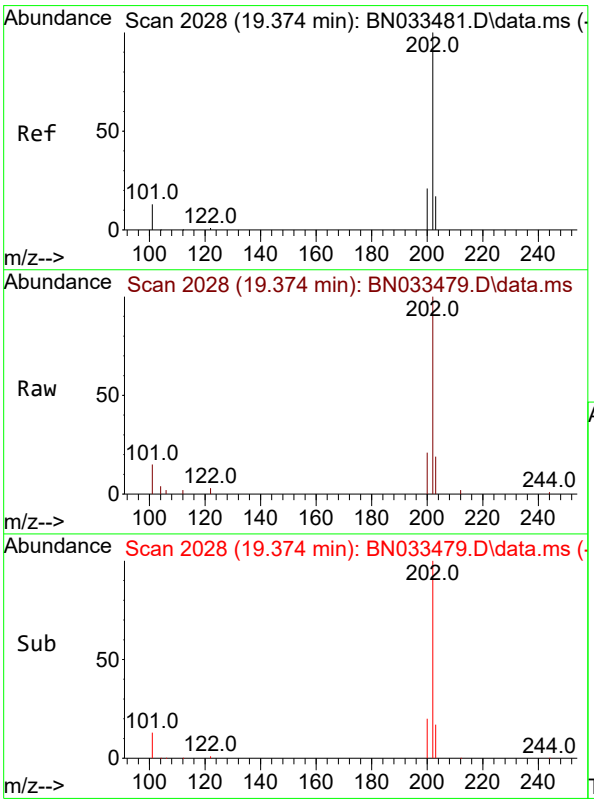
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.148 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 15512

Ion	Ratio	Lower	Upper
240	100		
120	18.6	12.4	18.6
236	28.8	23.0	34.6

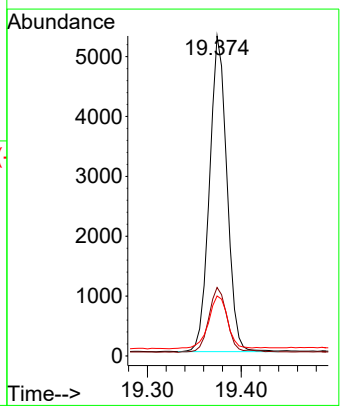


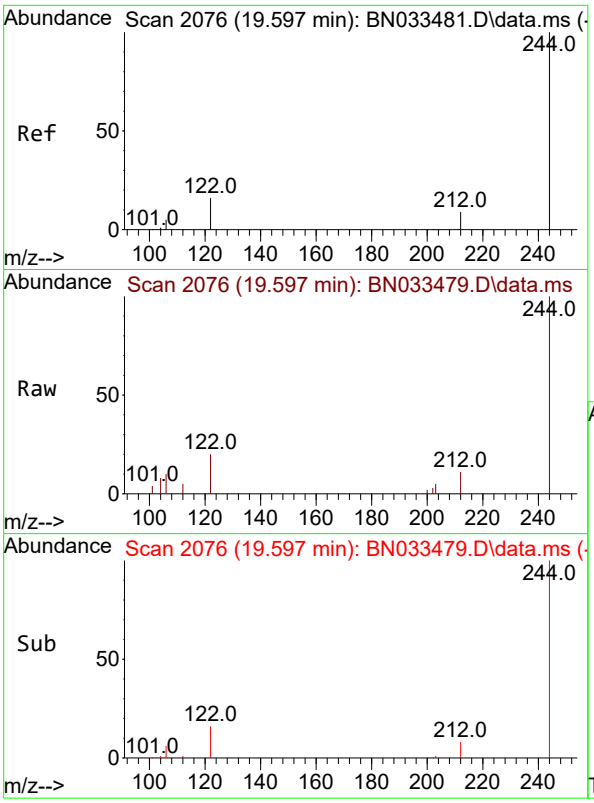


#30
Pyrene
Concen: 0.109 ng
RT: 19.374 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:202 Resp: 6809

