Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090624\
Data File : BN033789.D
Acq On : 06 Sep 2024 19:08
Operator : MA/JU
Sample : IDOC-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Quant Time: Sep 07 01:37:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 18:36:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	4272	0.400	ng	0.00
7) Naphthalene-d8	10.271	136	11003	0.400	ng	# 0.00
13) Acenaphthene-d10	14.146	164	5011	0.400	ng	-0.01
19) Phenanthrene-d10	16.904	188	9677	0.400	ng	0.00
29) Chrysene-d12	21.112	240	7380	0.400	ng	0.00
35) Perylene-d12	23.268	264	7509	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.154	112	4095	0.313	ng	0.00
5) Phenol-d6	6.707	99	4706	0.304	ng	0.00
8) Nitrobenzene-d5	8.649	82	3578	0.382	ng	0.00
11) 2-Methylnaphthalene-d10	11.869	152	7118	0.458	ng	0.00
14) 2,4,6-Tribromophenol	15.651	330	716	0.283	ng	0.00
15) 2-Fluorobiphenyl	12.767	172	8317	0.398	ng	0.00
27) Fluoranthene-d10	18.942	212	8948	0.375	ng	0.00
31) Terphenyl-d14	19.560	244	6177	0.393	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.168	88	1579	0.325	ng	# 52
3) n-Nitrosodimethylamine	3.457	42	2457	0.431	ng	# 88
6) bis(2-Chloroethyl)ether	6.953	93	4578	0.392	ng	99
9) Naphthalene	10.314	128	11462	0.390	ng	99
10) Hexachlorobutadiene	10.613	225	2435	0.398	ng	# 98
12) 2-Methylnaphthalene	11.941	142	7069	0.392	ng	97
16) Acenaphthylene	13.868	152	8736	0.403	ng	99
17) Acenaphthene	14.210	154	6011	0.405	ng	98
18) Fluorene	15.204	166	7220	0.394	ng	100
20) 4,6-Dinitro-2-methylph...	15.290	198	570	0.373	ng	# 79
21) 4-Bromophenyl-phenylether	16.110	248	2141	0.382	ng	94
22) Hexachlorobenzene	16.209	284	2549	0.396	ng	95
23) Atrazine	16.383	200	1720	0.384	ng	# 87
24) Pentachlorophenol	16.557	266	1536	0.584	ng	98
25) Phenanthrene	16.942	178	10876	0.408	ng	100
26) Anthracene	17.028	178	9297	0.401	ng	99
28) Fluoranthene	18.975	202	11294	0.378	ng	99
30) Pyrene	19.337	202	11707	0.394	ng	100
32) Benzo(a)anthracene	21.094	228	10252	0.389	ng	98
33) Chrysene	21.148	228	11033	0.423	ng	99
34) Bis(2-ethylhexyl)phtha...	21.059	149	5263	0.366	ng	100
36) Indeno(1,2,3-cd)pyrene	25.396	276	13464	0.434	ng	98
37) Benzo(b)fluoranthene	22.630	252	11040	0.400	ng	98
38) Benzo(k)fluoranthene	22.671	252	11833	0.440	ng	99
39) Benzo(a)pyrene	23.174	252	10065	0.436	ng	98
40) Dibenzo(a,h)anthracene	25.416	278	10620	0.427	ng	98
41) Benzo(g,h,i)perylene	26.045	276	10744	0.398	ng	98

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

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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 18:36:01 2024
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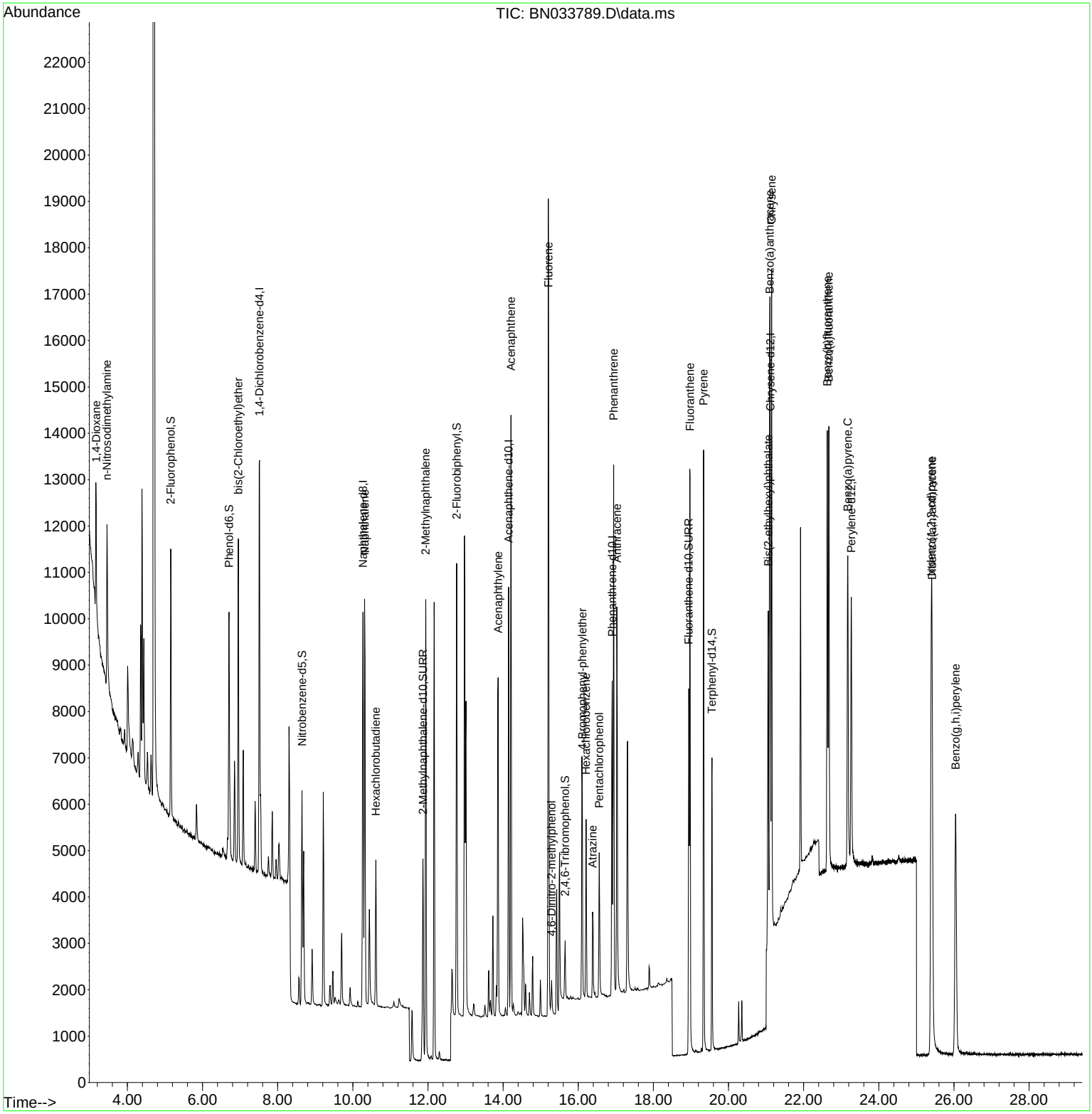
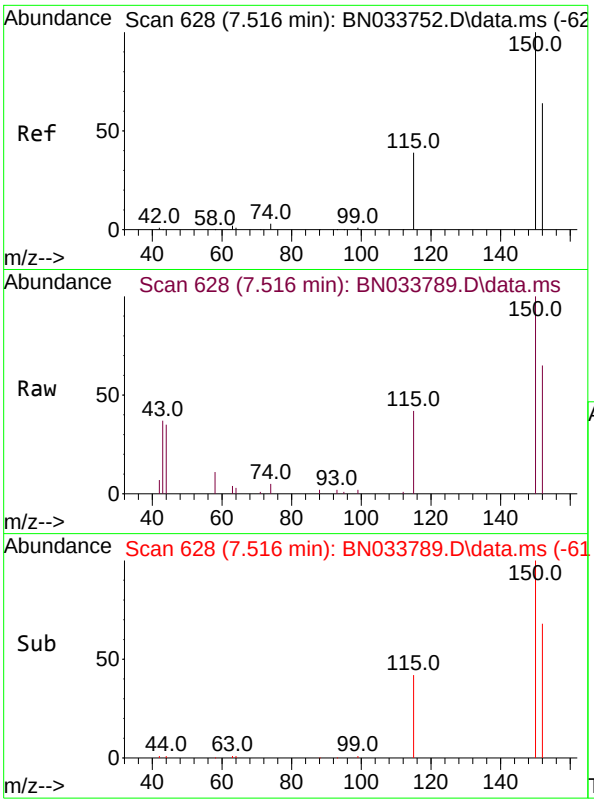


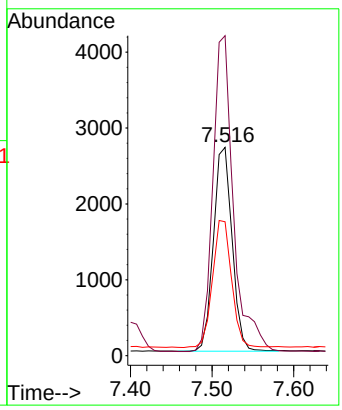


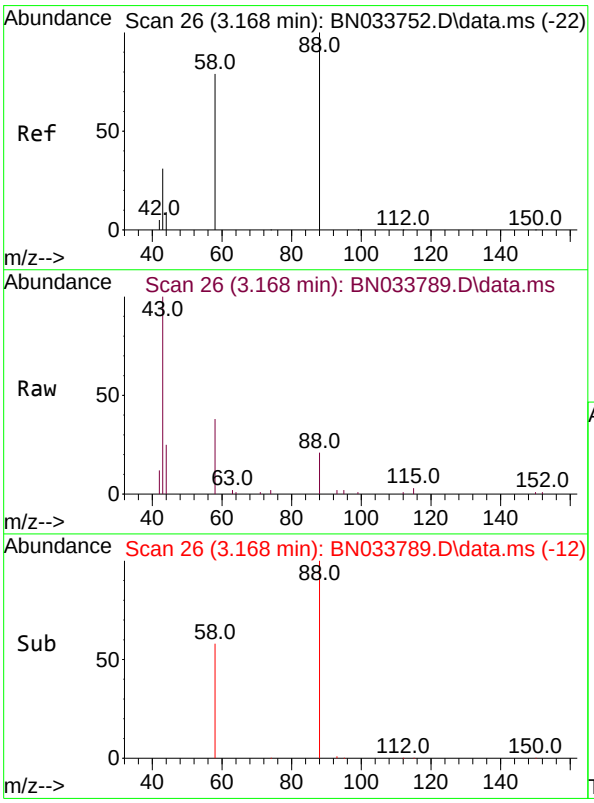
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.516 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:152 Resp: 4272

Ion	Ratio	Lower	Upper
152	100		
150	153.6	123.3	184.9
115	64.2	51.0	76.4

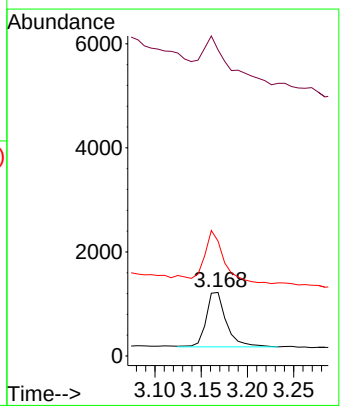


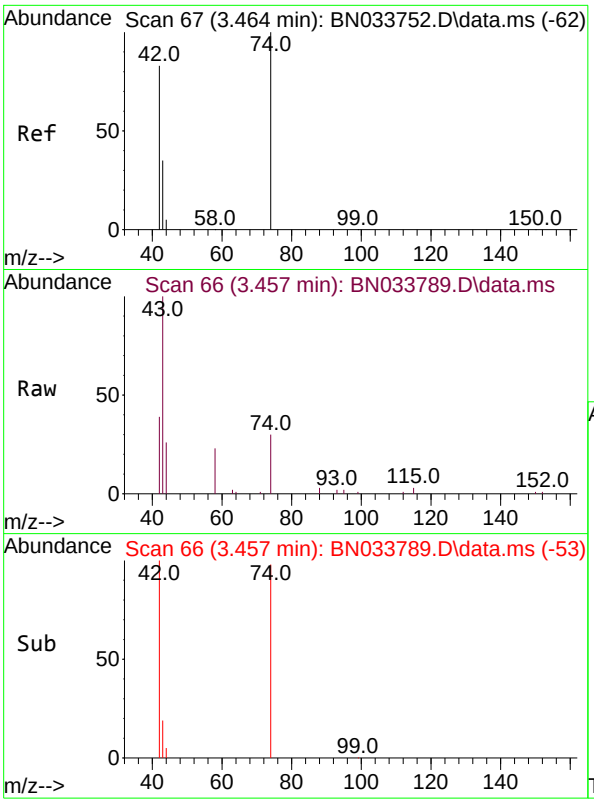


#2
1,4-Dioxane
Concen: 0.325 ng
RT: 3.168 min Scan# 26
Delta R.T. 0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion: 88 Resp: 1579

