Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120722\
Data File : BN023088.D
Acq On : 07 Dec 2022 15:03
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Dec 08 02:20:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 08 02:17:45 2022
Response via : Initial Calibration

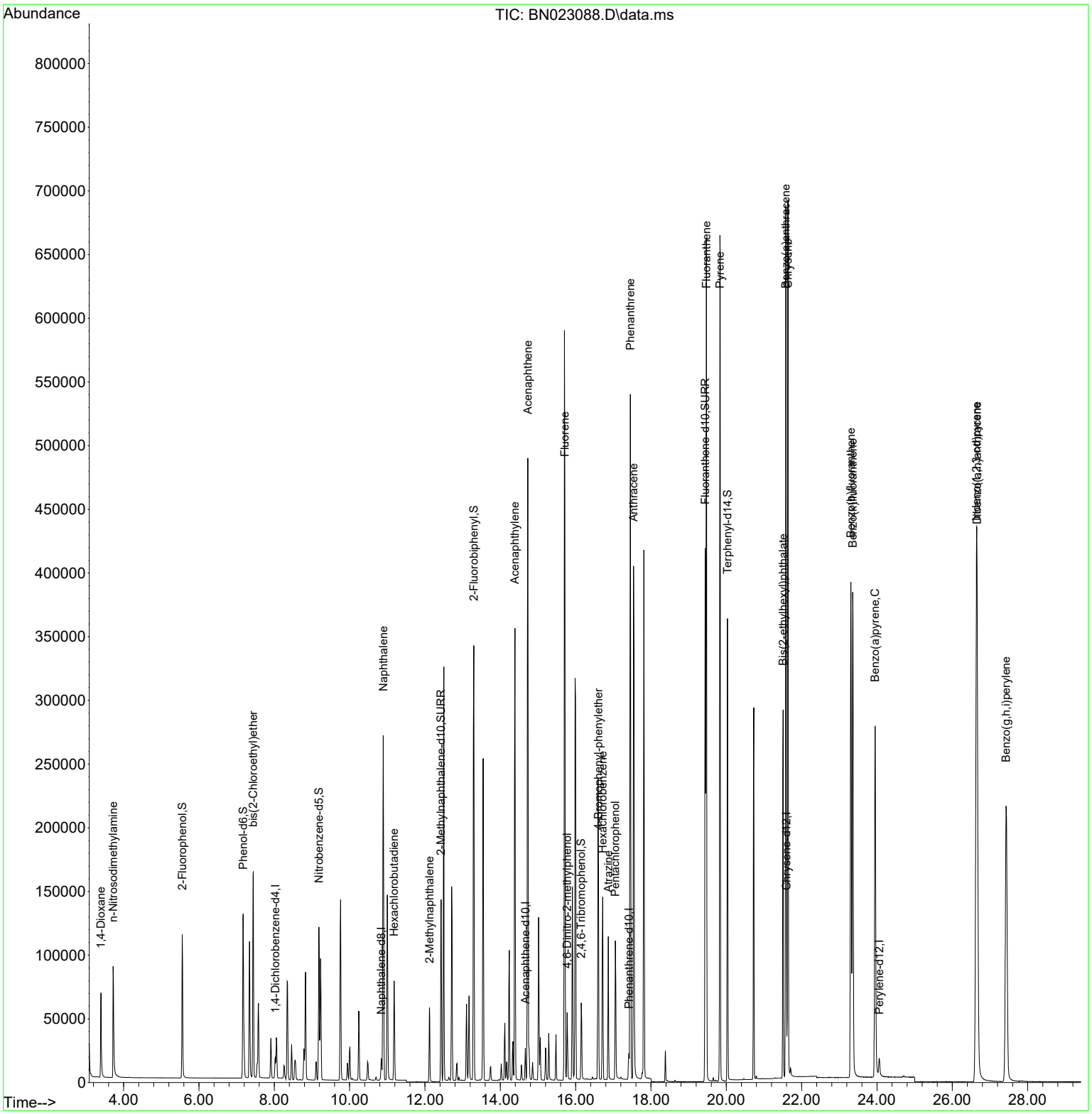
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.028	152	7767	0.400	ng		0.00
7) Naphthalene-d8	10.840	136	21565	0.400	ng		0.00
13) Acenaphthene-d10	14.666	164	12804	0.400	ng		0.00
19) Phenanthrene-d10	17.414	188	27341	0.400	ng		0.00
29) Chrysene-d12	21.598	240	25997	0.400	ng		0.00
35) Perylene-d12	24.062	264	19775	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.558	112	88858	4.861	ng		0.00
5) Phenol-d6	7.175	99	120100	5.196	ng		0.00
8) Nitrobenzene-d5	9.185	82	91037	5.636	ng		0.00
11) 2-Methylnaphthalene-d10	12.427	152	236165	5.456	ng		0.00
14) 2,4,6-Tribromophenol	16.148	330	34490	6.314	ng		0.00
15) 2-Fluorobiphenyl	13.298	172	289311	5.114	ng		0.00
27) Fluoranthene-d10	19.439	212	428313	5.692	ng		0.00
31) Terphenyl-d14	20.031	244	261704	4.868	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.398	88	44400	4.553	ng		96
3) n-Nitrosodimethylamine	3.723	42	49478	5.076	ng	#	97
6) bis(2-Chloroethyl)ether	7.443	93	116726	4.689	ng		99
9) Naphthalene	10.893	128	332837	5.200	ng		99
10) Hexachlorobutadiene	11.181	225	59578	4.976	ng	#	99
12) 2-Methylnaphthalene	12.121	142	76200	6.713	ng	#	89
16) Acenaphthylene	14.388	152	363713	6.030	ng		100
17) Acenaphthene	14.730	154	238558	5.459	ng		97
18) Fluorene	15.714	166	266847	5.086	ng		94
20) 4,6-Dinitro-2-methylph...	15.776	198	31470	8.696	ng	#	80
21) 4-Bromophenyl-phenylether	16.608	248	91003	5.383	ng		97
22) Hexachlorobenzene	16.719	284	111146	5.204	ng		99
23) Atrazine	16.868	200	73587	6.093	ng		99
24) Pentachlorophenol	17.054	266	50292	8.516	ng		99
25) Phenanthrene	17.452	178	495846	5.327	ng		100
26) Anthracene	17.538	178	446244	5.953	ng		100
28) Fluoranthene	19.469	202	559922	5.523	ng		99
30) Pyrene	19.831	202	570479	5.109	ng		100
32) Benzo(a)anthracene	21.580	228	543397	5.594	ng		99
33) Chrysene	21.634	228	540379	5.063	ng		99
34) Bis(2-ethylhexyl)phtha...	21.509	149	264768	6.428	ng		99
36) Indeno(1,2,3-cd)pyrene	26.641	276	587206	5.508	ng		99
37) Benzo(b)fluoranthene	23.308	252	500092	5.489	ng	#	94
38) Benzo(k)fluoranthene	23.357	252	517628	5.571	ng	#	95
39) Benzo(a)pyrene	23.951	252	416964	5.641	ng	#	90
40) Dibenzo(a,h)anthracene	26.658	278	464652	5.507	ng		97
41) Benzo(g,h,i)perylene	27.427	276	478017	5.470	ng		97

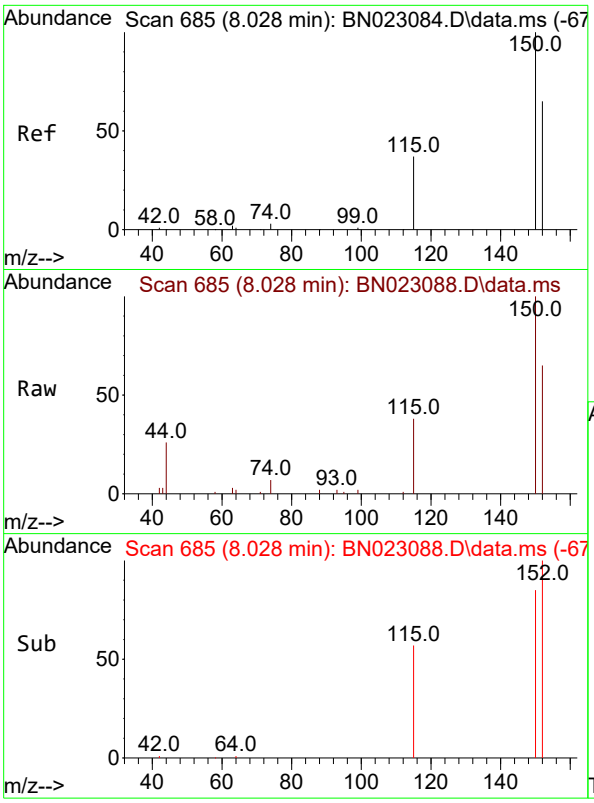
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120722\
Data File : BN023088.D
Acq On : 07 Dec 2022 15:03
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Dec 08 02:20:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 08 02:17:45 2022
Response via : Initial Calibration



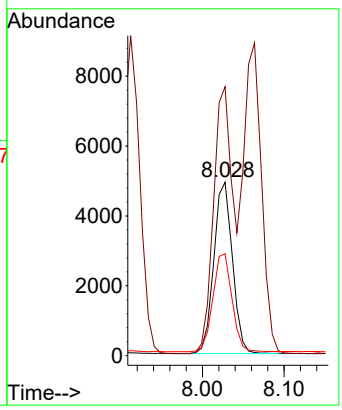


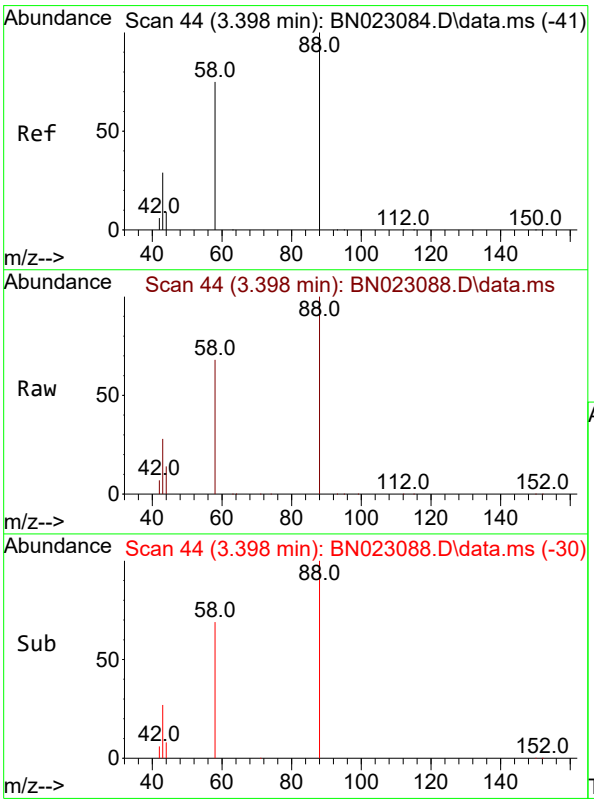
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.028 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 7767

Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.2	184.8
115	58.8	47.0	70.6

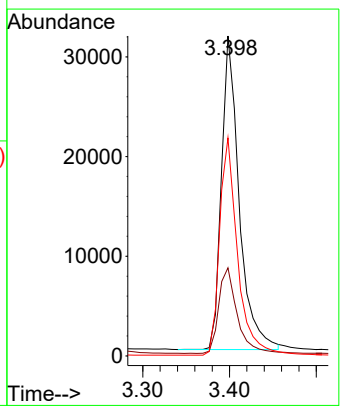


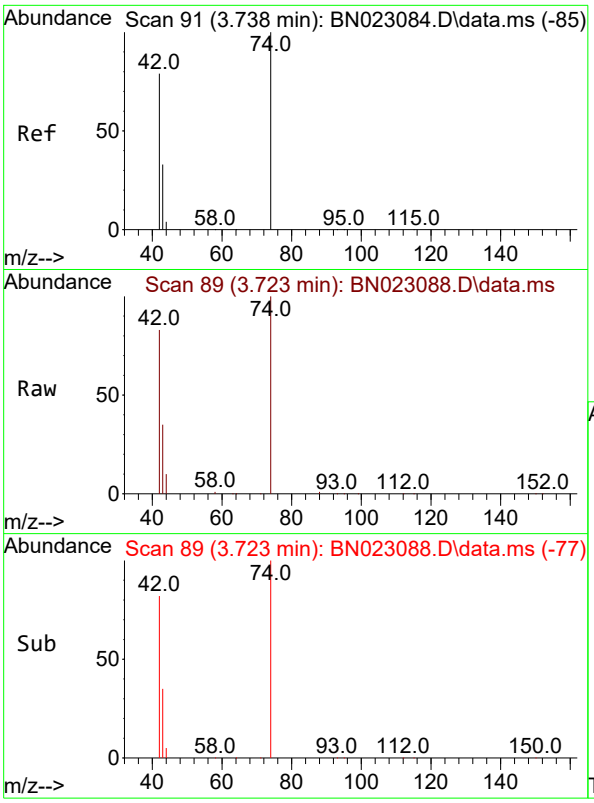


#2
1,4-Dioxane
Concen: 4.553 ng
RT: 3.398 min Scan# 44
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion: 88 Resp: 44400

Ion	Ratio	Lower	Upper
88	100		
43	28.2	21.3	31.9
58	70.1	53.0	79.4



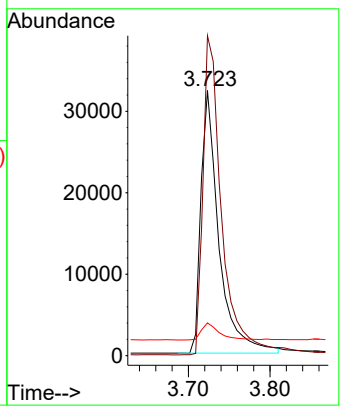


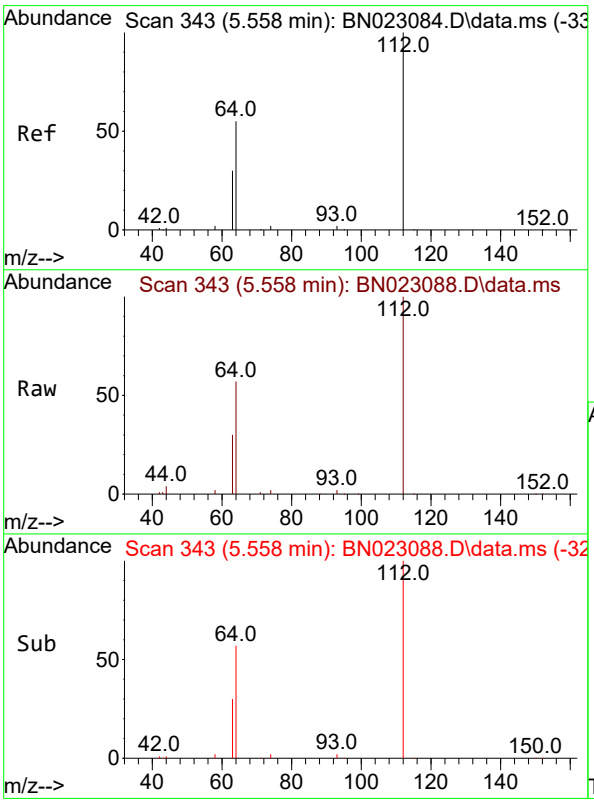
#3
n-Nitrosodimethylamine
Concen: 5.076 ng
RT: 3.723 min Scan# 8
Delta R.T. -0.014 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 49478

Ion	Ratio	Lower	Upper
42	100		
74	126.7	98.8	148.2
44	6.5	7.2	10.8#

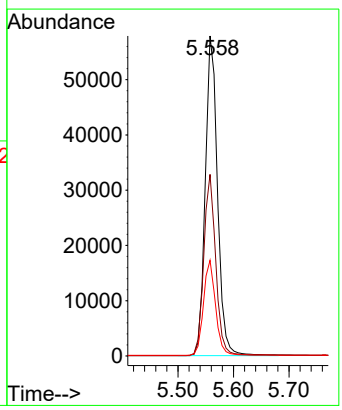


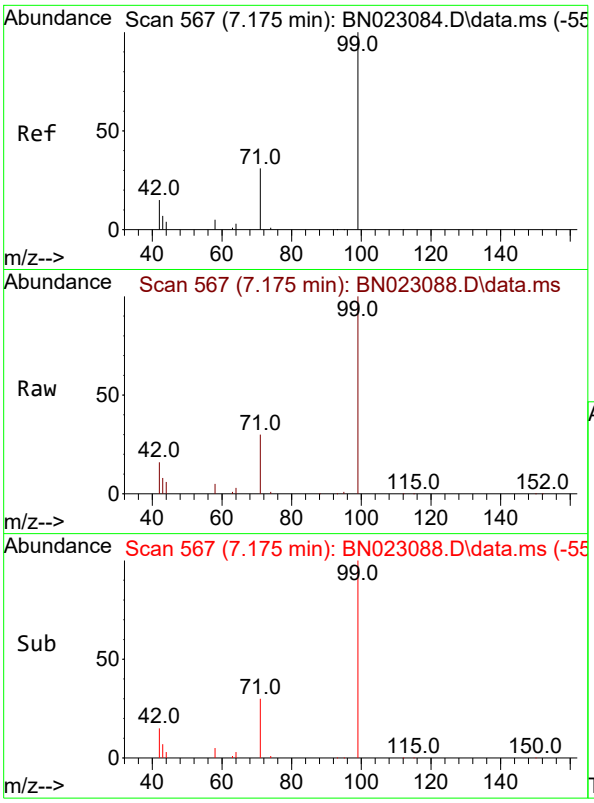


#4
2-Fluorophenol
Concen: 4.861 ng
RT: 5.558 min Scan# 343
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:112 Resp: 88858

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.8	67.2
63	29.5	24.0	36.0



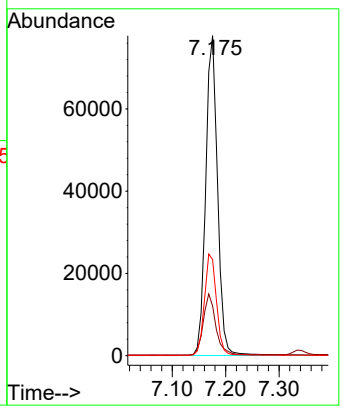


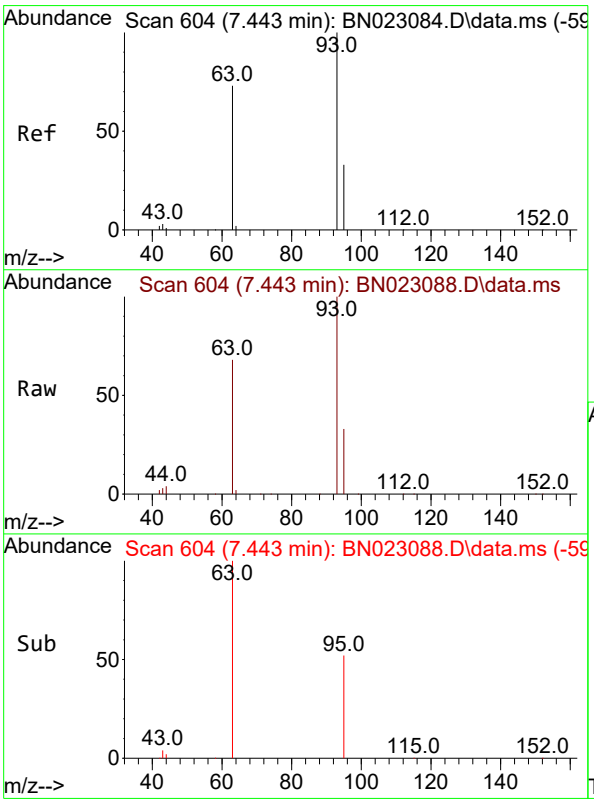
#5
Phenol-d6
Concen: 5.196 ng
RT: 7.175 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 120100

Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.8	25.2
71	32.6	26.5	39.7

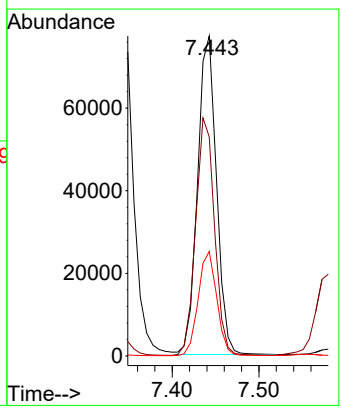


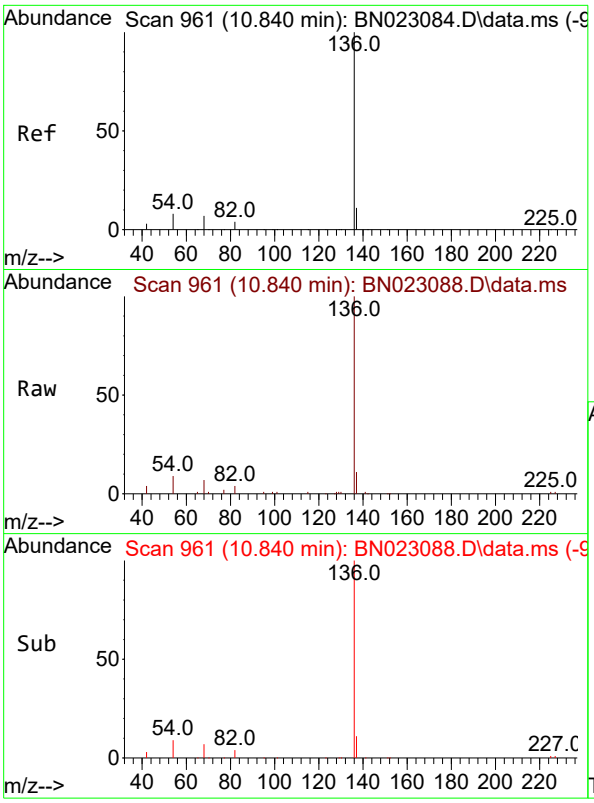


#6
bis(2-Chloroethyl)ether
Concen: 4.689 ng
RT: 7.443 min Scan# 604
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion: 93 Resp: 116726

Ion	Ratio	Lower	Upper
93	100		
63	74.5	59.2	88.8
95	32.3	25.4	38.2



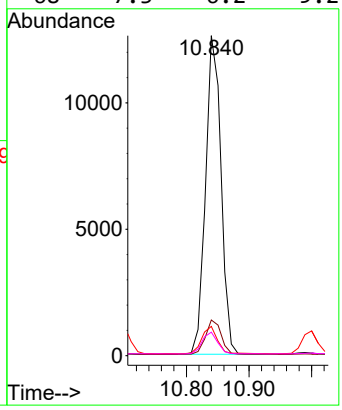


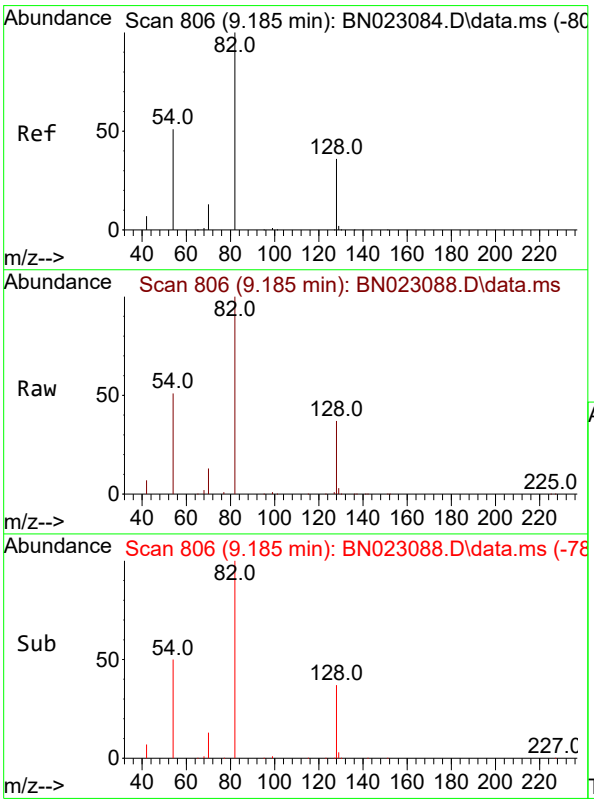
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.840 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 21565