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	24.8
203	18.4	14.2	21.4



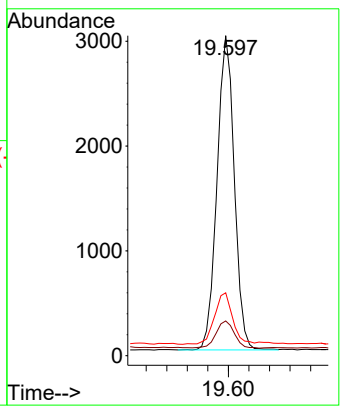


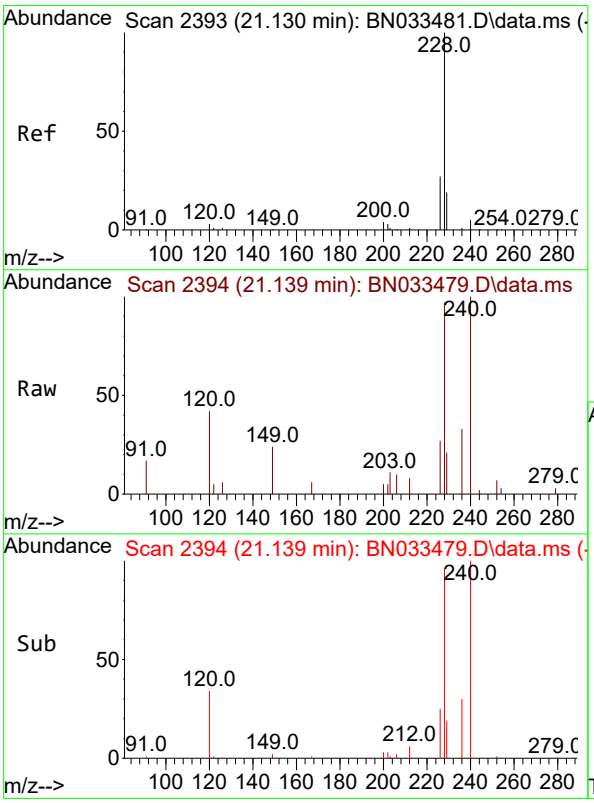
#31
Terphenyl-d14
Concen: 0.118 ng
RT: 19.597 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 3516