Ion	Ratio	Lower	Upper
88	100		
43	111.4	29.0	43.4#
58	90.8	64.1	96.1



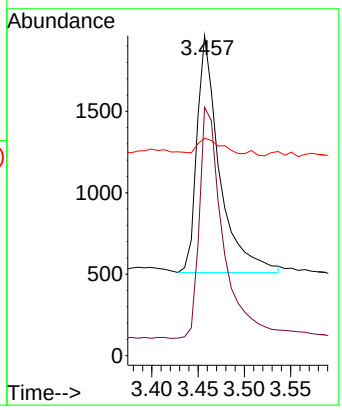


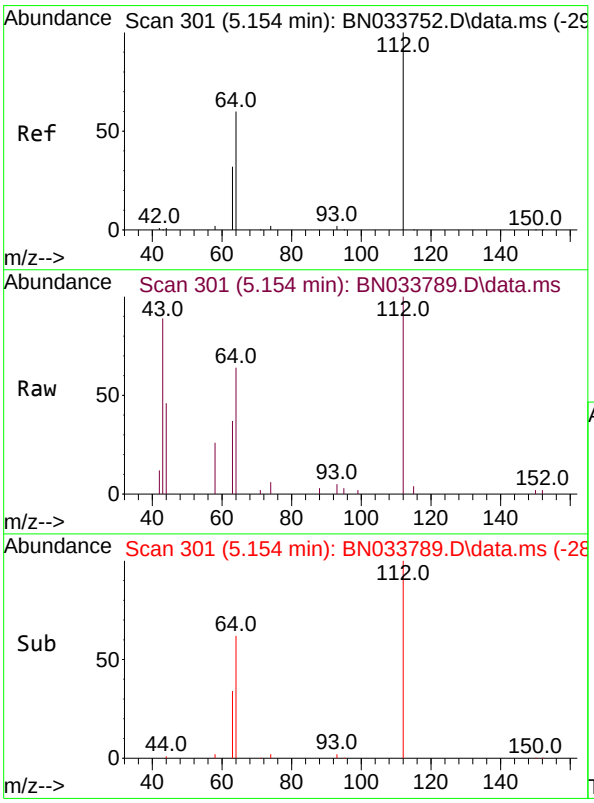
#3
n-Nitrosodimethylamine
Concen: 0.431 ng
RT: 3.457 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion: 42 Resp: 2457

Ion	Ratio	Lower	Upper
42	100		
74	103.1	93.5	140.3
44	6.3	7.4	11.0#

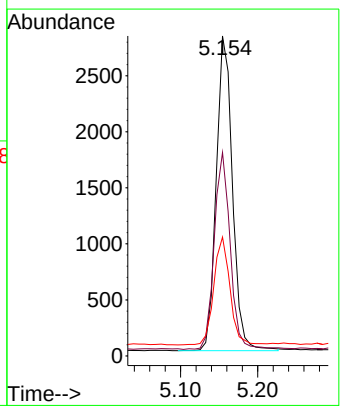


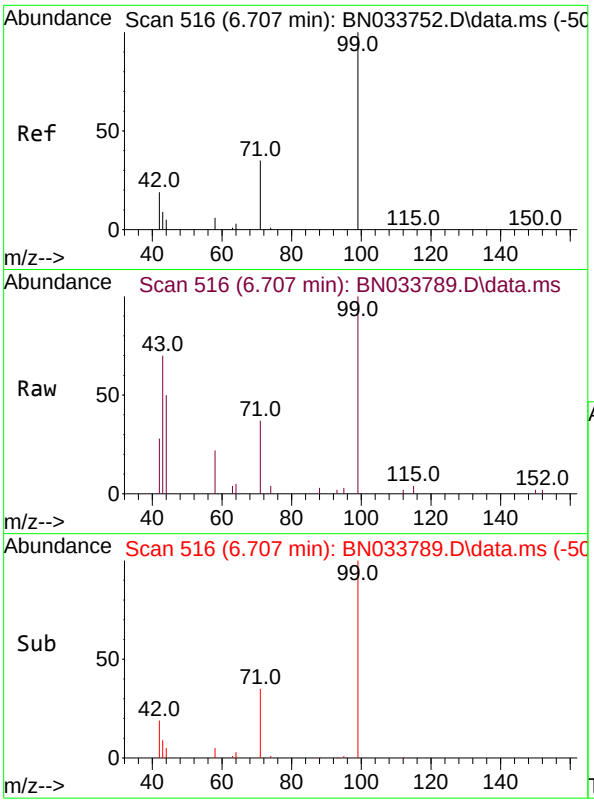


#4
2-Fluorophenol
Concen: 0.313 ng
RT: 5.154 min Scan# 301
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:112 Resp: 4095

Ion	Ratio	Lower	Upper
112	100		
64	61.8	47.6	71.4
63	34.3	25.9	38.9



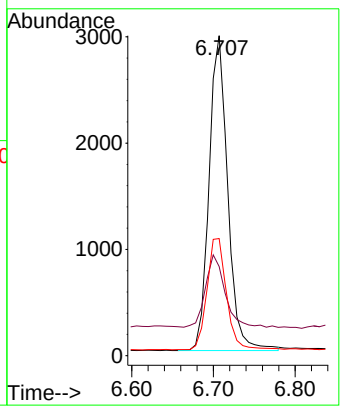


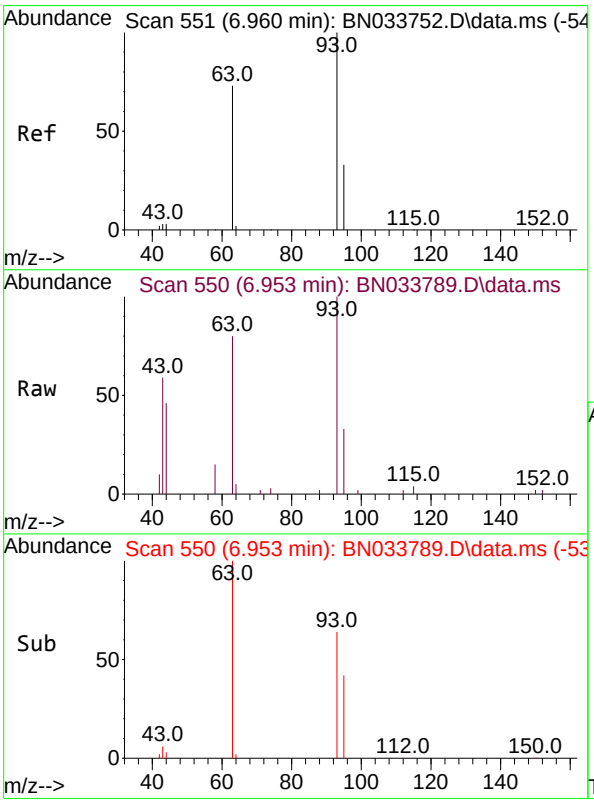
#5
Phenol-d6
Concen: 0.304 ng
RT: 6.707 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion: 99 Resp: 4706

Ion	Ratio	Lower	Upper
99	100		
42	24.2	18.0	27.0
71	36.9	28.7	43.1

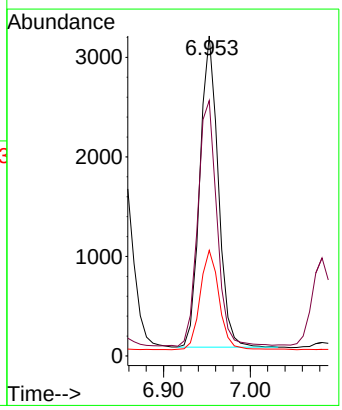


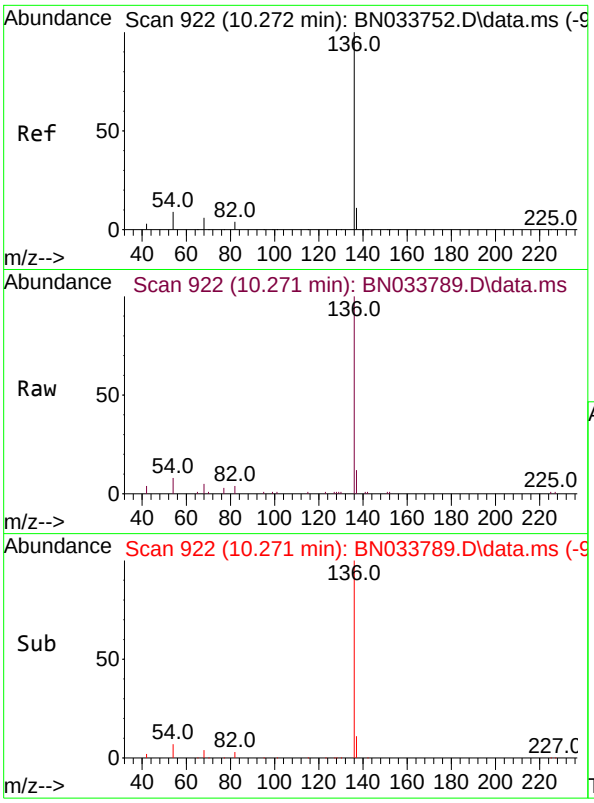


#6
bis(2-Chloroethyl)ether
Concen: 0.392 ng
RT: 6.953 min Scan# 550
Delta R.T. -0.007 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion: 93 Resp: 4578

Ion	Ratio	Lower	Upper
93	100		
63	82.0	64.4	96.6
95	33.2	26.5	39.7



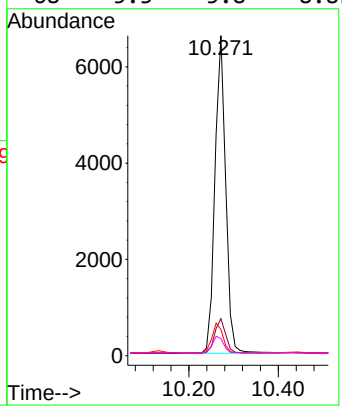


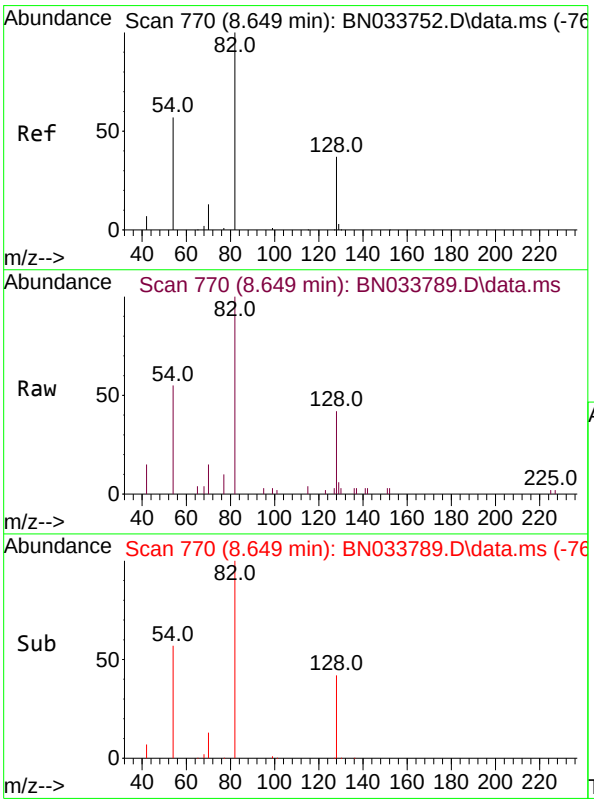
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.271 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:136 Resp: 11003

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	8.2	8.1	12.1
68	5.3	5.8	8.8#