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	9.2	7.2	10.8
68	7.3	6.2	9.2

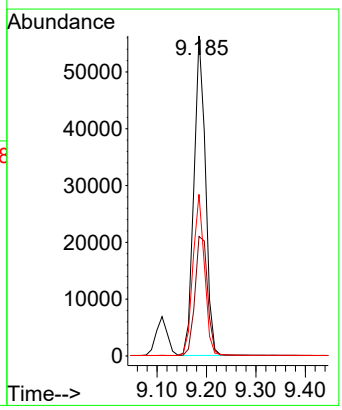


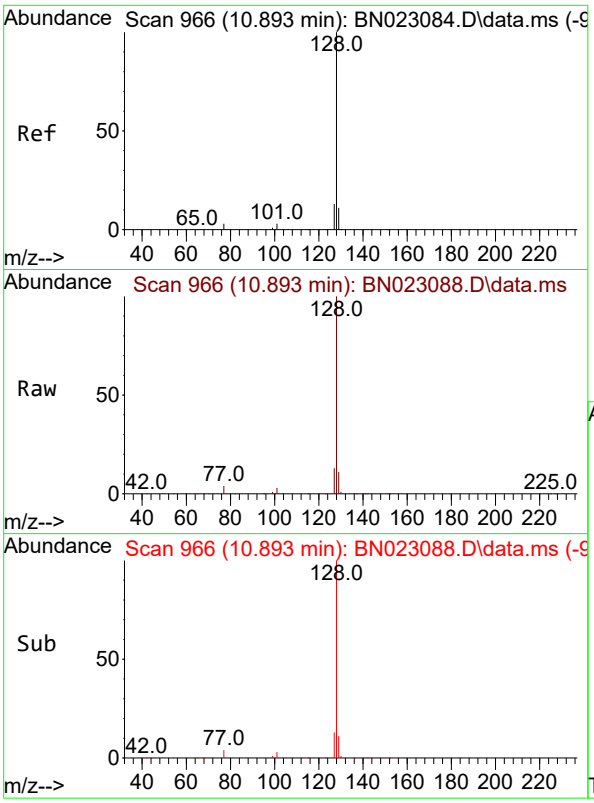


#8
Nitrobenzene-d5
Concen: 5.636 ng
RT: 9.185 min Scan# 806
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion: 82 Resp: 91037

Ion	Ratio	Lower	Upper
82	100		
128	37.4	29.9	44.9
54	50.5	41.8	62.6



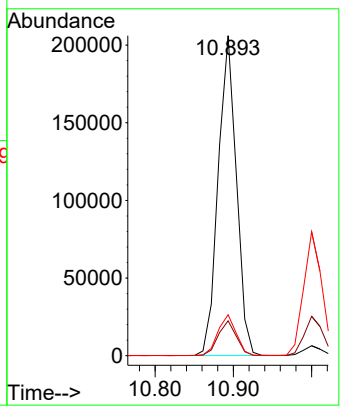


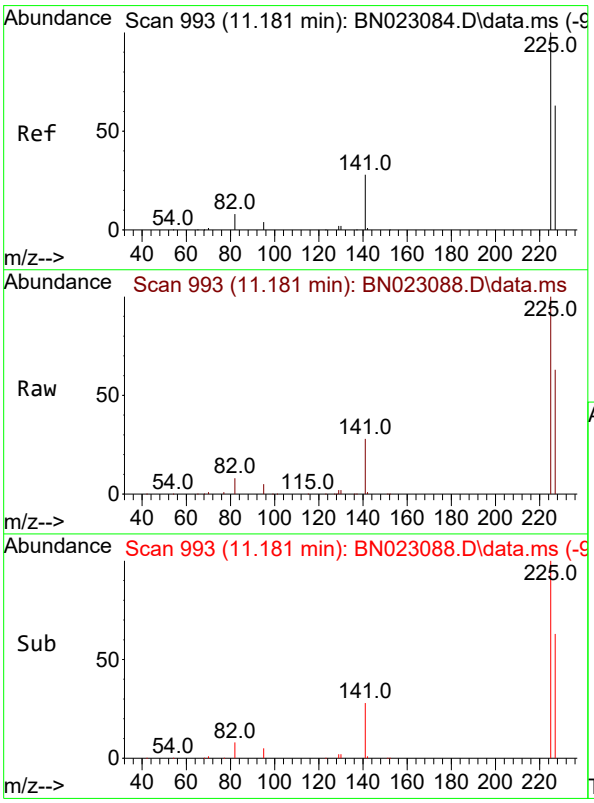
#9
Naphthalene
Concen: 5.200 ng
RT: 10.893 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 332837

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	12.8	10.5	15.7

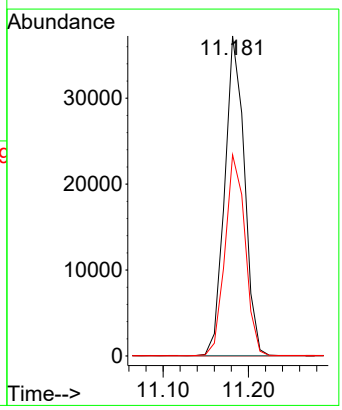


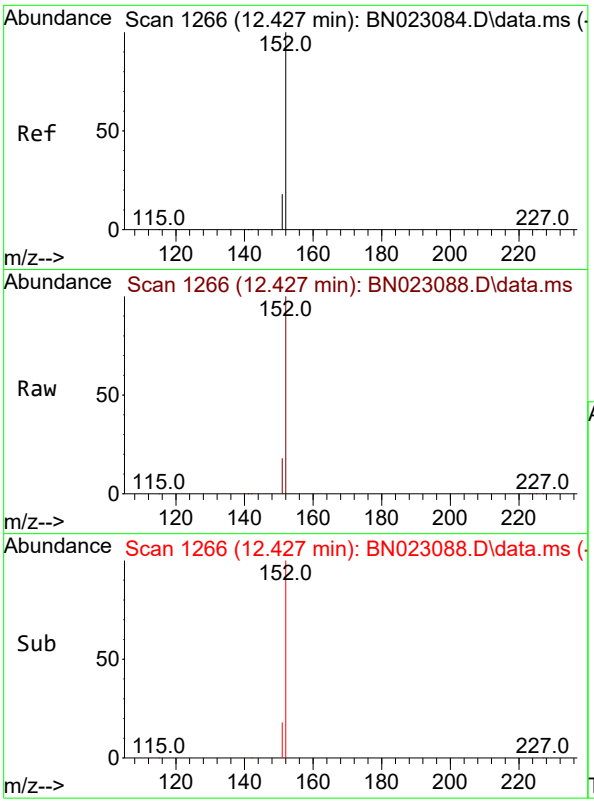


#10
Hexachlorobutadiene
Concen: 4.976 ng
RT: 11.181 min Scan# 993
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:225 Resp: 59578

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	50.6	76.0



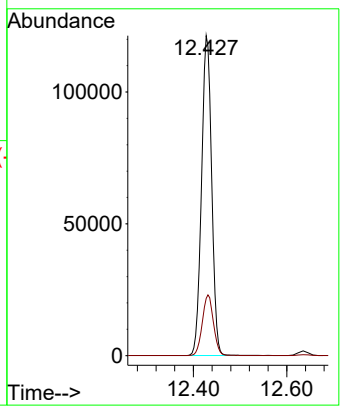


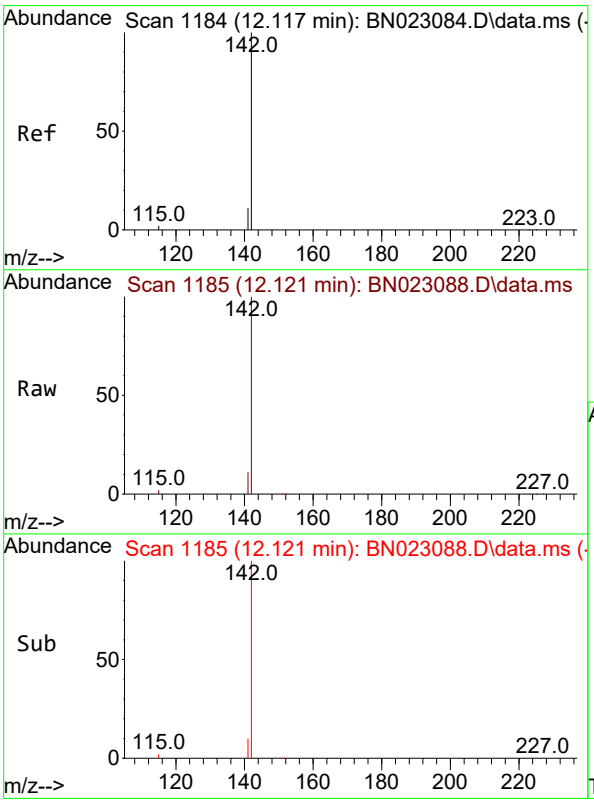
#11
2-Methylnaphthalene-d10
Concen: 5.456 ng
RT: 12.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 236165

Ion	Ratio	Lower	Upper
152	100		
151	20.3	13.8	20.8

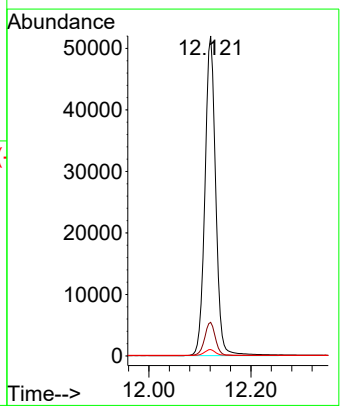


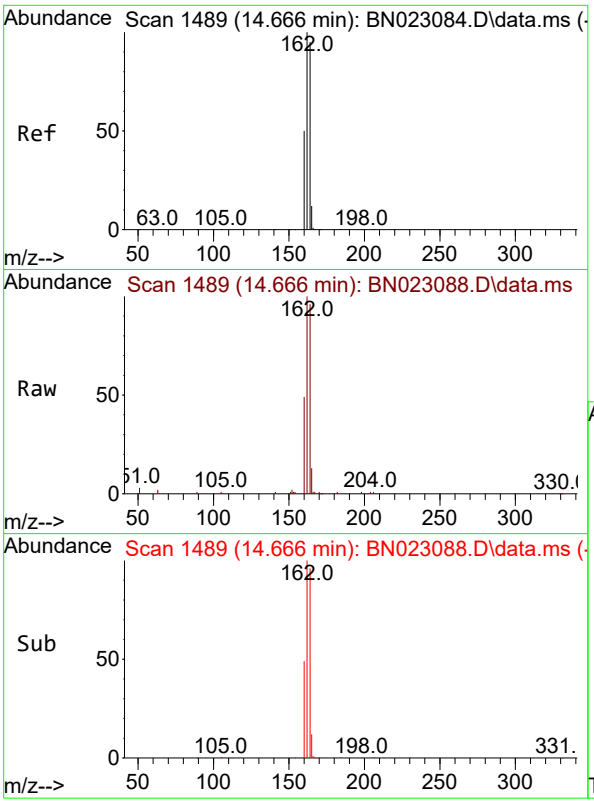


#12
2-Methylnaphthalene
Concen: 6.713 ng
RT: 12.121 min Scan# 1185
Delta R.T. 0.004 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:142 Resp: 76200