Ion	Ratio	Lower	Upper
244	100		
212	10.8	7.8	11.6
122	19.7	13.3	19.9

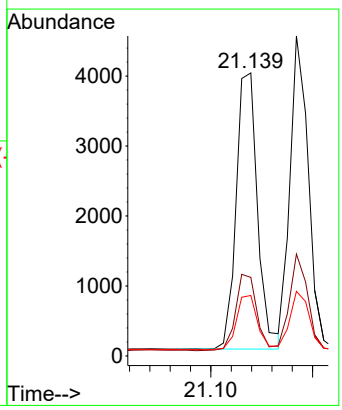


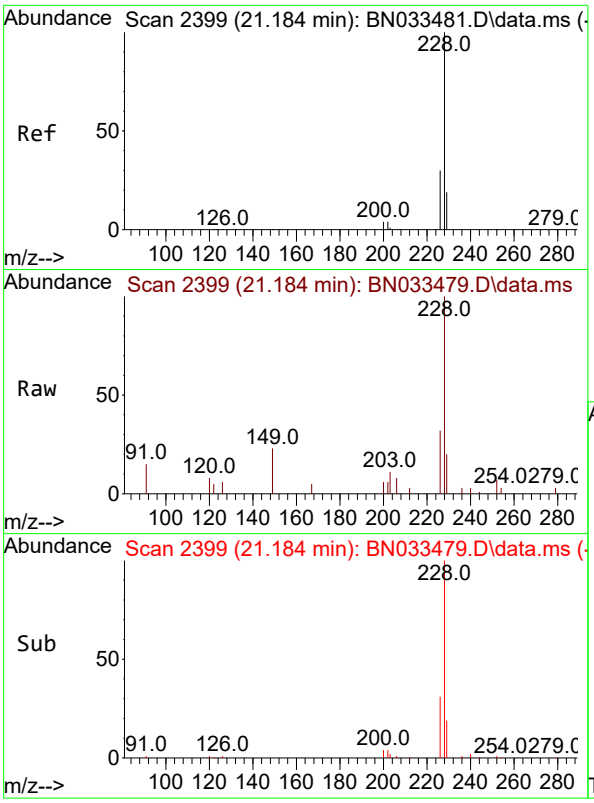


#32
Benzo(a)anthracene
Concen: 0.100 ng
RT: 21.139 min Scan# 2394
Delta R.T. 0.009 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:228 Resp: 5757

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.6
229	21.4	15.8	23.6



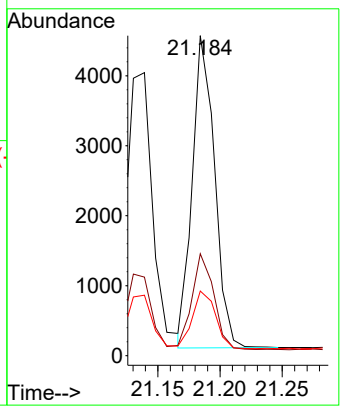


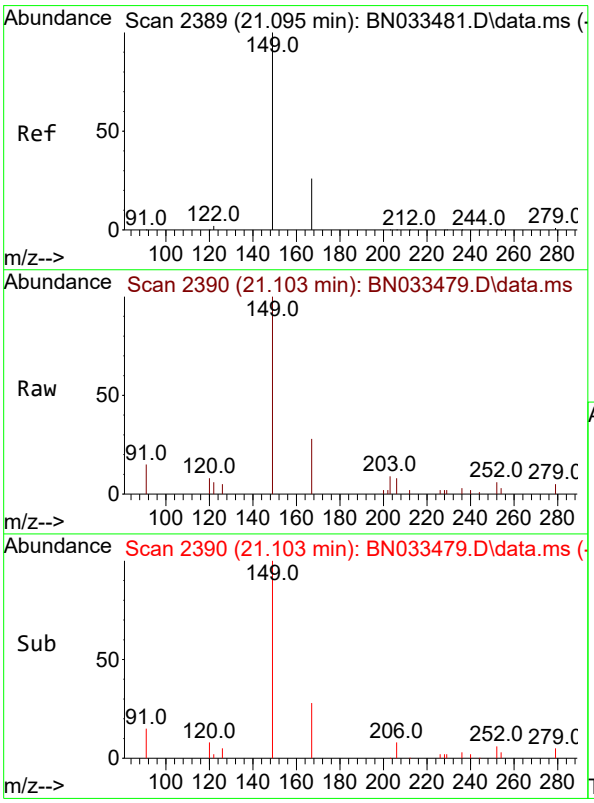
#33
Chrysene
Concen: 0.097 ng
RT: 21.184 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 5565

Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.8	35.8
229	20.2	15.6	23.4

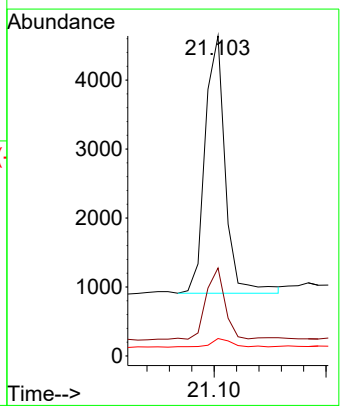


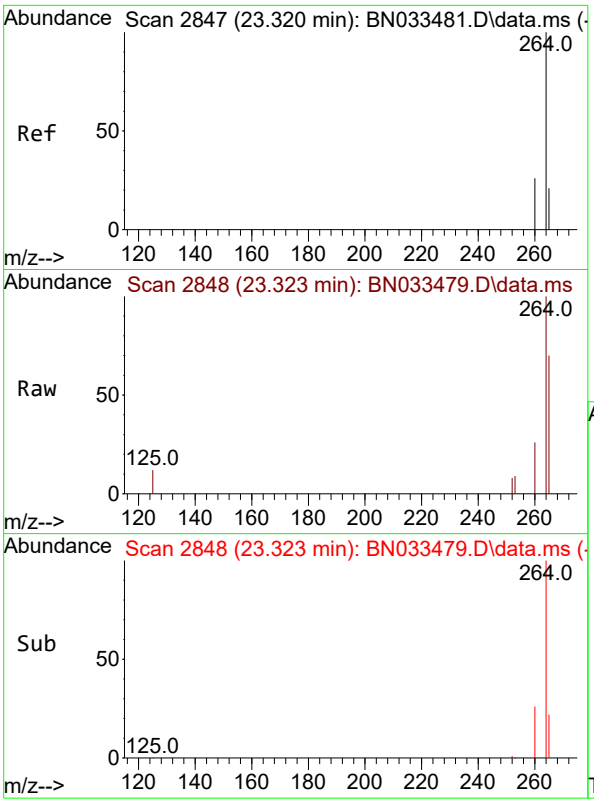


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.170 ng
RT: 21.103 min Scan# 2390
Delta R.T. 0.009 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:149 Resp: 4678

Ion	Ratio	Lower	Upper
149	100		
167	25.4	21.5	32.3
279	3.1	2.2	3.2



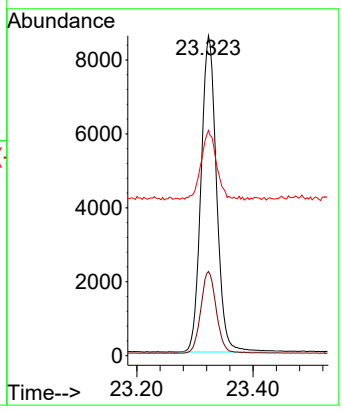


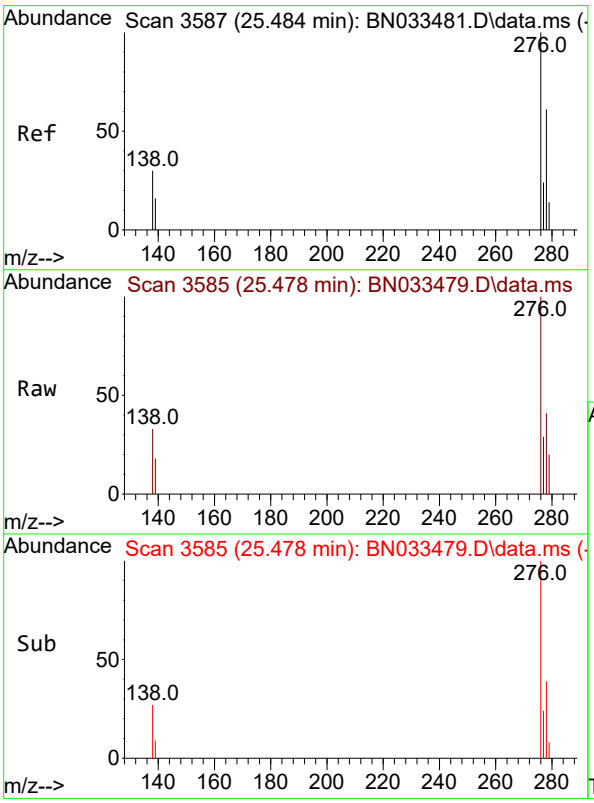
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.323 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:264 Resp: 15840

Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.8	31.2
265	70.4	52.2	78.2

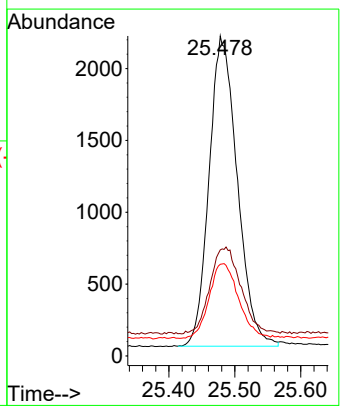


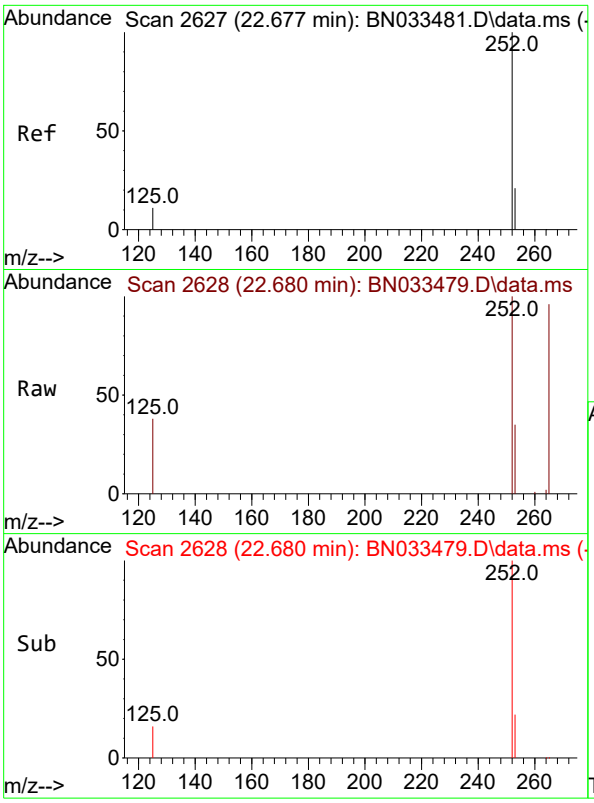


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.097 ng
RT: 25.478 min Scan# 3585
Delta R.T. -0.006 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:276 Resp: 6399

Ion	Ratio	Lower	Upper
276	100		
138	30.6	24.4	36.6
277	25.2	19.8	29.6



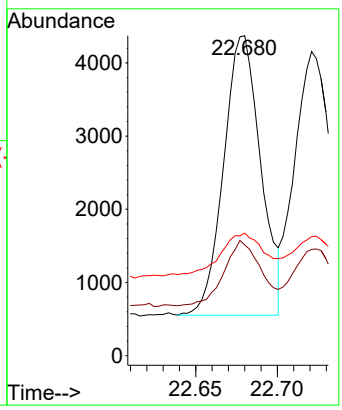


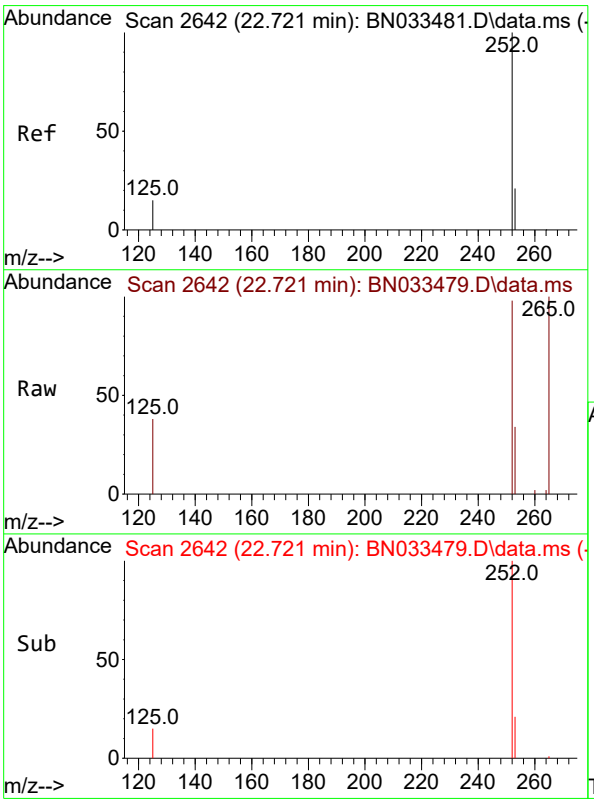
#37
Benzo(b)fluoranthene
Concen: 0.102 ng
RT: 22.680 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 6036