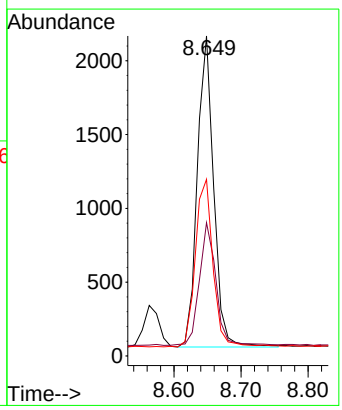


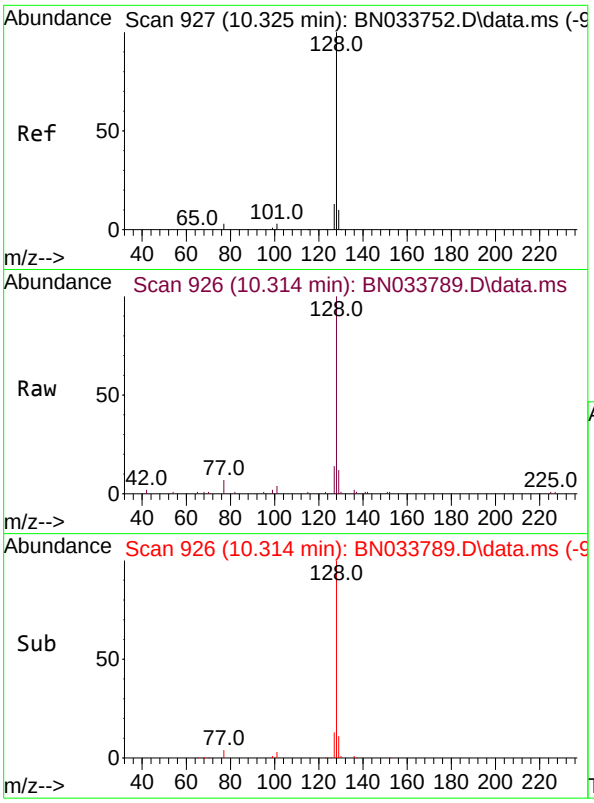


#8
Nitrobenzene-d5
Concen: 0.382 ng
RT: 8.649 min Scan# 770
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion: 82 Resp: 3578

Ion	Ratio	Lower	Upper
82	100		
128	41.7	31.3	46.9
54	55.2	46.9	70.3



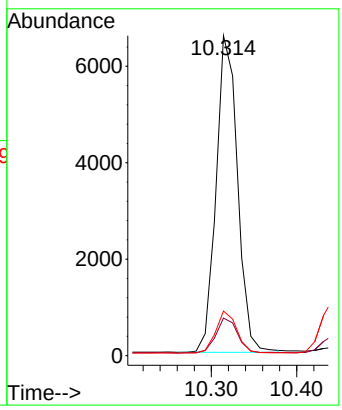


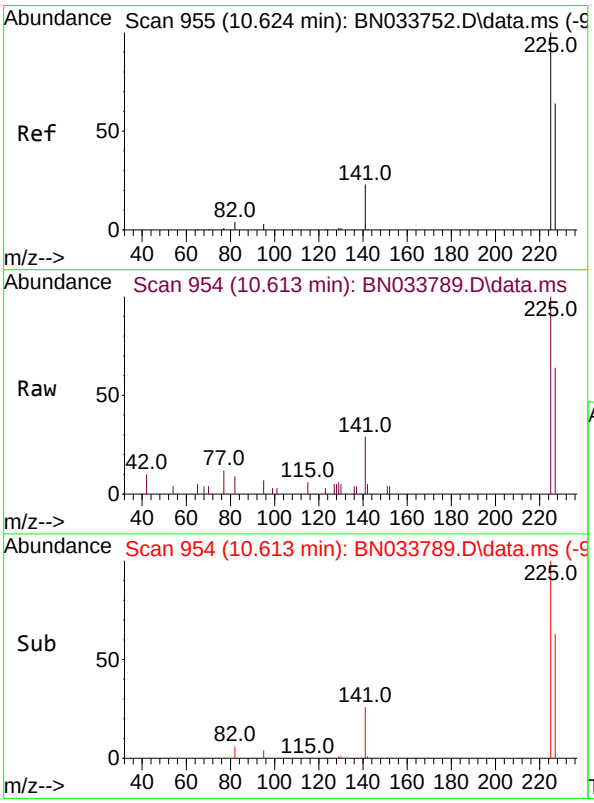
#9
Naphthalene
Concen: 0.390 ng
RT: 10.314 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:128 Resp: 11462

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.9	13.3
127	13.9	10.8	16.2

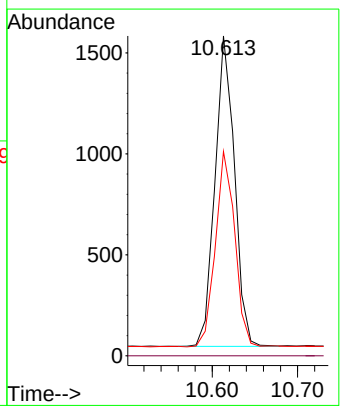


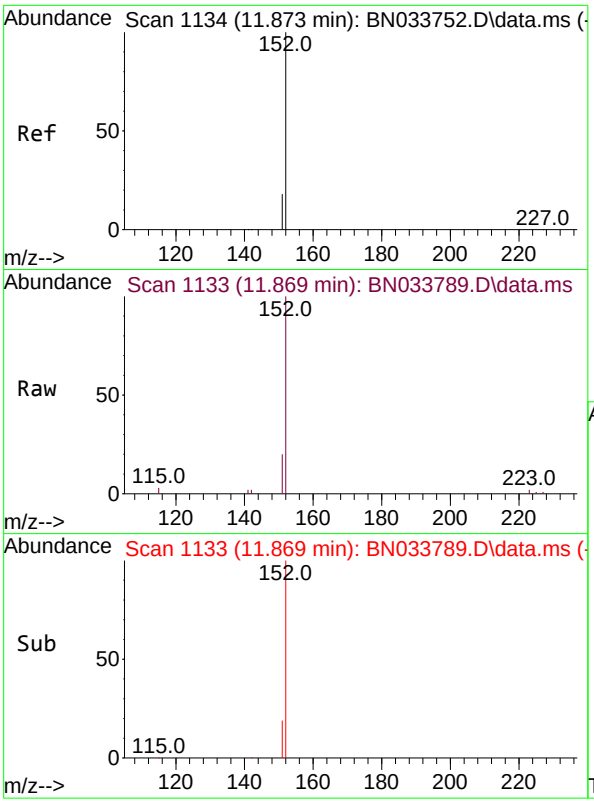


#10
Hexachlorobutadiene
Concen: 0.398 ng
RT: 10.613 min Scan# 954
Delta R.T. -0.011 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:225 Resp: 2435

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.4	51.2	76.8



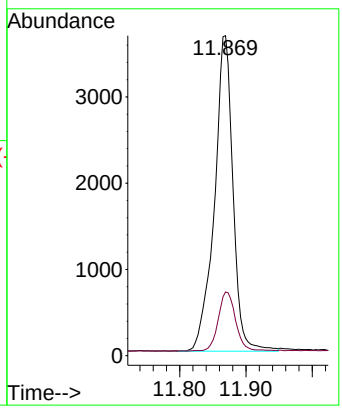


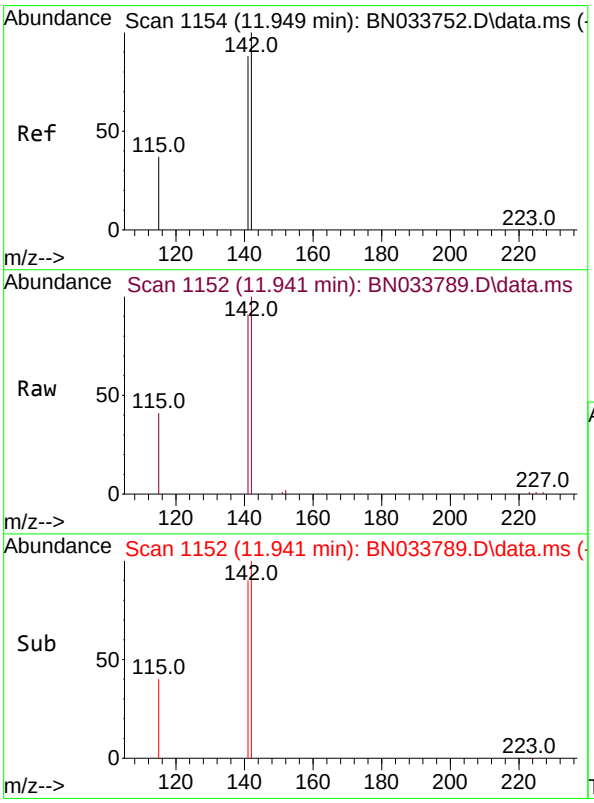
#11
2-Methylnaphthalene-d10
Concen: 0.458 ng
RT: 11.869 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:152 Resp: 7118

Ion	Ratio	Lower	Upper
152	100		
151	17.6	16.7	25.1

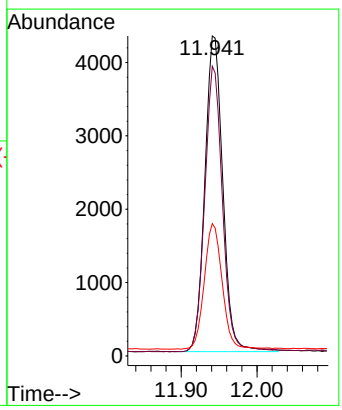


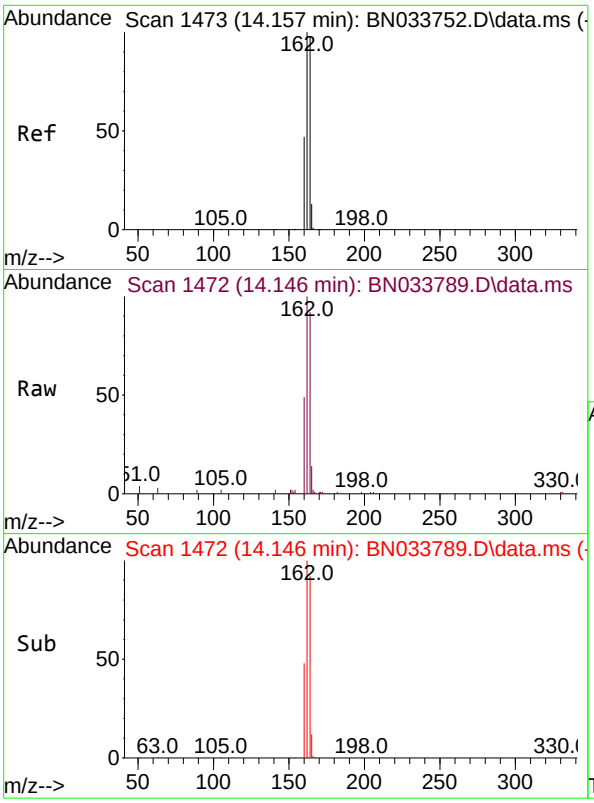


#12
2-Methylnaphthalene
Concen: 0.392 ng
RT: 11.941 min Scan# 1152
Delta R.T. -0.008 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:142 Resp: 7069

Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.9	106.3
115	41.4	31.0	46.4



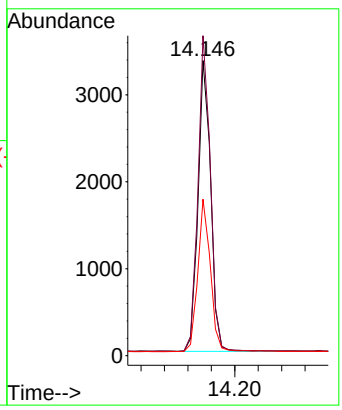


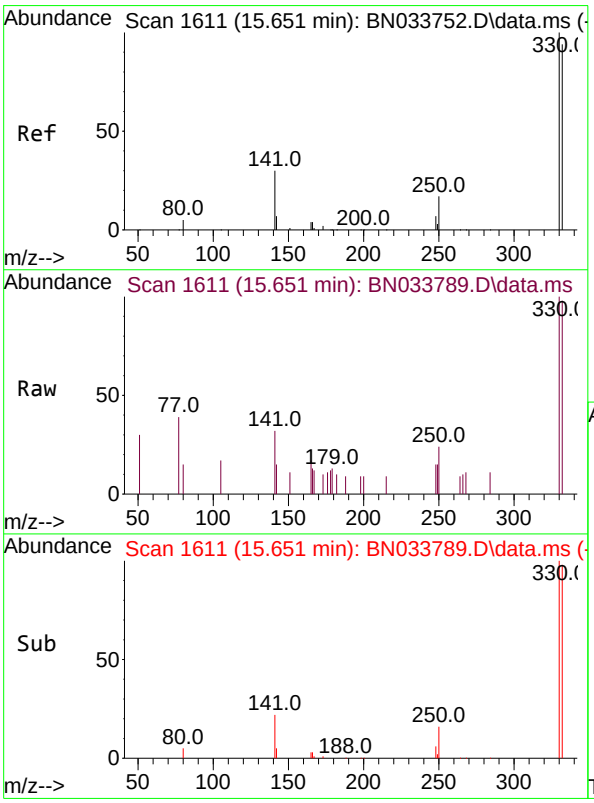
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.146 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:164 Resp: 5011