Ion	Ratio	Lower	Upper
142	100		
141	10.5	11.3	16.9#
115	2.0	5.6	8.4#



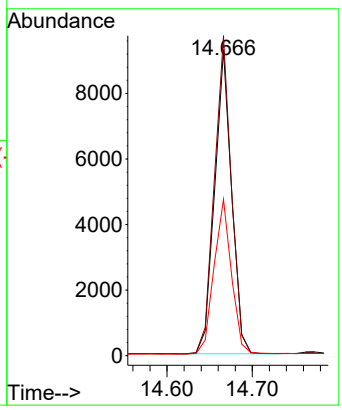


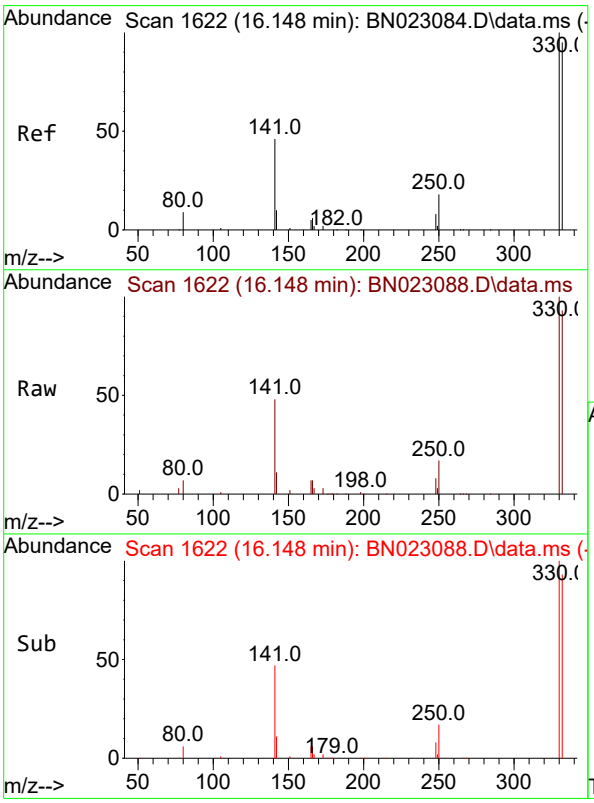
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.666 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 12804

Ion	Ratio	Lower	Upper
164	100		
162	104.6	84.2	126.2
160	51.1	42.5	63.7

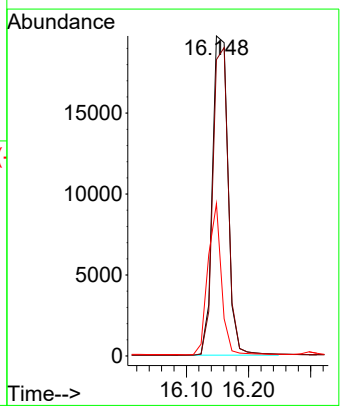


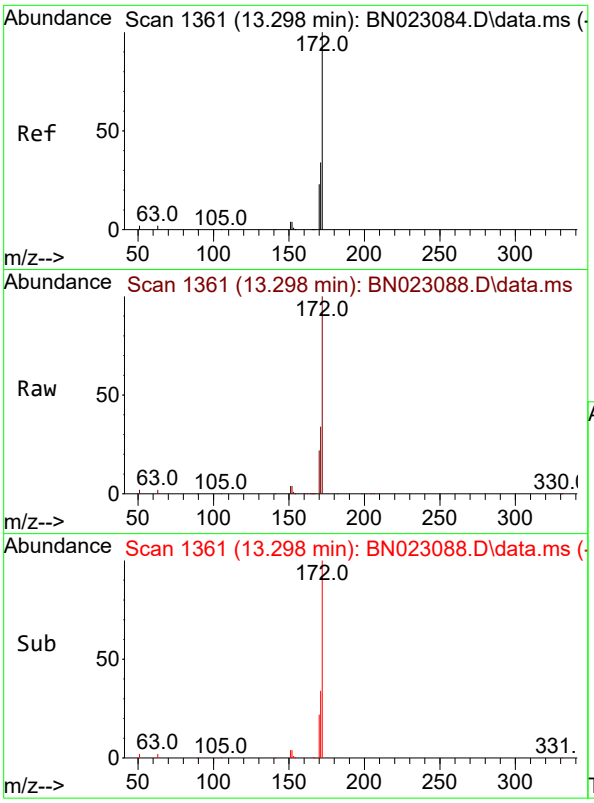


#14
2,4,6-Tribromophenol
Concen: 6.314 ng
RT: 16.148 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:330 Resp: 34490

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.8	116.6
141	40.8	34.2	51.2



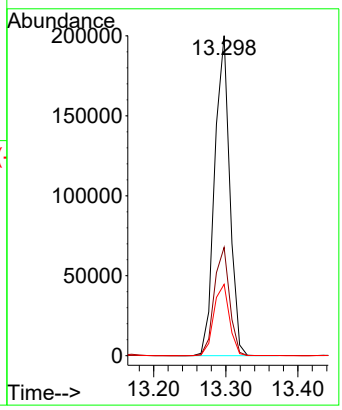


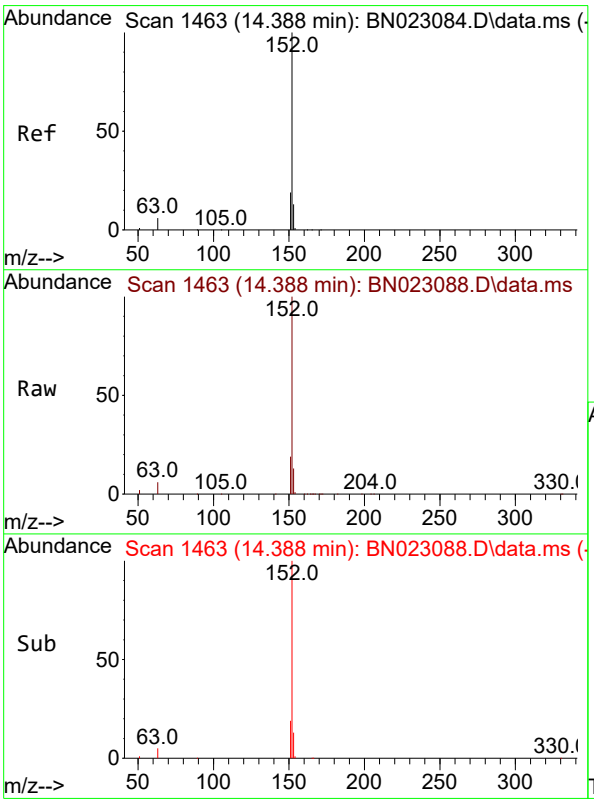
#15
2-Fluorobiphenyl
Concen: 5.114 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 289311

Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.6	41.4
170	22.3	18.4	27.6

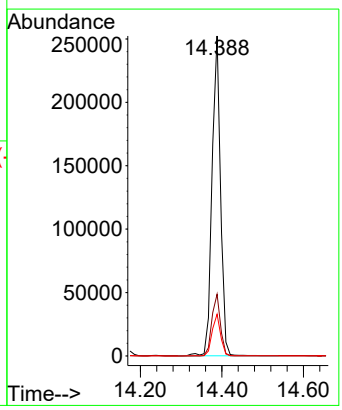


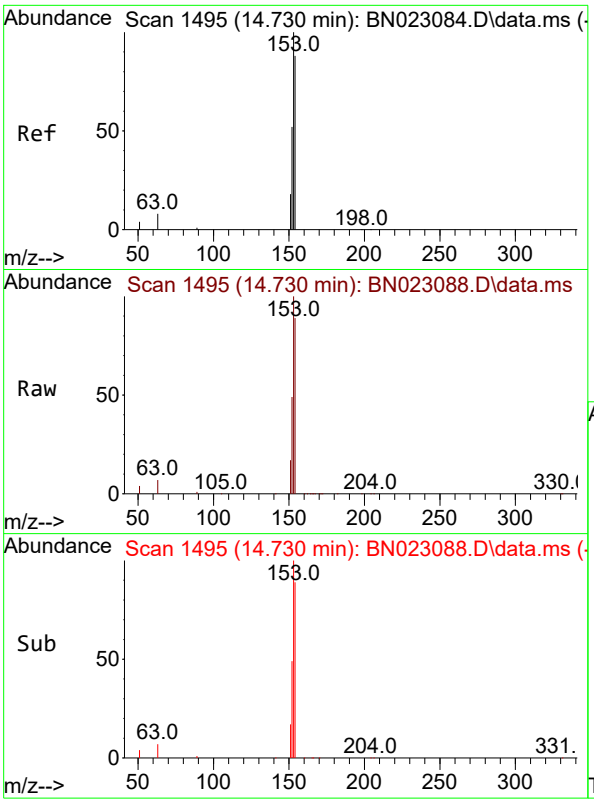


#16
Acenaphthylene
Concen: 6.030 ng
RT: 14.388 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:152 Resp: 363713

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.6	23.4
153	13.0	10.2	15.4



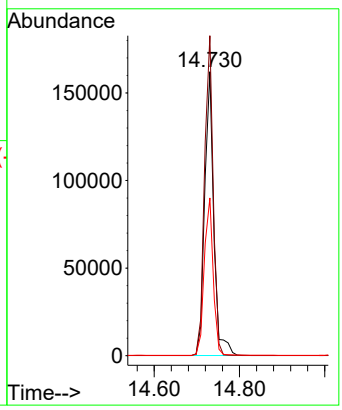


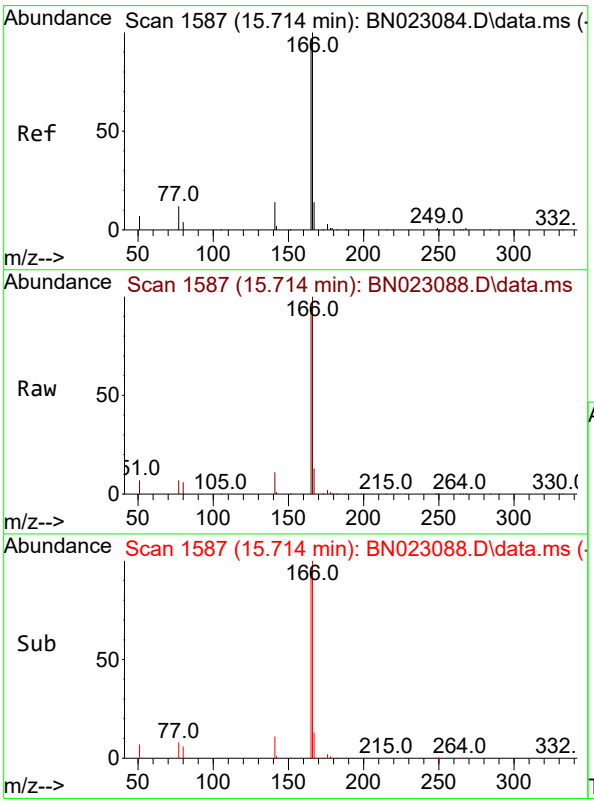
#17
Acenaphthene
Concen: 5.459 ng
RT: 14.730 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 238558

Ion	Ratio	Lower	Upper
154	100		
153	107.9	88.1	132.1
152	54.8	47.4	71.0

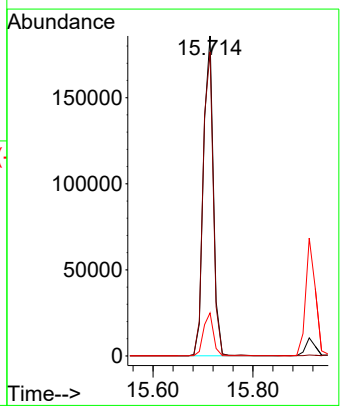


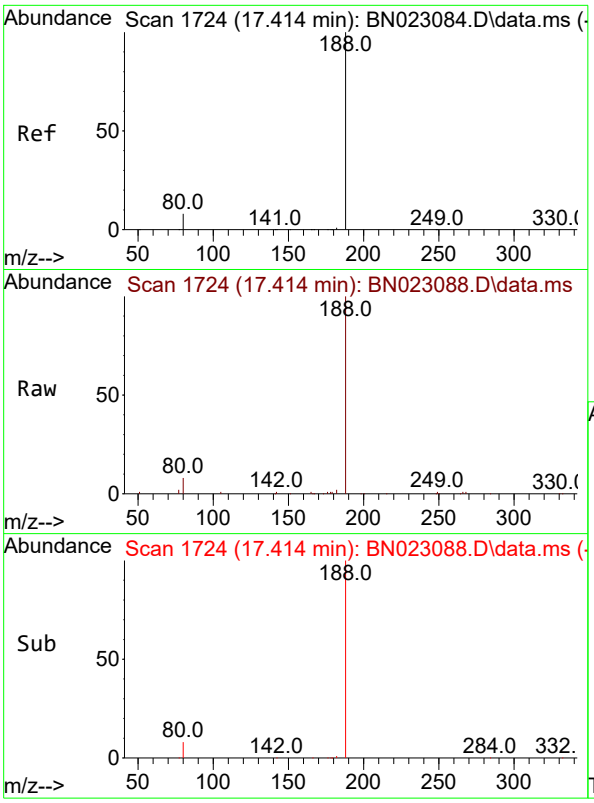


#18
Fluorene
Concen: 5.086 ng
RT: 15.714 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:166 Resp: 266847