Ion	Ratio	Lower	Upper
252	100		
253	34.6	19.8	29.8#
125	38.3	13.9	20.9#

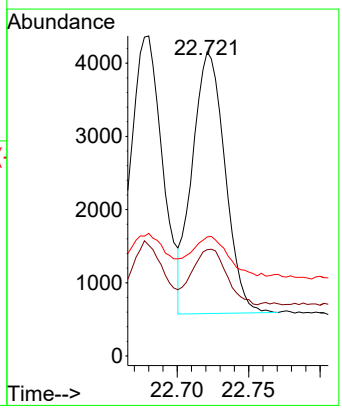


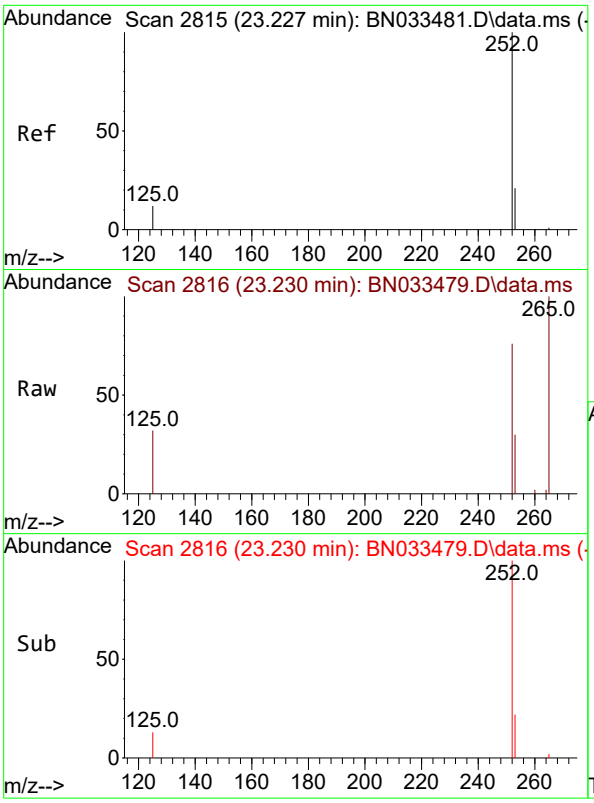


#38
Benzo(k)fluoranthene
Concen: 0.095 ng
RT: 22.721 min Scan# 2642
Delta R.T. -0.000 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:252 Resp: 5699