Ion	Ratio	Lower	Upper
164	100		
162	108.4	82.0	123.0
160	53.0	39.1	58.7

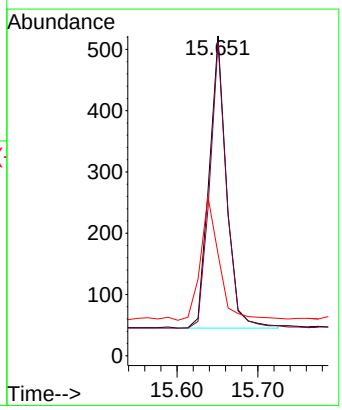


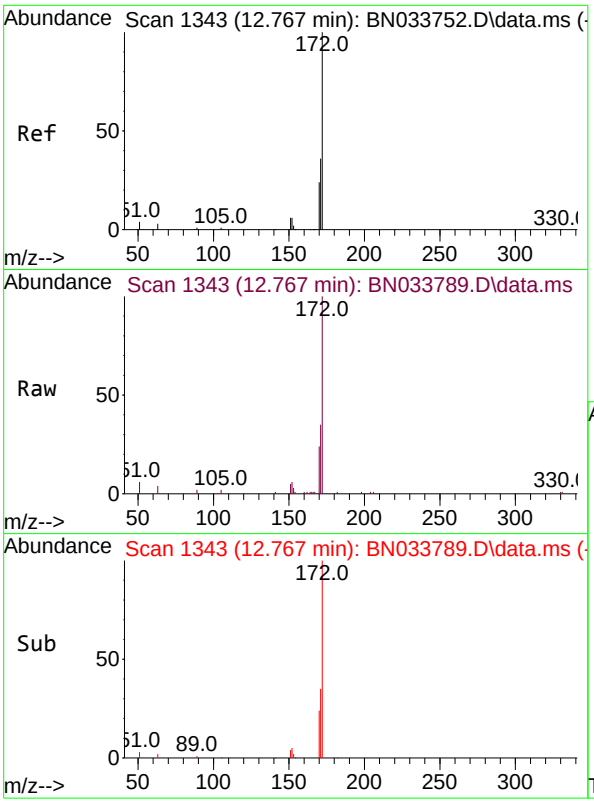


#14
2,4,6-Tribromophenol
Concen: 0.283 ng
RT: 15.651 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:330 Resp: 716

Ion	Ratio	Lower	Upper
330	100		
332	95.1	74.2	111.4
141	45.1	33.9	50.9



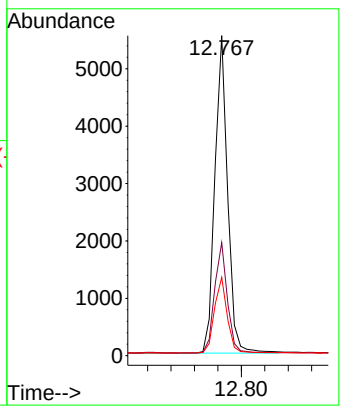


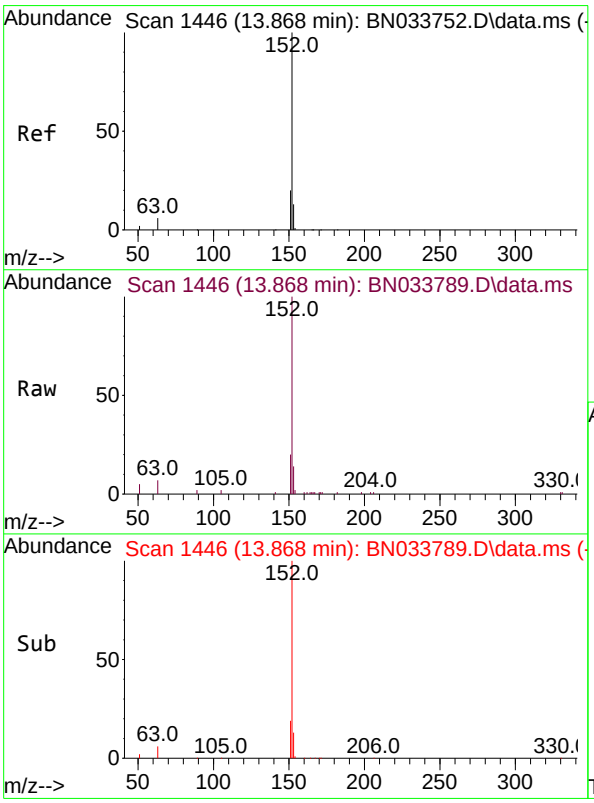
#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 12.767 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:172 Resp: 8317

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	24.4	19.7	29.5

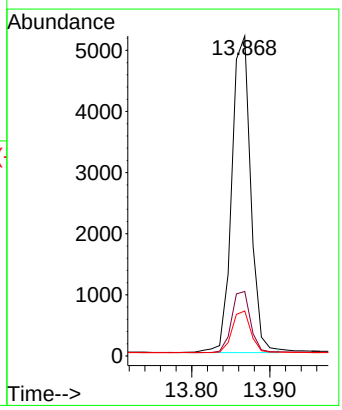


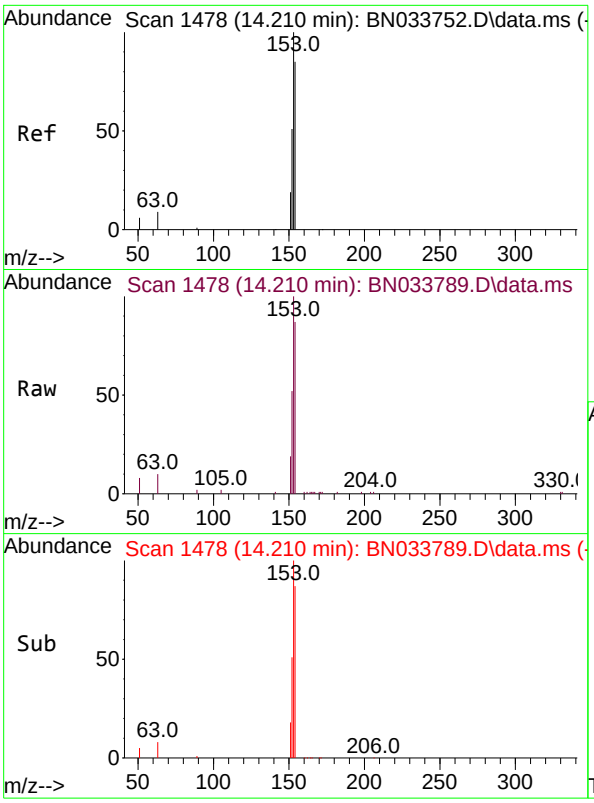


#16
Acenaphthylene
Concen: 0.403 ng
RT: 13.868 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:152 Resp: 8736

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.6	23.4
153	13.0	10.3	15.5



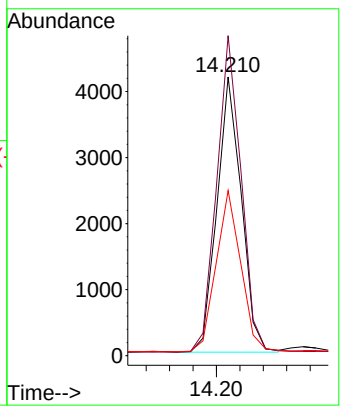


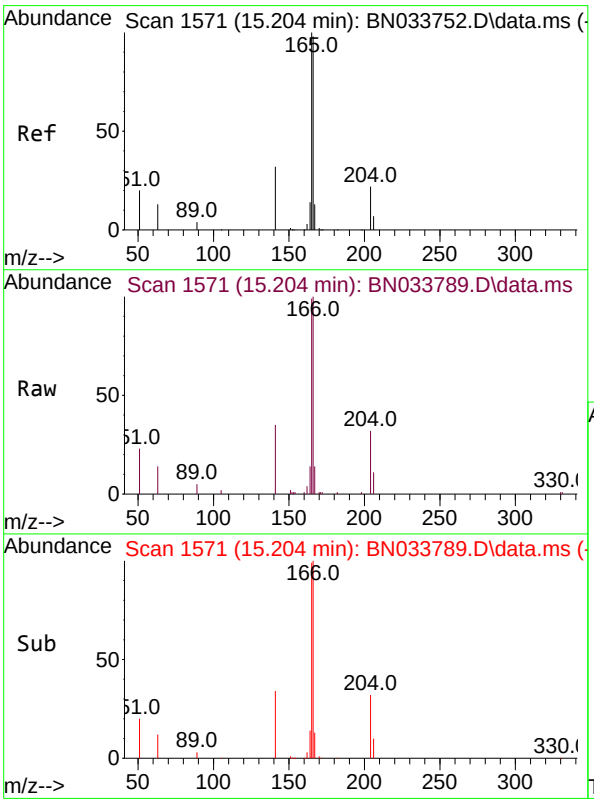
#17
Acenaphthene
Concen: 0.405 ng
RT: 14.210 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:154 Resp: 6011

Ion	Ratio	Lower	Upper
154	100		
153	115.3	91.4	137.2
152	59.5	45.8	68.6

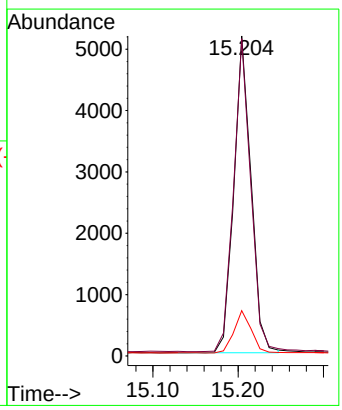


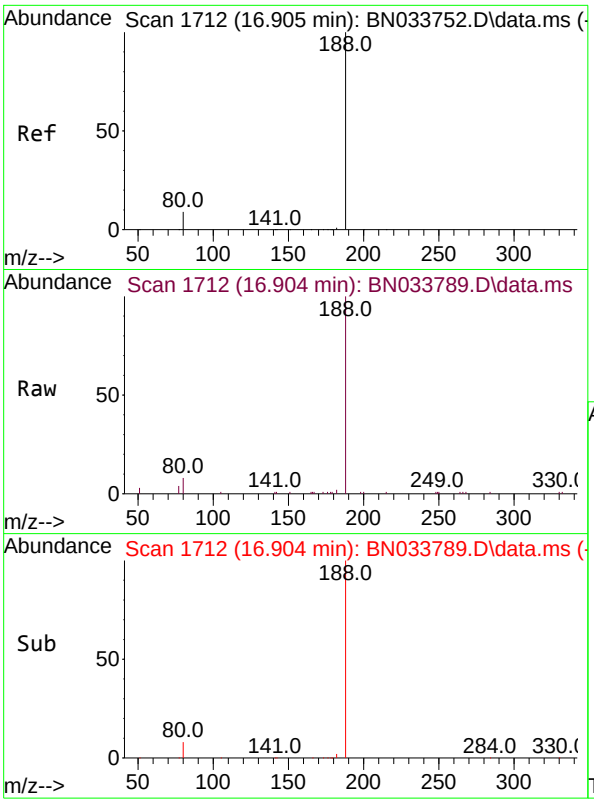


#18
Fluorene
Concen: 0.394 ng
RT: 15.204 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:166 Resp: 7220