Ion	Ratio	Lower	Upper
166	100		
165	94.1	80.2	120.2
167	13.0	11.4	17.0



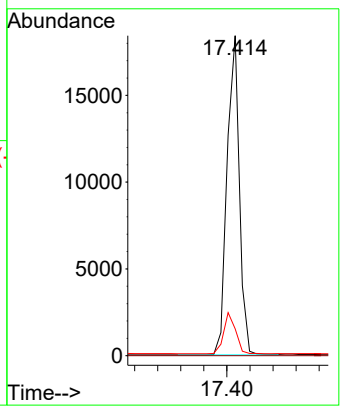


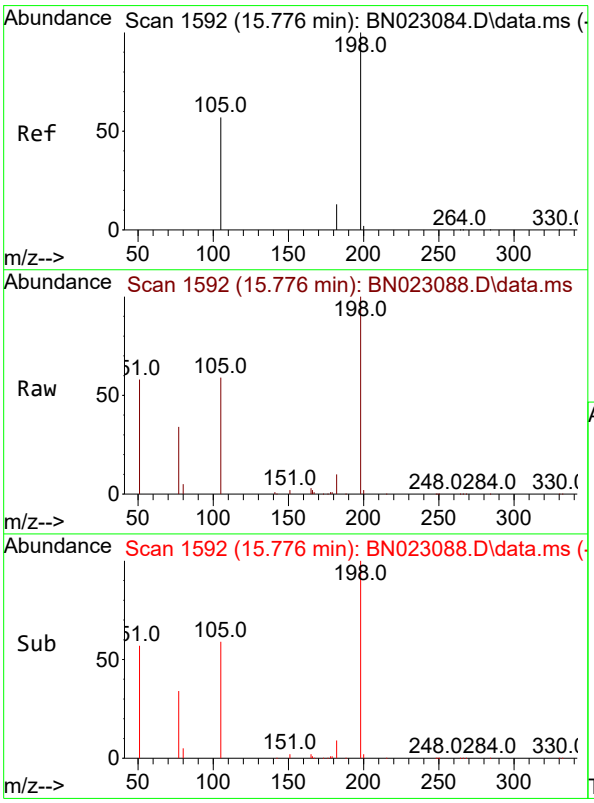
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 27341

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	7.0	10.6

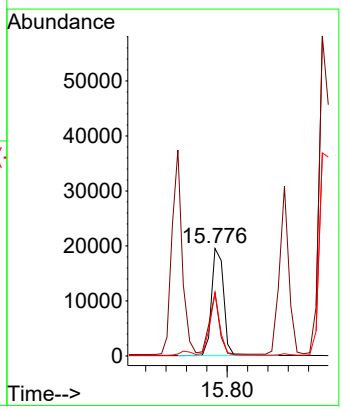


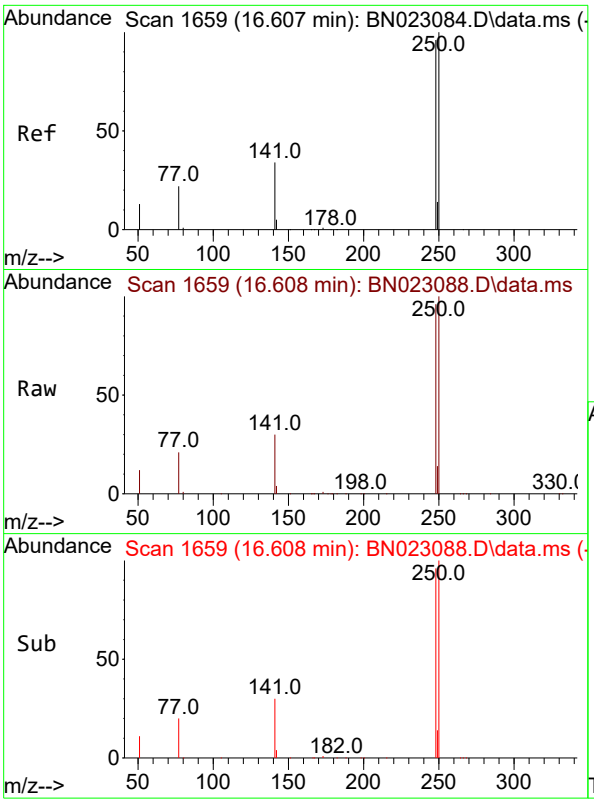


#20
4,6-Dinitro-2-methylphenol
Concen: 8.696 ng
RT: 15.776 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:198 Resp: 31470

Ion	Ratio	Lower	Upper
198	100		
51	58.5	65.4	98.0#
105	59.0	54.9	82.3



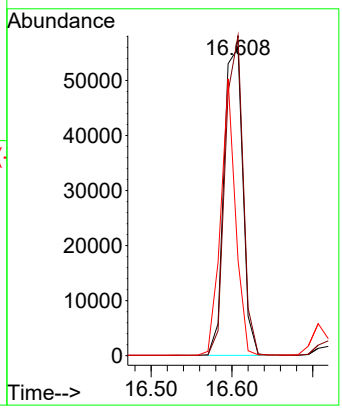


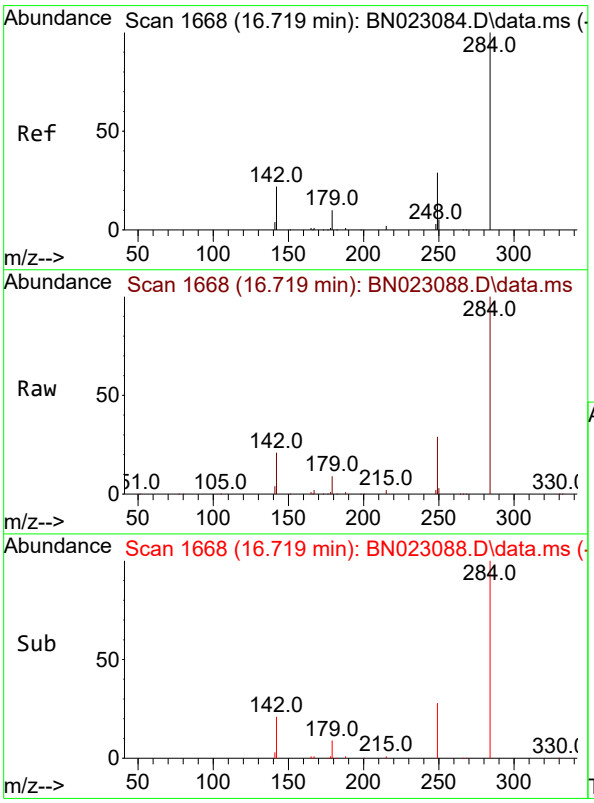
#21
4-Bromophenyl-phenylether
Concen: 5.383 ng
RT: 16.608 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 91003

Ion	Ratio	Lower	Upper
248	100		
250	104.0	83.5	125.3
141	31.0	29.4	44.2

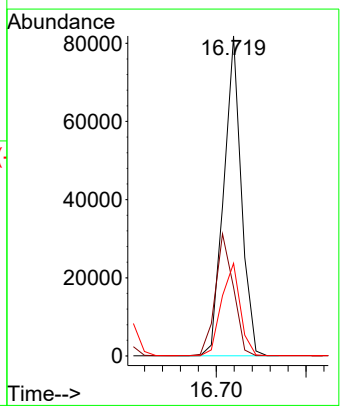


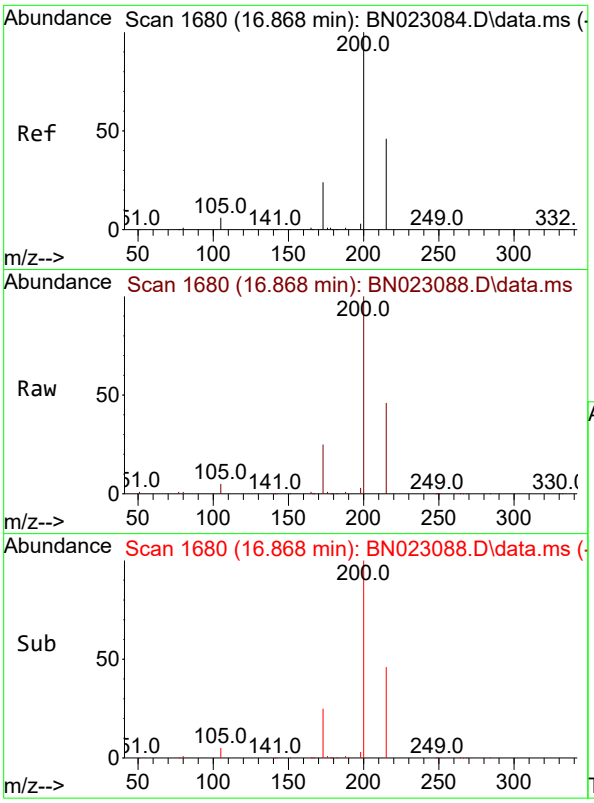


#22
Hexachlorobenzene
Concen: 5.204 ng
RT: 16.719 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:284 Resp: 111146

Ion	Ratio	Lower	Upper
284	100		
142	39.3	31.8	47.8
249	30.8	24.8	37.2



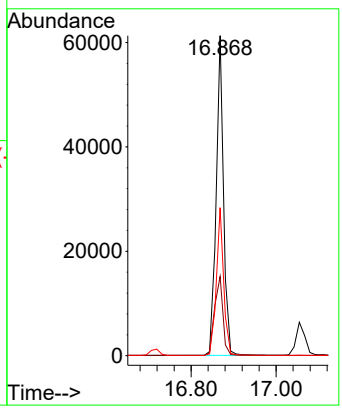


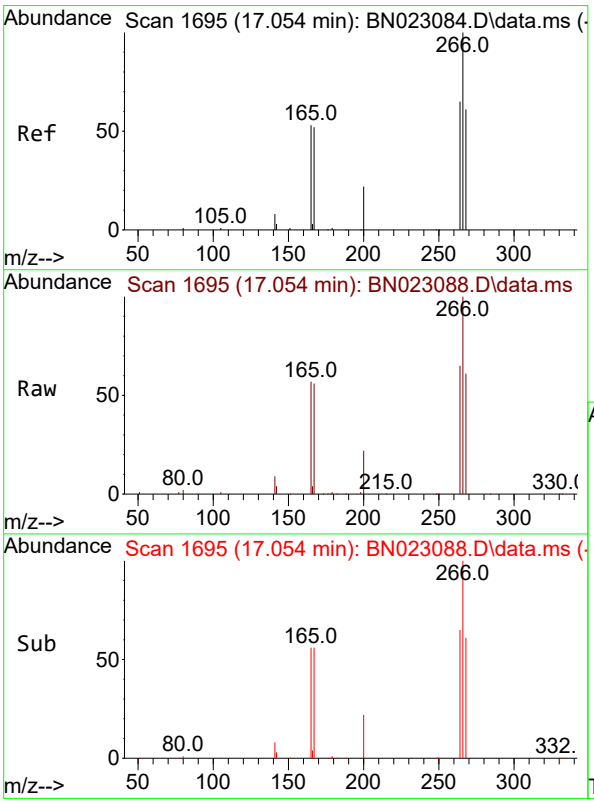
#23
Atrazine
Concen: 6.093 ng
RT: 16.868 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 73587