Ion	Ratio	Lower	Upper
252	100		
253	34.9	19.8	29.8#
125	39.1	15.8	23.8#



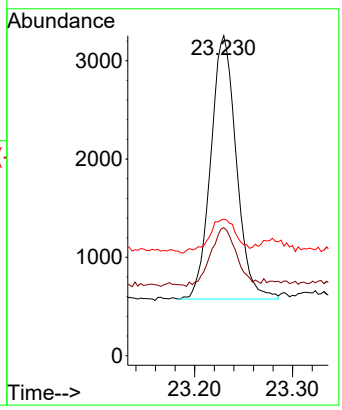


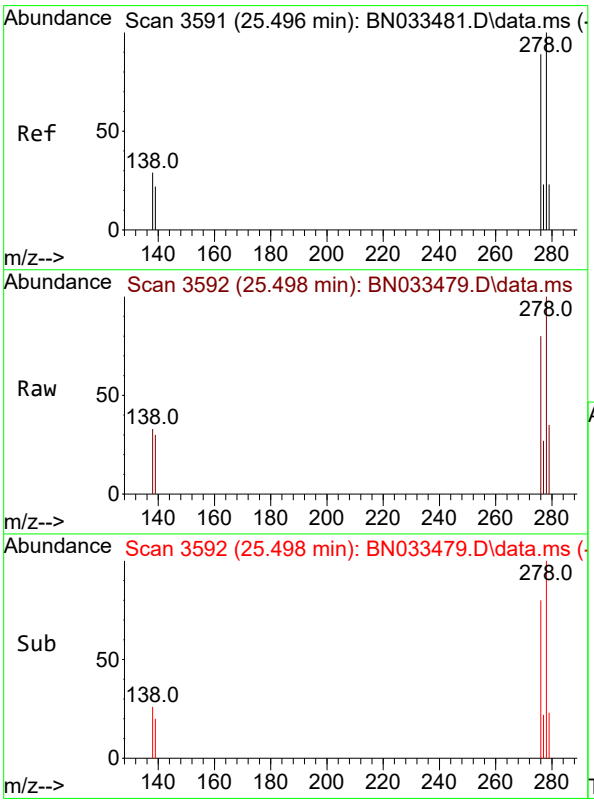
#39
Benzo(a)pyrene
Concen: 0.097 ng
RT: 23.230 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 4861

Ion	Ratio	Lower	Upper
252	100		
253	40.0	21.5	32.3#
125	42.6	17.0	25.4#

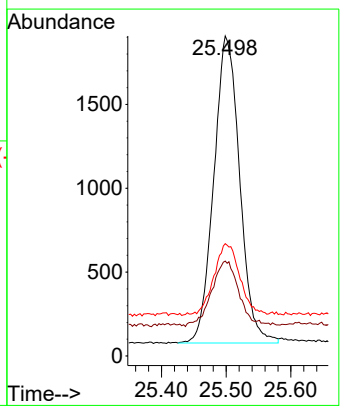


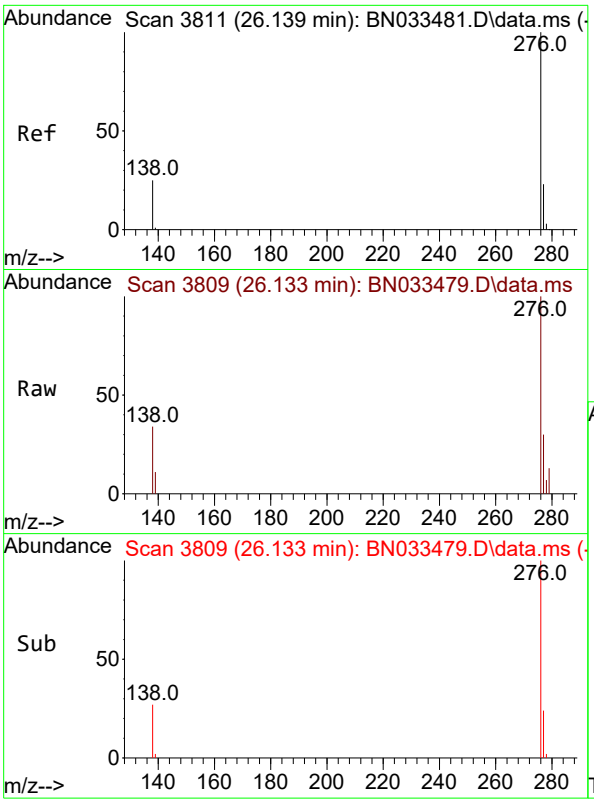


#40
Dibenzo(a,h)anthracene
Concen: 0.098 ng
RT: 25.498 min Scan# 3592
Delta R.T. 0.003 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Tgt Ion:278 Resp: 5079

Ion	Ratio	Lower	Upper
278	100		
139	29.7	19.1	28.7#
279	35.1	21.0	31.4#





#41
Benzo(g,h,i)perylene
Concen: 0.097 ng
RT: 26.133 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN033479.D
Acq: 19 Aug 2024 16:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 5542

Ion	Ratio	Lower	Upper
276	100		
277	29.6	19.7	29.5#
138	33.9	21.8	32.6#