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.8	118.2
167	13.4	10.6	16.0



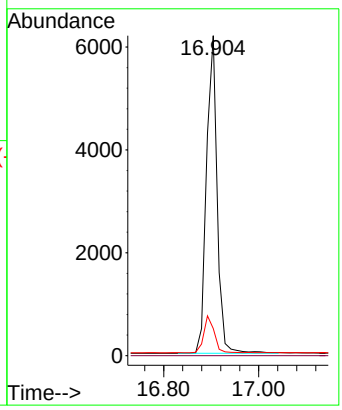


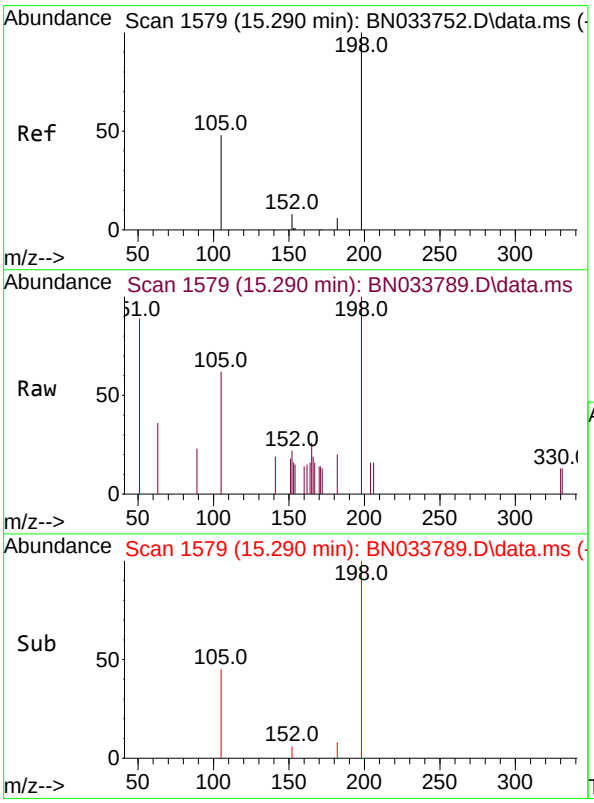
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:188 Resp: 9677

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	7.9	11.9

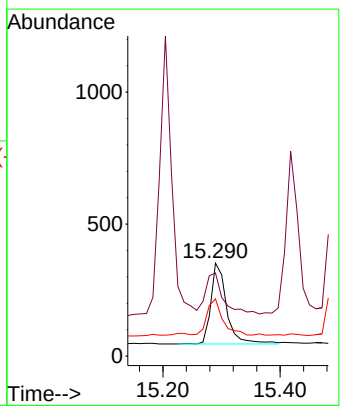


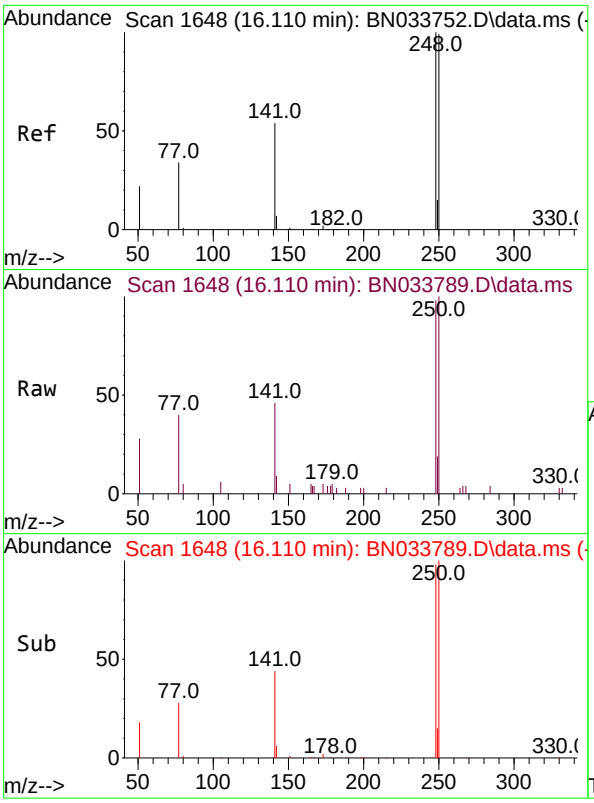


#20
4,6-Dinitro-2-methylphenol
Concen: 0.373 ng
RT: 15.290 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:198 Resp: 570

Ion	Ratio	Lower	Upper
198	100		
51	89.5	92.8	139.2#
105	61.6	59.4	89.0



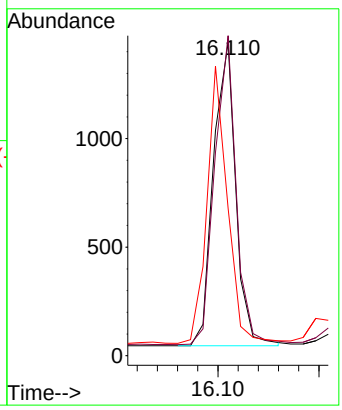


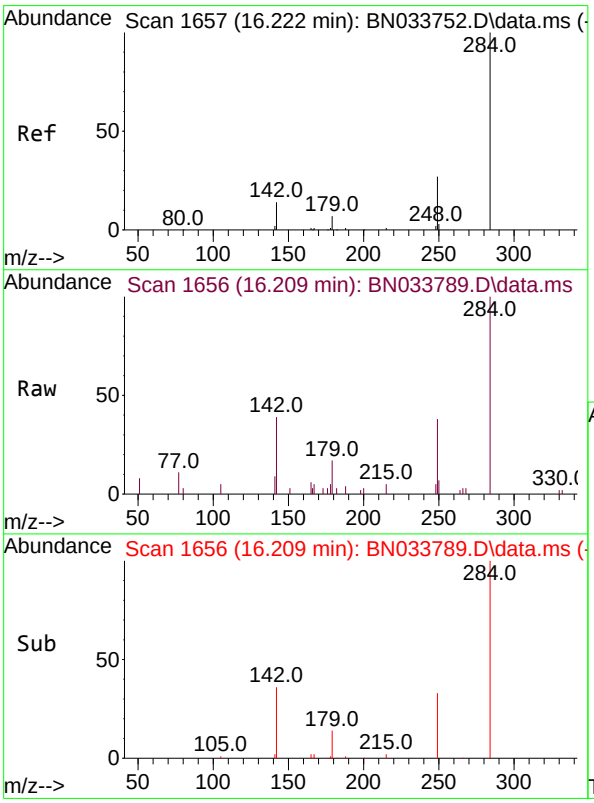
#21
4-Bromophenyl-phenylether
Concen: 0.382 ng
RT: 16.110 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:248 Resp: 2141

Ion	Ratio	Lower	Upper
248	100		
250	102.2	79.5	119.3
141	47.1	44.9	67.3

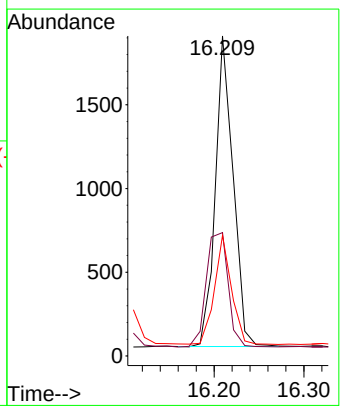


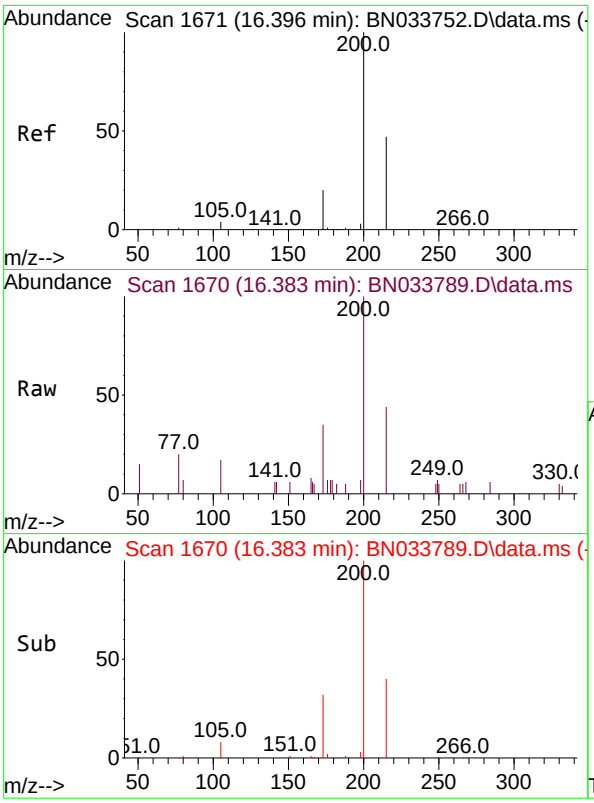


#22
Hexachlorobenzene
Concen: 0.396 ng
RT: 16.209 min Scan# 1656
Delta R.T. -0.013 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:284 Resp: 2549

Ion	Ratio	Lower	Upper
284	100		
142	45.4	32.8	49.2
249	33.7	26.2	39.2



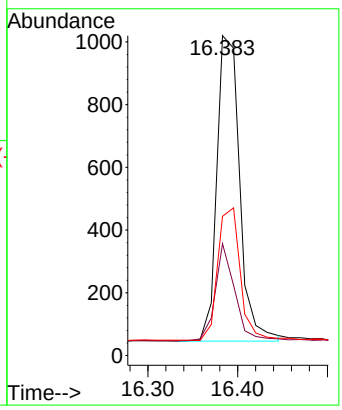


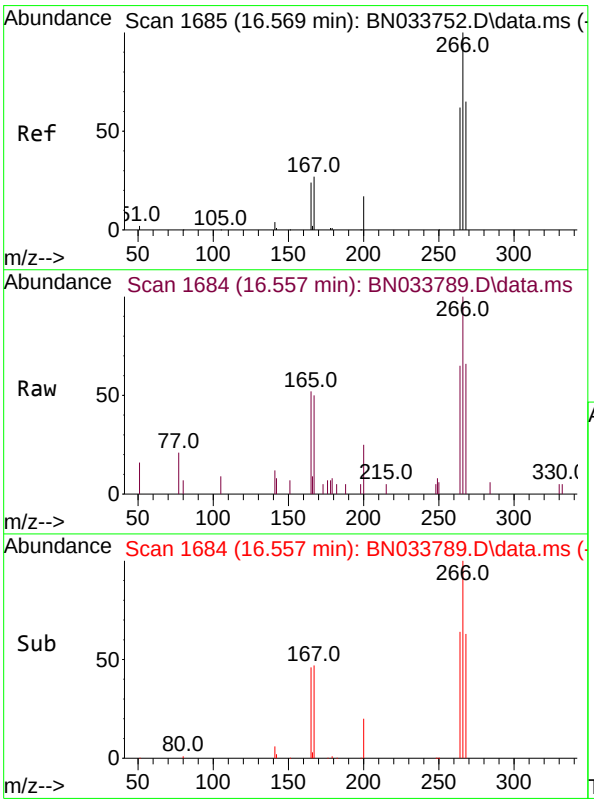
#23
Atrazine
Concen: 0.384 ng
RT: 16.383 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:200 Resp: 1720

Ion	Ratio	Lower	Upper
200	100		
173	35.0	18.2	27.4#
215	43.5	39.0	58.4

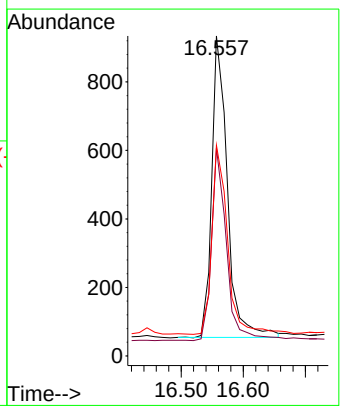


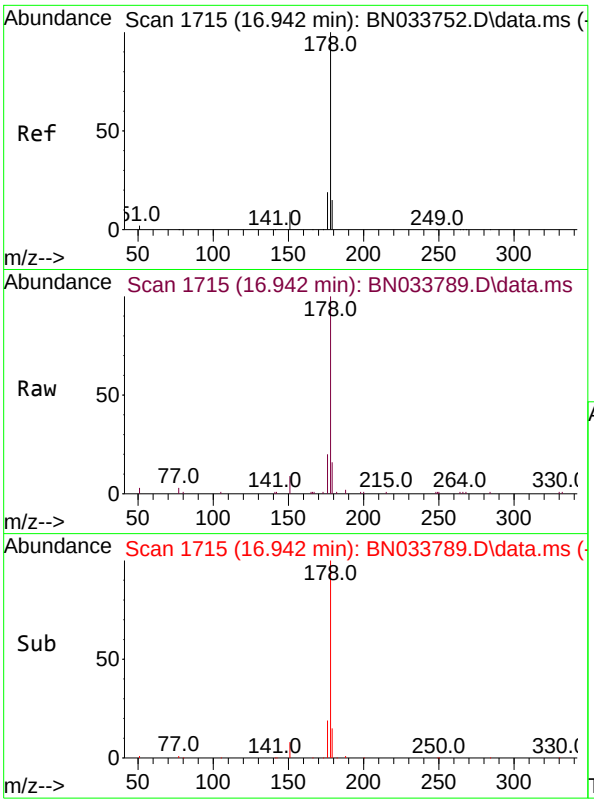


#24
Pentachlorophenol
Concen: 0.584 ng
RT: 16.557 min Scan# 1684
Delta R.T. -0.013 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:266 Resp: 1536