Ion	Ratio	Lower	Upper
200	100		
173	24.7	20.6	31.0
215	46.3	37.6	56.4

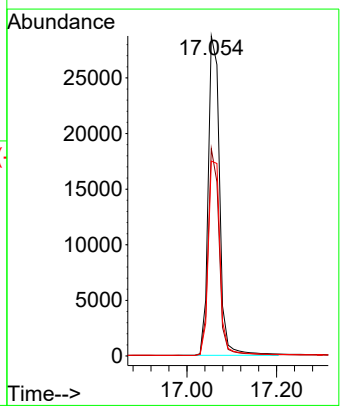


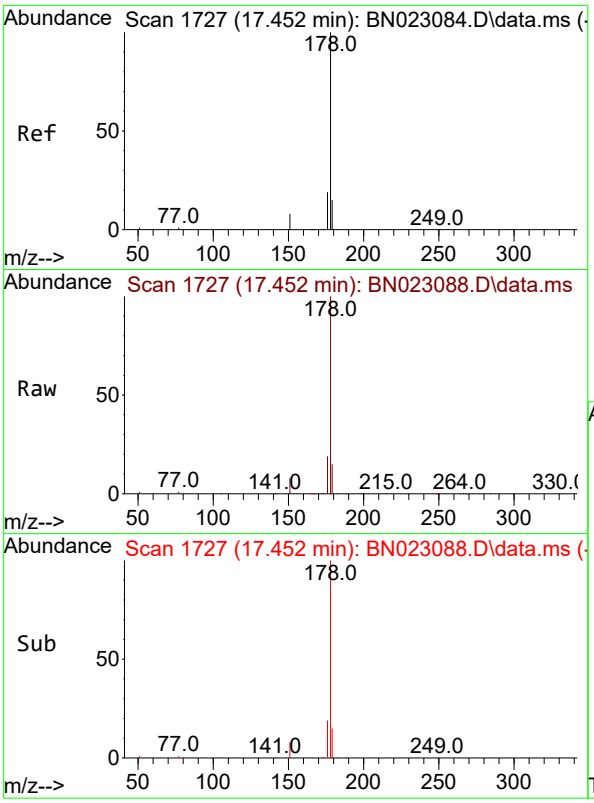


#24
Pentachlorophenol
Concen: 8.516 ng
RT: 17.054 min Scan# 1695
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:266 Resp: 50292

Ion	Ratio	Lower	Upper
266	100		
264	62.4	49.1	73.7
268	63.2	51.2	76.8



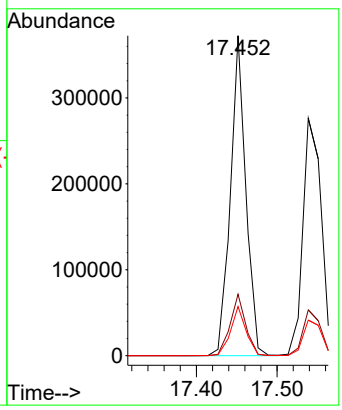


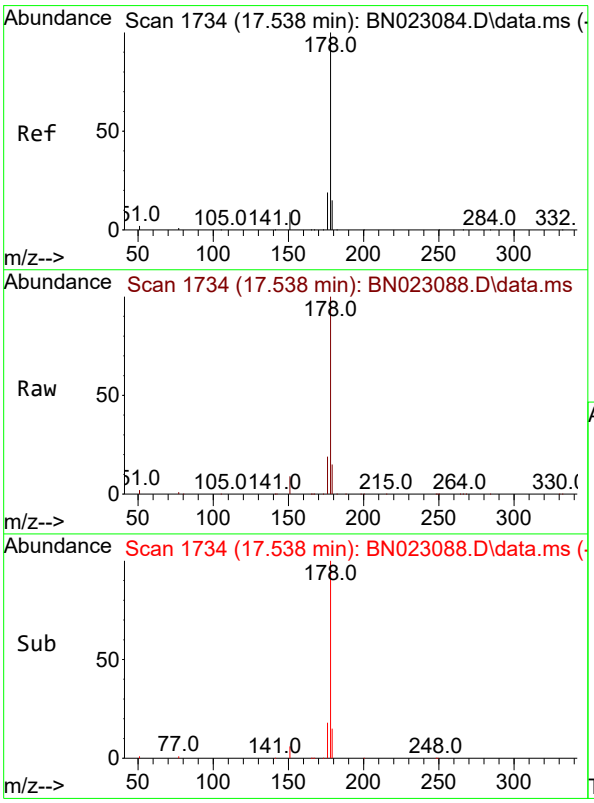
#25
Phenanthrene
Concen: 5.327 ng
RT: 17.452 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 495846

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.2	18.4

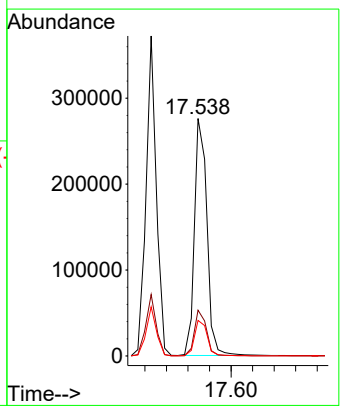


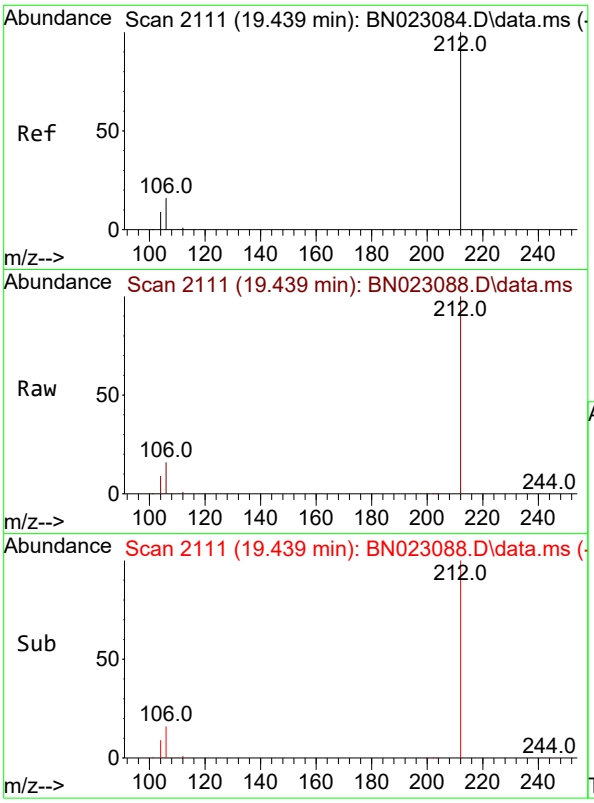


#26
Anthracene
Concen: 5.953 ng
RT: 17.538 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:178 Resp: 446244

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.2	12.2	18.2



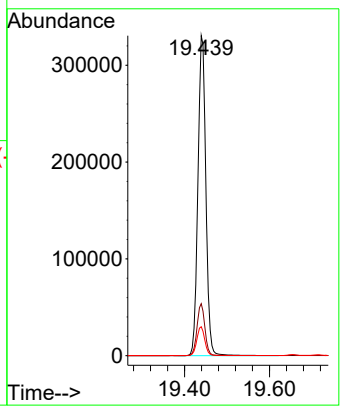


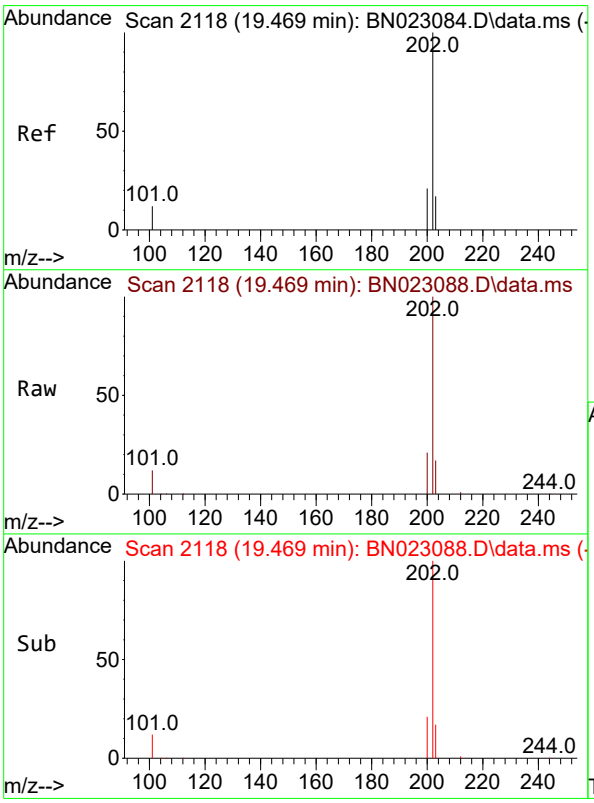
#27
Fluoranthene-d10
Concen: 5.692 ng
RT: 19.439 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 428313

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.9	19.3
104	9.0	7.4	11.0

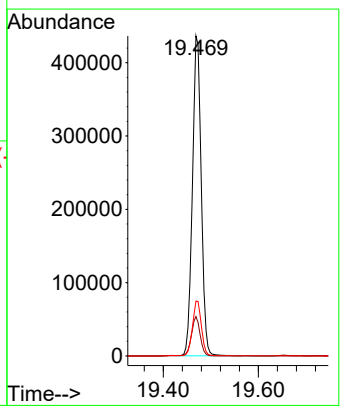


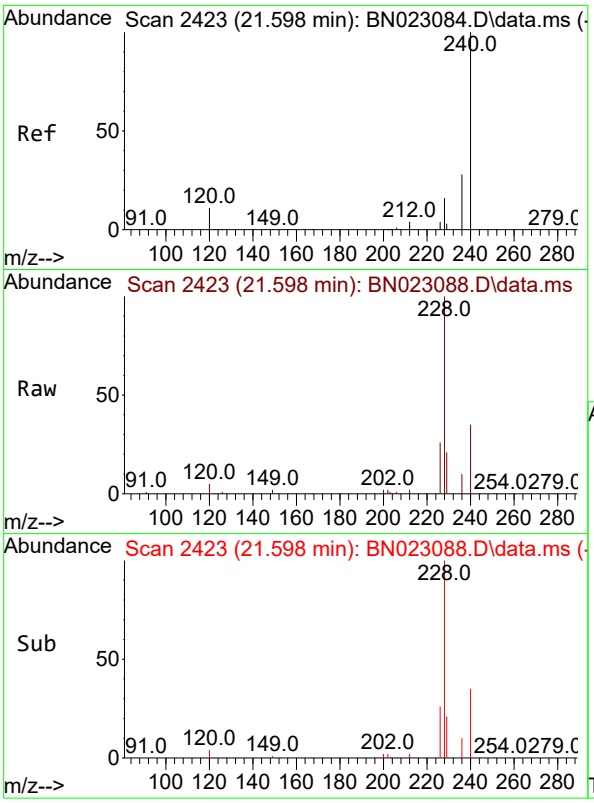


#28
Fluoranthene
Concen: 5.523 ng
RT: 19.469 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:202 Resp: 559922