Ion	Ratio	Lower	Upper
266	100		
264	60.5	49.6	74.4
268	63.7	52.2	78.4



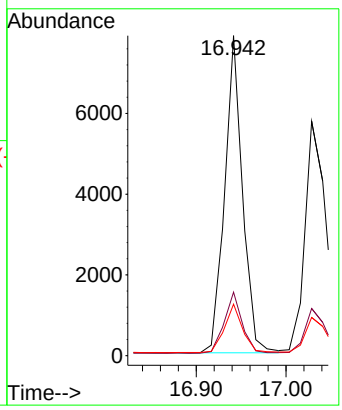


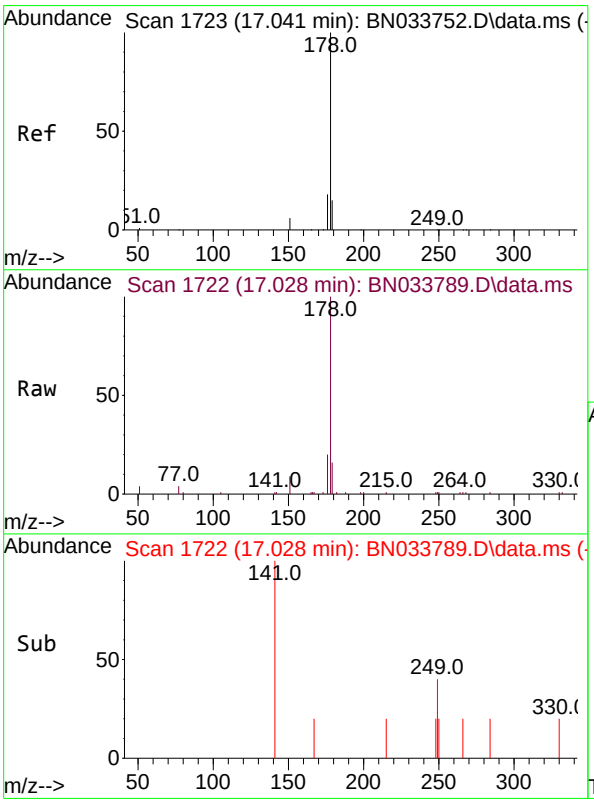
#25
Phenanthrene
Concen: 0.408 ng
RT: 16.942 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:178 Resp: 10876

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.2	18.4

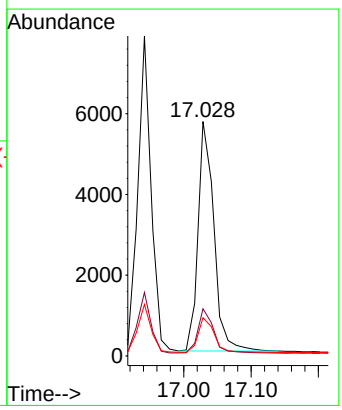


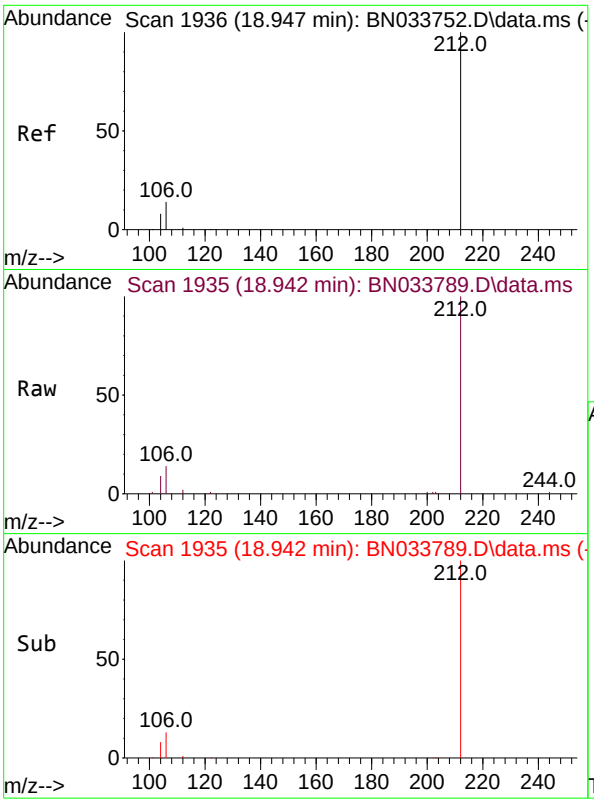


#26
Anthracene
Concen: 0.401 ng
RT: 17.028 min Scan# 1722
Delta R.T. -0.013 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:178 Resp: 9297

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.2	12.4	18.6



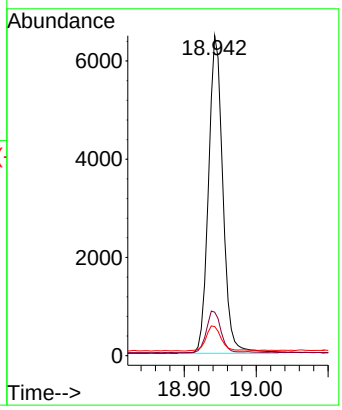


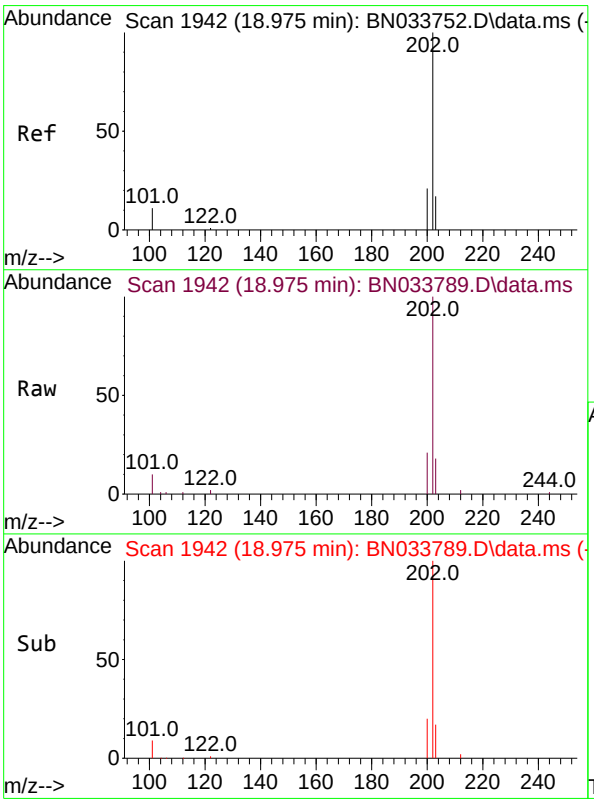
#27
Fluoranthene-d10
Concen: 0.375 ng
RT: 18.942 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:212 Resp: 8948

Ion	Ratio	Lower	Upper
212	100		
106	13.4	11.5	17.3
104	8.3	6.6	9.8

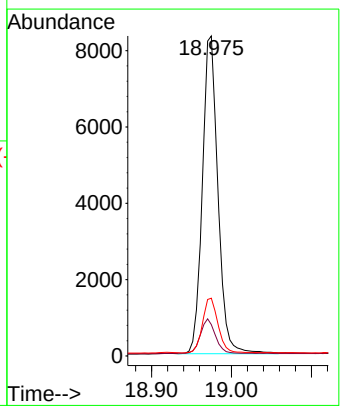


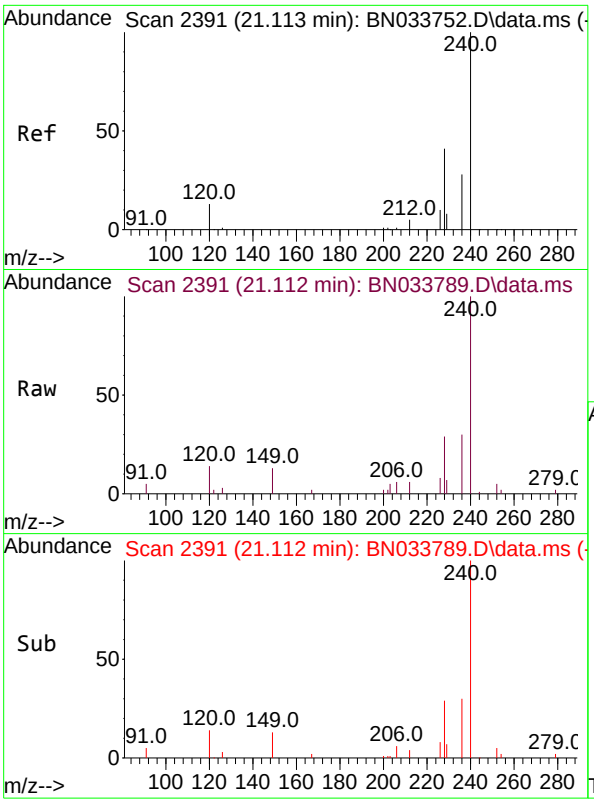


#28
Fluoranthene
Concen: 0.378 ng
RT: 18.975 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:202 Resp: 11294

Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.2	13.8
203	17.2	13.8	20.6



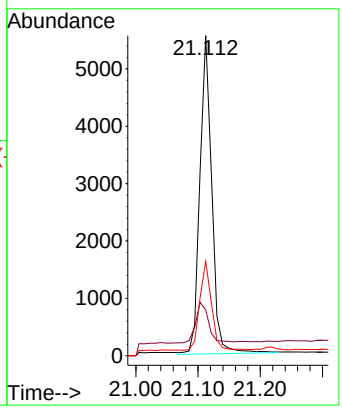


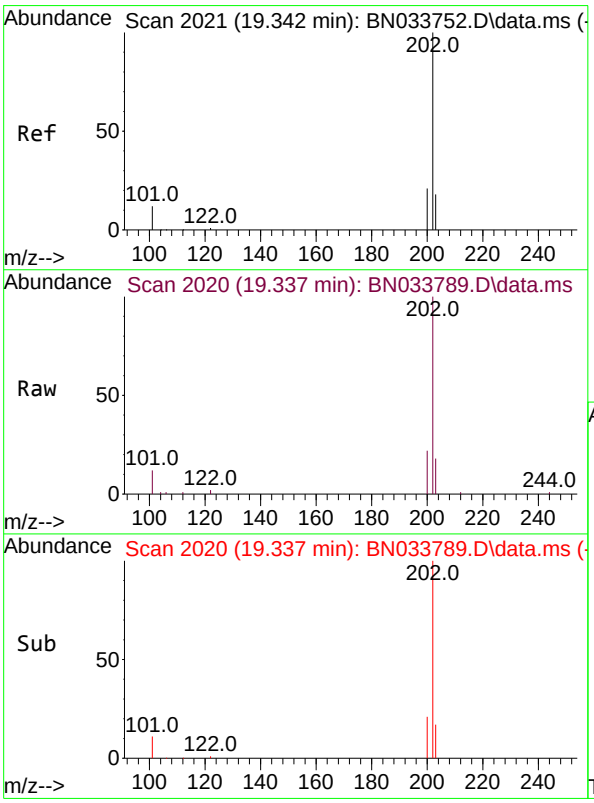
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.112 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:240 Resp: 7380

Ion	Ratio	Lower	Upper
240	100		
120	14.4	13.7	20.5
236	29.5	23.4	35.2

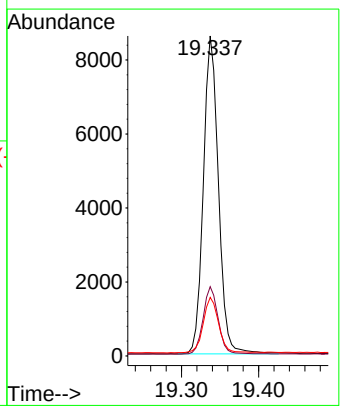


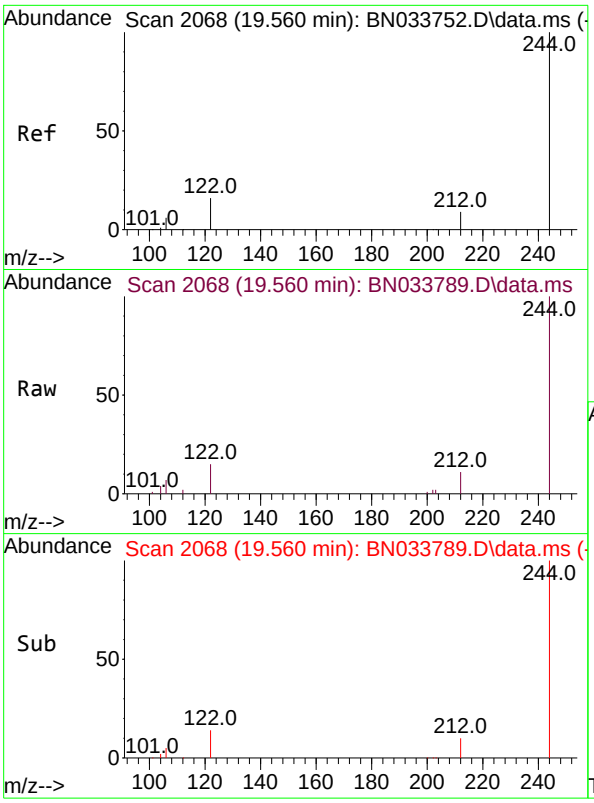


#30
Pyrene
Concen: 0.394 ng
RT: 19.337 min Scan# 2020
Delta R.T. -0.005 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:202 Resp: 11707

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	18.1	14.4	21.6



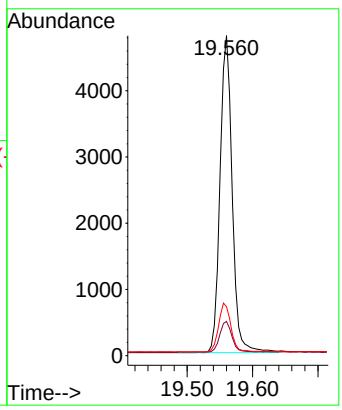


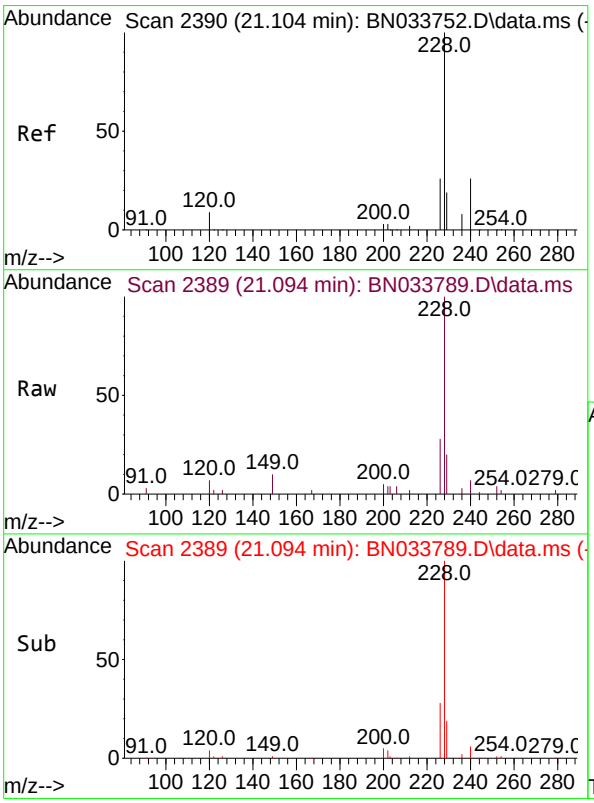
#31
Terphenyl-d14
Concen: 0.393 ng
RT: 19.560 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:244 Resp: 6177

Ion	Ratio	Lower	Upper
244	100		
212	10.7	7.9	11.9
122	15.3	13.2	19.8

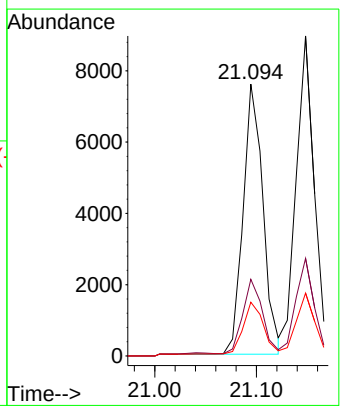


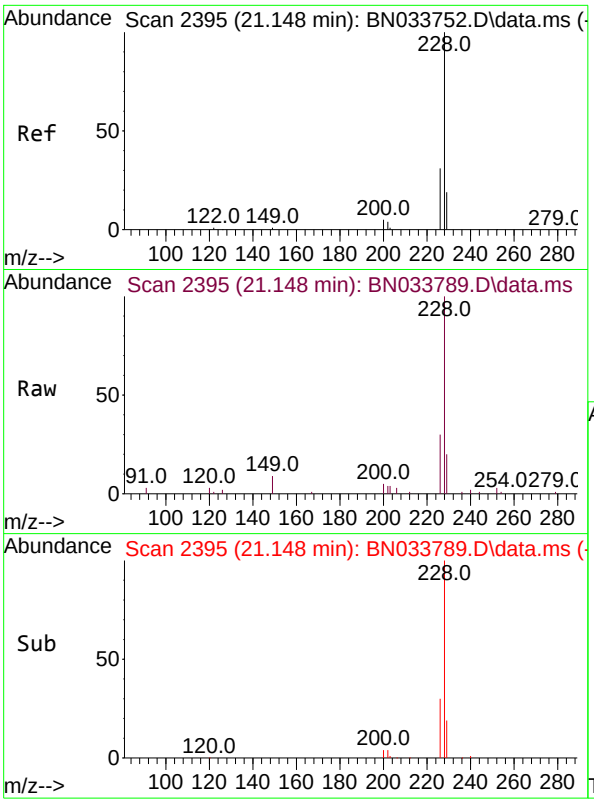


#32
Benzo(a)anthracene
Concen: 0.389 ng
RT: 21.094 min Scan# 2389
Delta R.T. -0.009 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:228 Resp: 10252

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.2	31.8
229	19.8	15.9	23.9



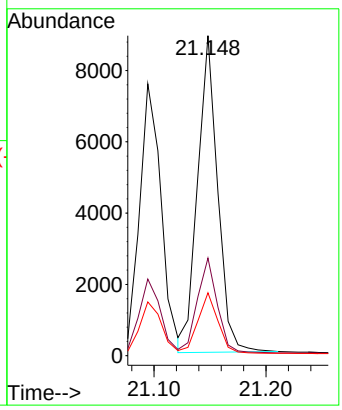


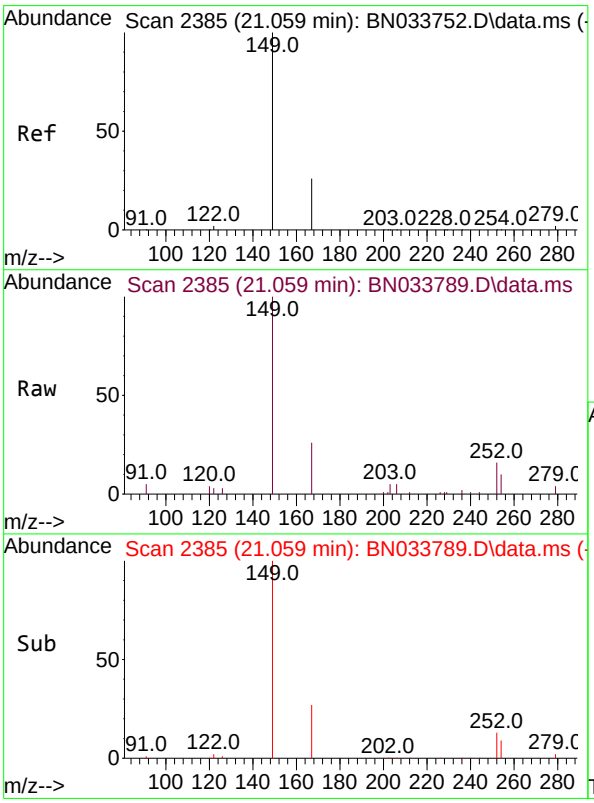
#33
Chrysene
Concen: 0.423 ng
RT: 21.148 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:228 Resp: 11033

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	19.6	15.6	23.4

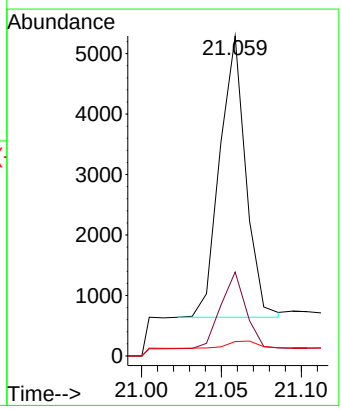


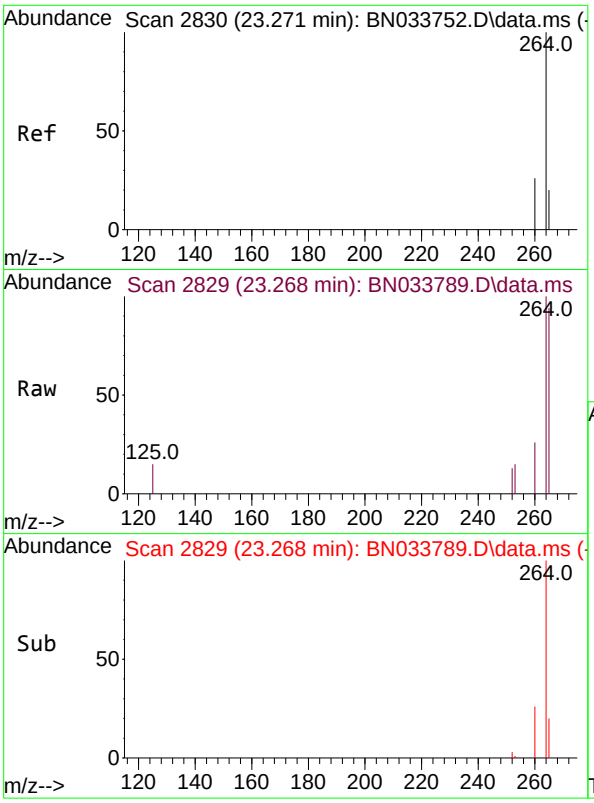


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.366 ng
RT: 21.059 min Scan# 2385
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:149 Resp: 5263

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.0	31.4
279	3.1	2.4	3.6



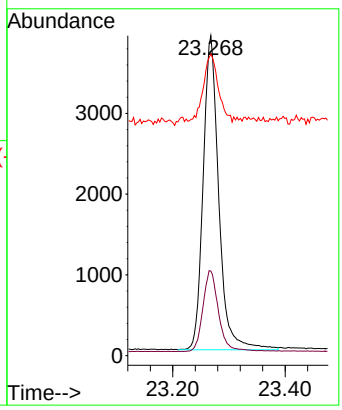


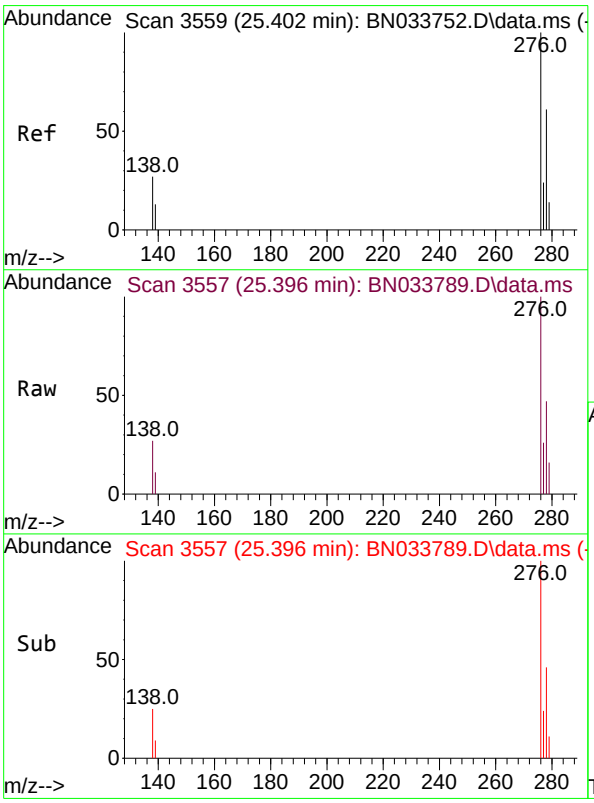
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.268 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:264 Resp: 7509