Ion	Ratio	Lower	Upper
202	100		
101	12.2	10.1	15.1
203	17.3	13.7	20.5



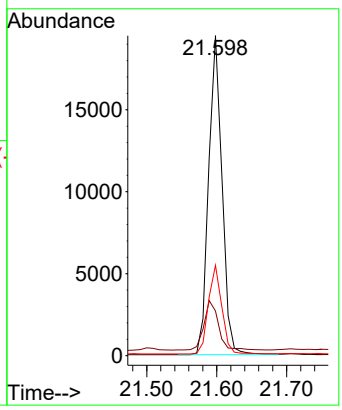


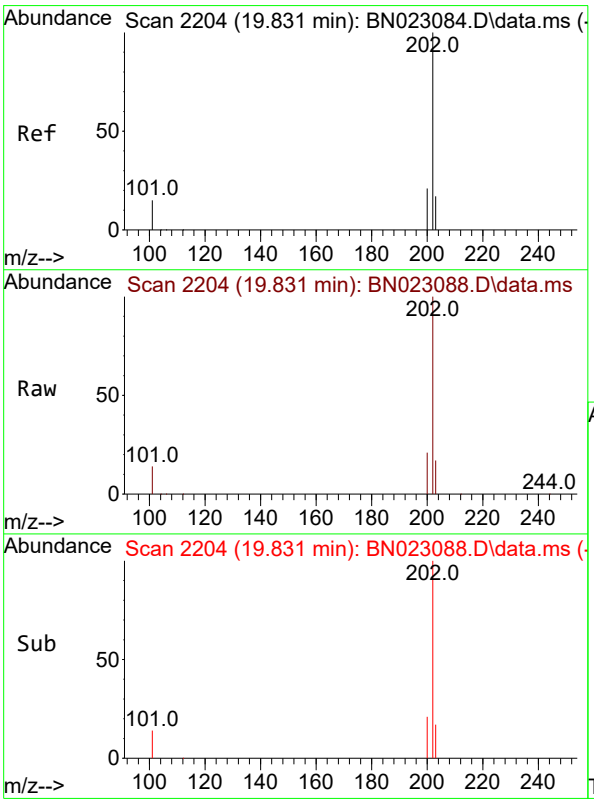
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.598 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 25997

Ion	Ratio	Lower	Upper
240	100		
120	14.0	10.0	15.0
236	28.3	22.5	33.7

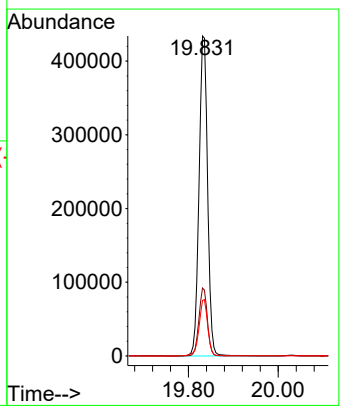


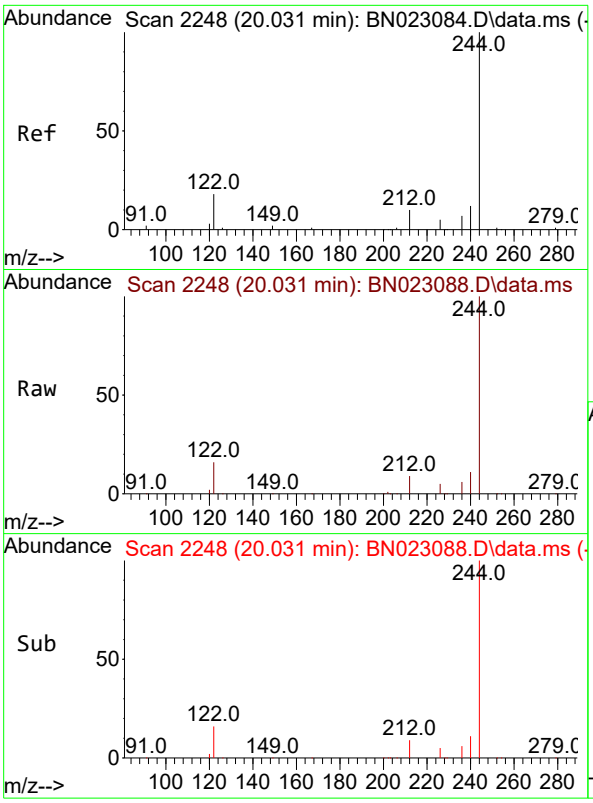


#30
Pyrene
Concen: 5.109 ng
RT: 19.831 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:202 Resp: 570479

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.8	14.2	21.2



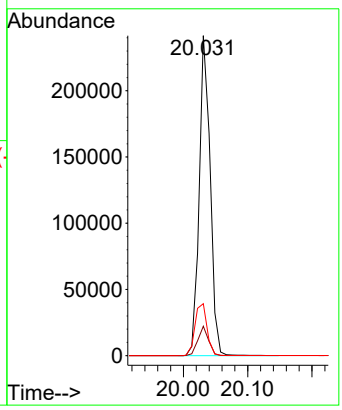


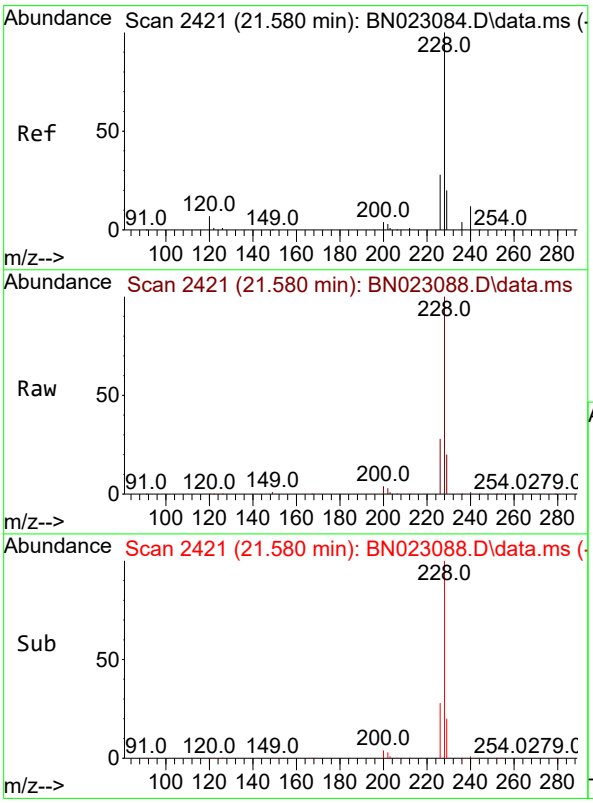
#31
Terphenyl-d14
Concen: 4.868 ng
RT: 20.031 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 261704

Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.1	12.1
122	16.3	14.2	21.4

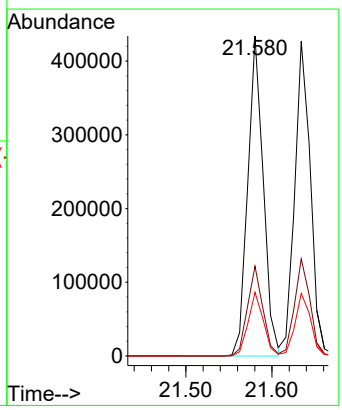


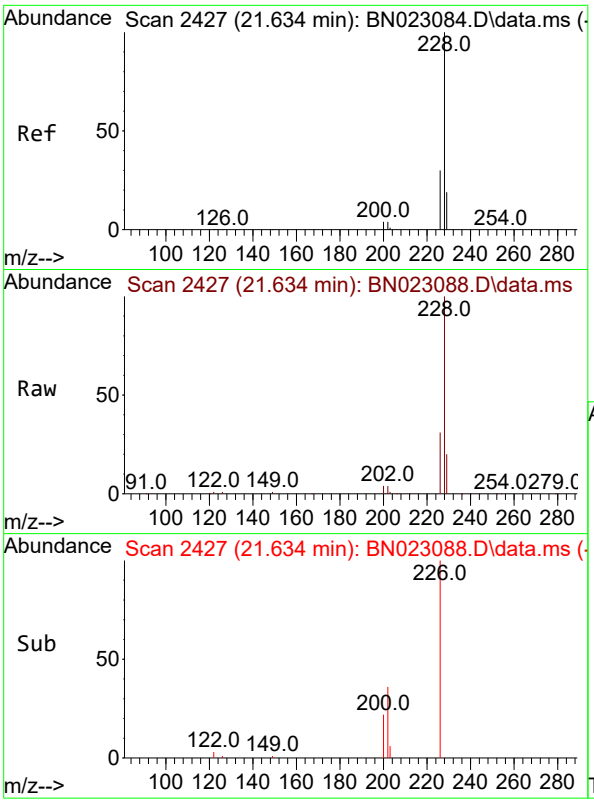


#32
Benzo(a)anthracene
Concen: 5.594 ng
RT: 21.580 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:228 Resp: 543397

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.2
229	19.9	15.8	23.8



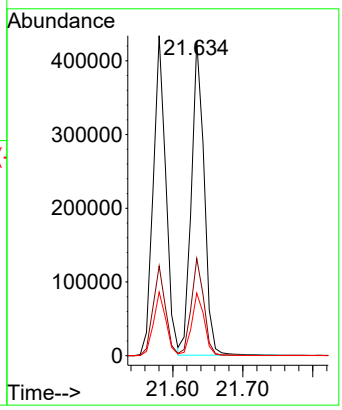


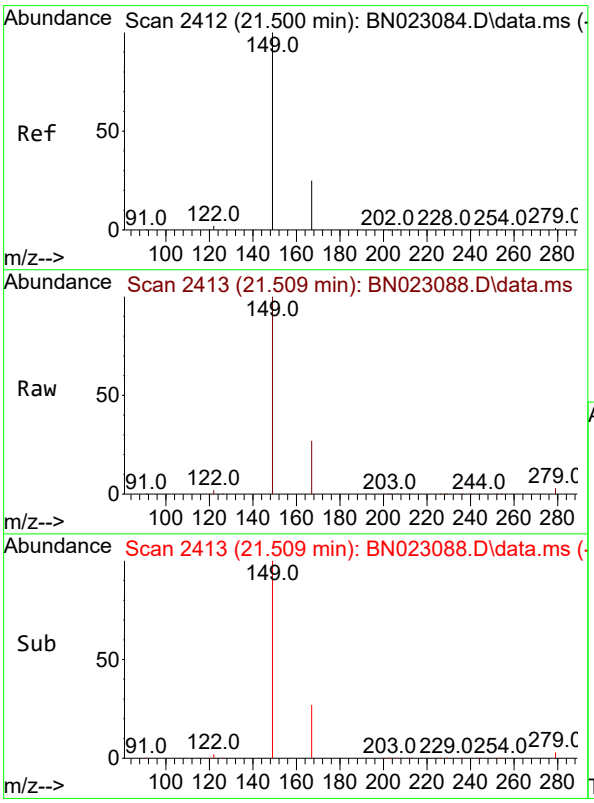
#33
Chrysene
Concen: 5.063 ng
RT: 21.634 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 540379

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.4
229	19.9	15.7	23.5

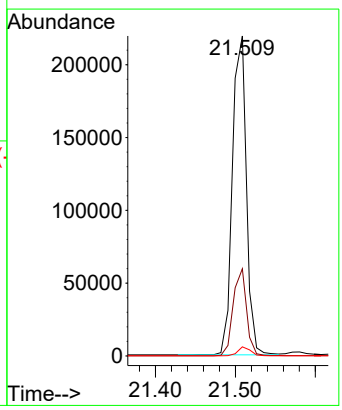


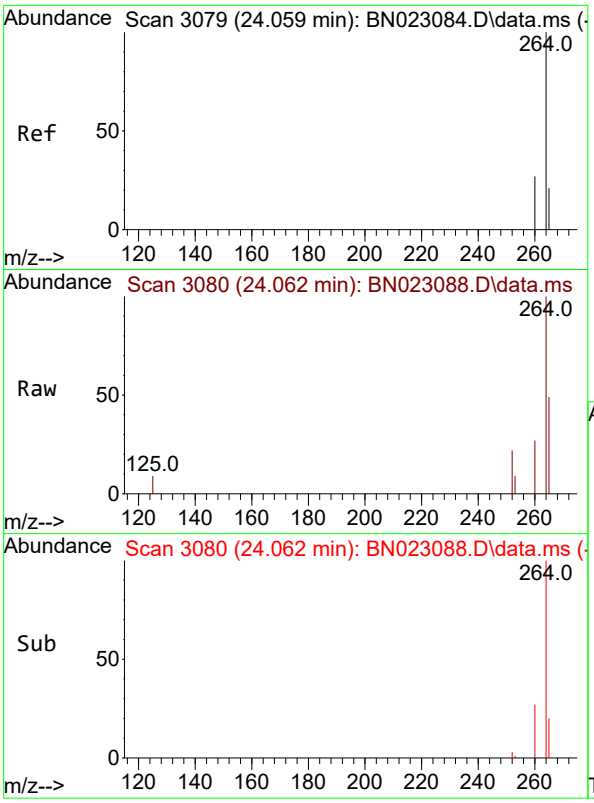


#34
Bis(2-ethylhexyl)phthalate
Concen: 6.428 ng
RT: 21.509 min Scan# 2413
Delta R.T. 0.009 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:149 Resp: 264768