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.1	31.7
265	94.2	72.0	108.0

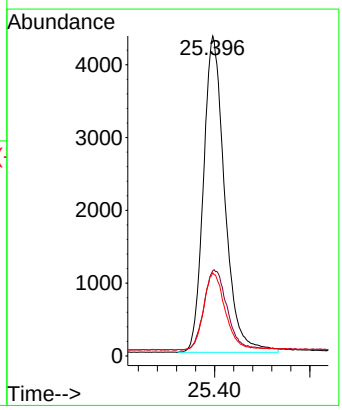


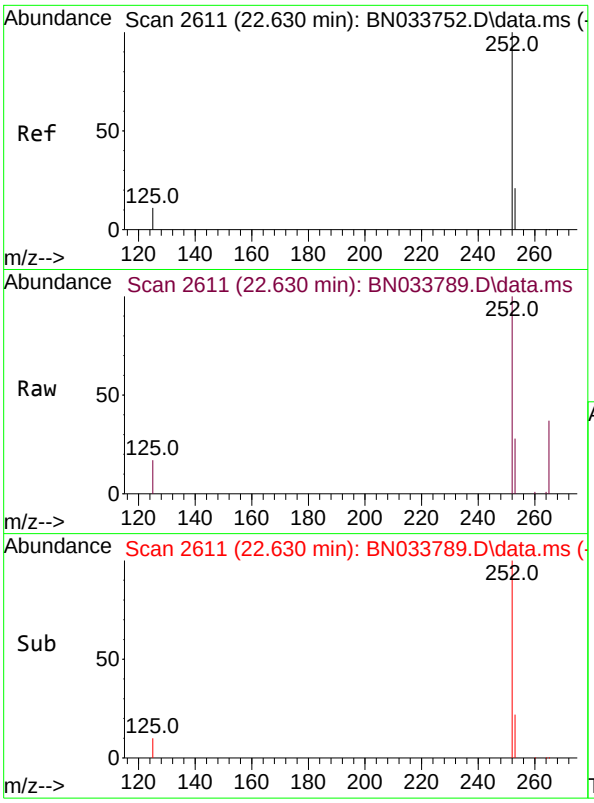


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.434 ng
RT: 25.396 min Scan# 3557
Delta R.T. -0.006 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:276 Resp: 13464

Ion	Ratio	Lower	Upper
276	100		
138	27.1	23.0	34.6
277	24.8	20.2	30.4



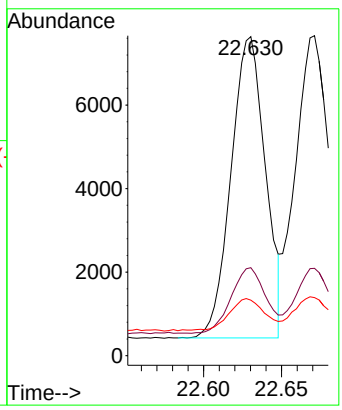


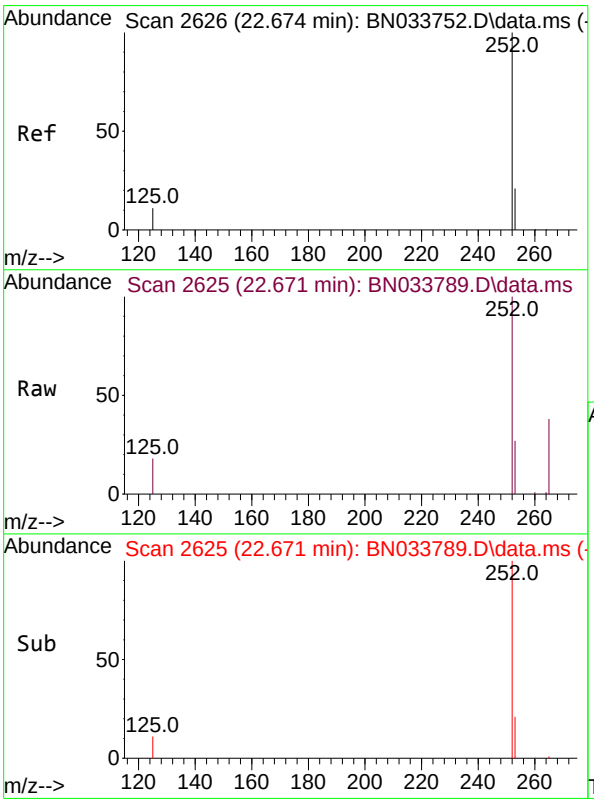
#37
Benzo(b)fluoranthene
Concen: 0.400 ng
RT: 22.630 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:252 Resp: 11040

Ion	Ratio	Lower	Upper
252	100		
253	27.6	21.8	32.6
125	17.4	15.4	23.0

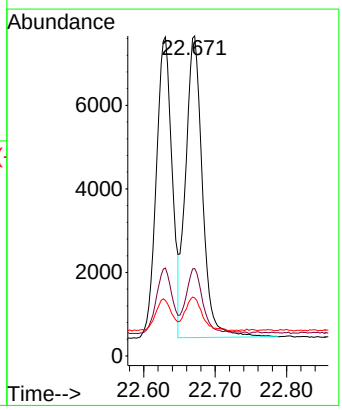


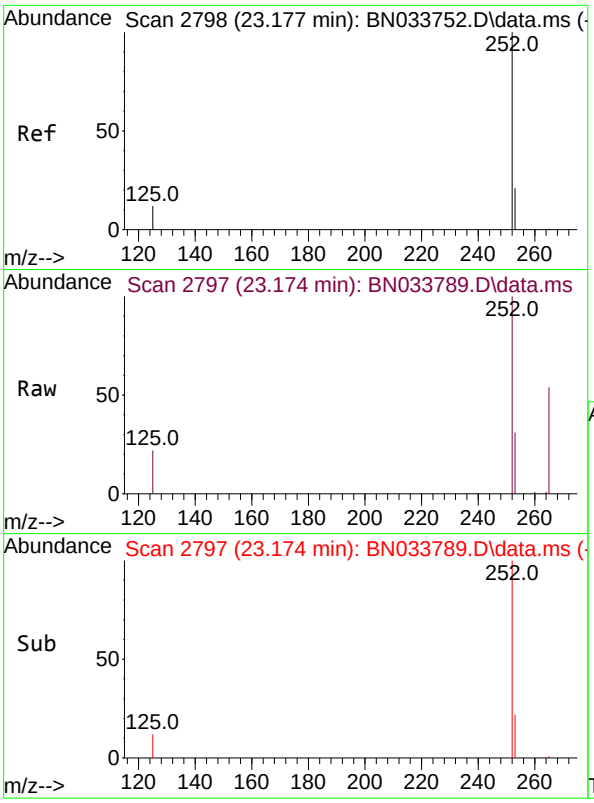


#38
Benzo(k)fluoranthene
Concen: 0.440 ng
RT: 22.671 min Scan# 2625
Delta R.T. -0.003 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:252 Resp: 11833

Ion	Ratio	Lower	Upper
252	100		
253	27.3	21.8	32.8
125	18.2	15.4	23.2



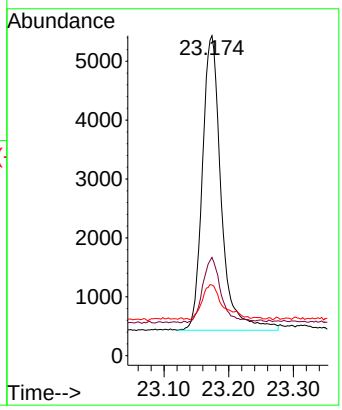


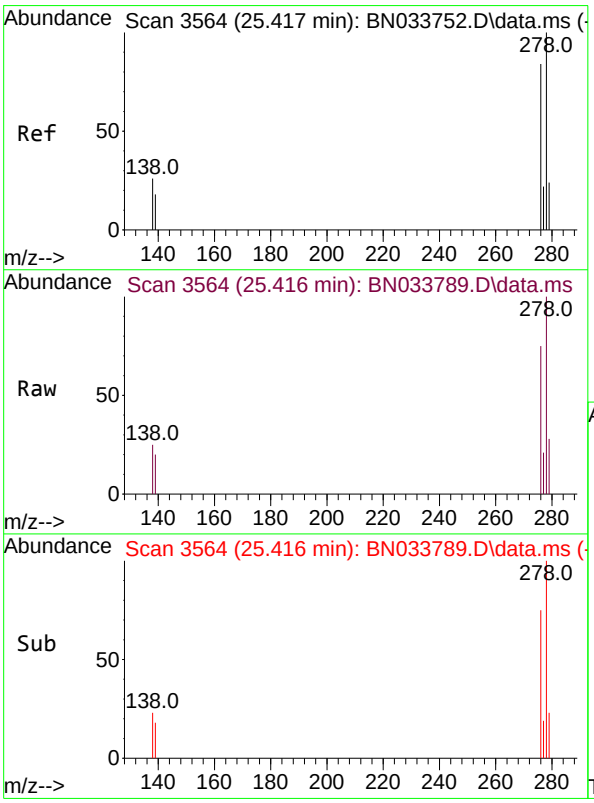
#39
Benzo(a)pyrene
Concen: 0.436 ng
RT: 23.174 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:252 Resp: 10065

Ion	Ratio	Lower	Upper
252	100		
253	30.7	24.0	36.0
125	22.1	19.1	28.7

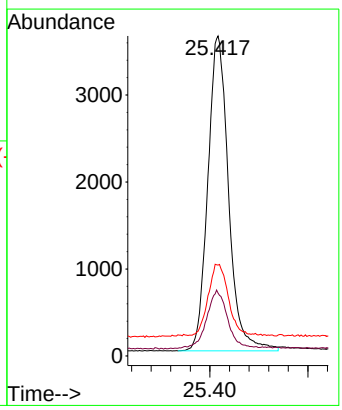


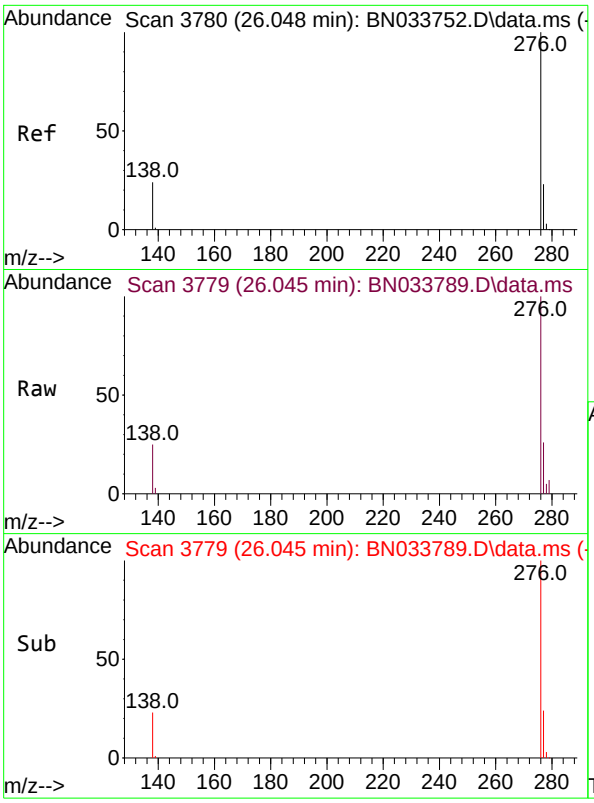


#40
Dibenzo(a,h)anthracene
Concen: 0.427 ng
RT: 25.416 min Scan# 3564
Delta R.T. -0.000 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Tgt Ion:278 Resp: 10620

Ion	Ratio	Lower	Upper
278	100		
139	19.7	16.7	25.1
279	28.4	23.4	35.0





#41
Benzo(g,h,i)perylene
Concen: 0.398 ng
RT: 26.045 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN033789.D
Acq: 06 Sep 2024 19:08

Instrument :
BNA_N
ClientSampleId :
IDOC-04

Tgt Ion:276 Resp: 10744

Ion	Ratio	Lower	Upper
276	100		
277	26.1	20.3	30.5
138	25.2	20.9	31.3