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.4	32.0
279	2.6	2.1	3.1



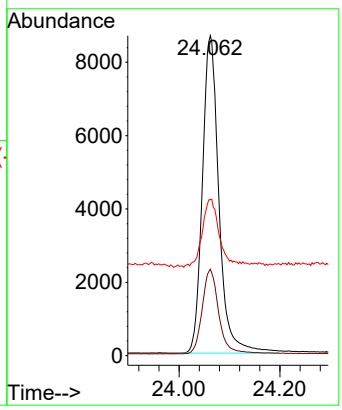


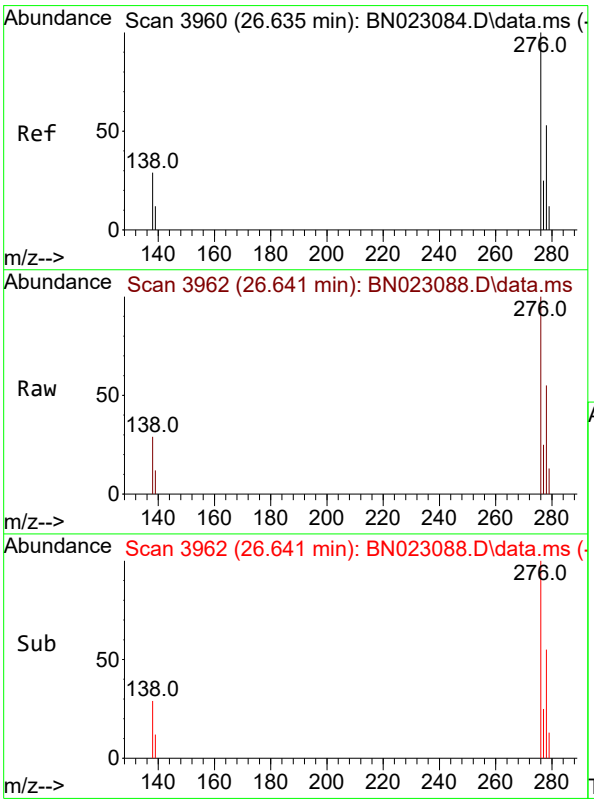
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.062 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 19775

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.6	32.4
265	48.8	39.3	58.9

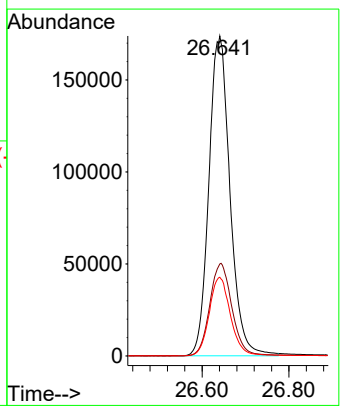


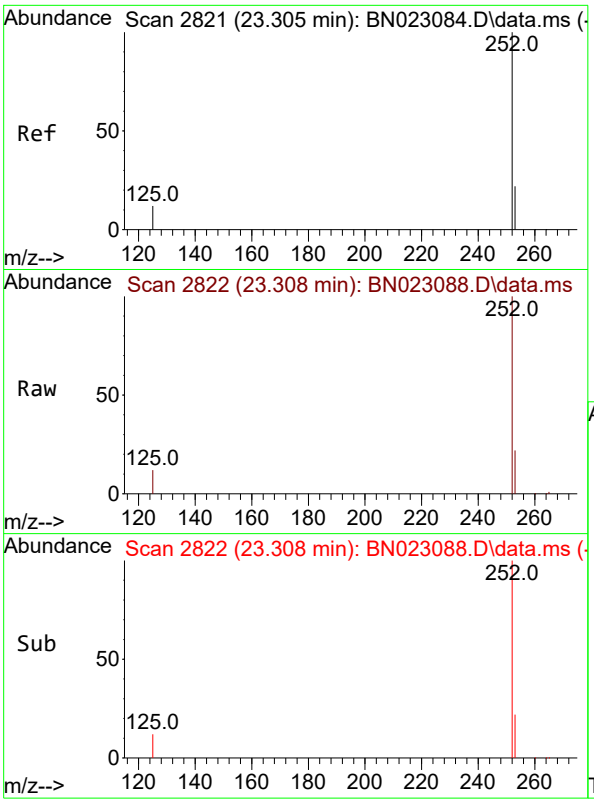


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.508 ng
RT: 26.641 min Scan# 3962
Delta R.T. 0.006 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:276 Resp: 587206

Ion	Ratio	Lower	Upper
276	100		
138	30.3	24.9	37.3
277	24.8	19.8	29.8



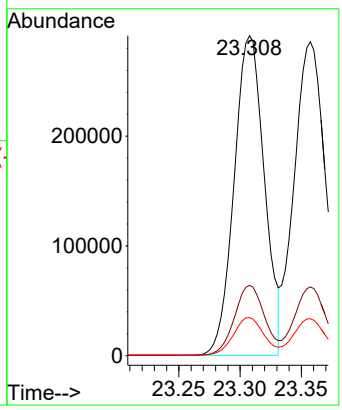


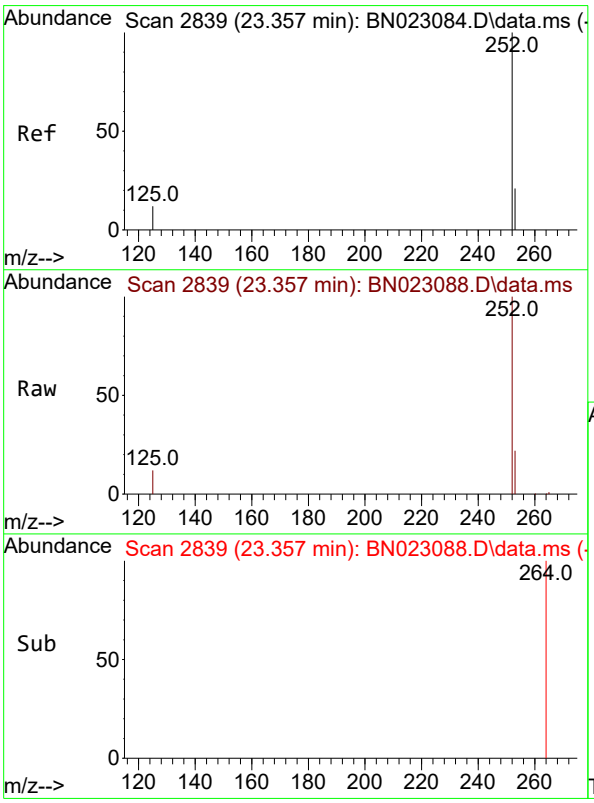
#37
Benzo(b)fluoranthene
Concen: 5.489 ng
RT: 23.308 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 500092

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.2	28.8
125	11.9	12.4	18.6#

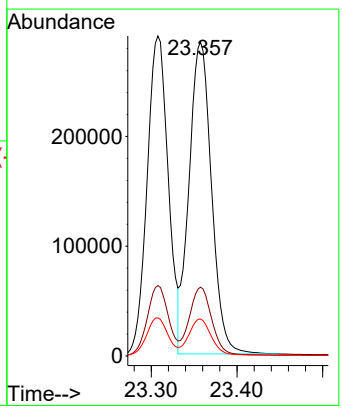


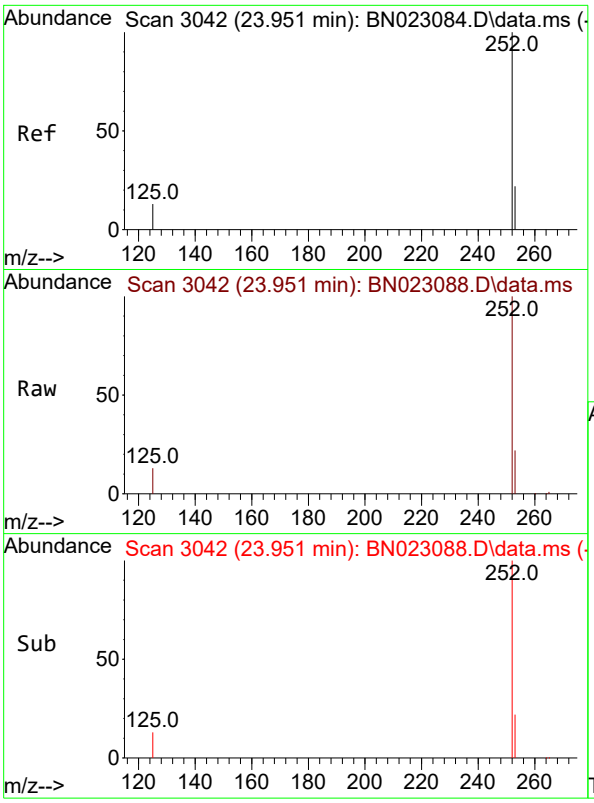


#38
Benzo(k)fluoranthene
Concen: 5.571 ng
RT: 23.357 min Scan# 2839
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:252 Resp: 517628

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.8	28.2
125	11.8	12.0	18.0#



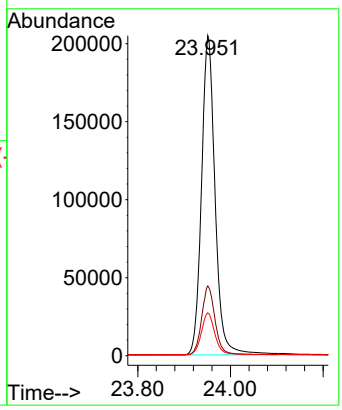


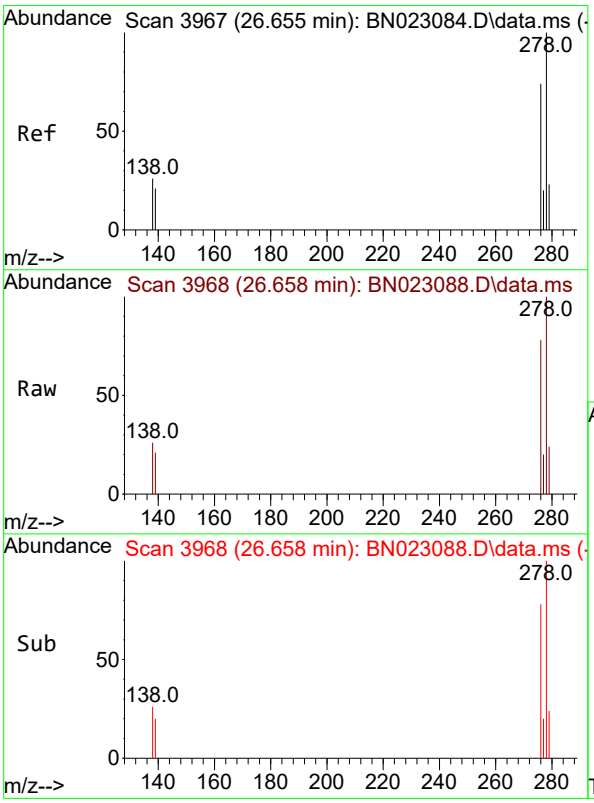
#39
Benzo(a)pyrene
Concen: 5.641 ng
RT: 23.951 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 416964

Ion	Ratio	Lower	Upper
252	100		
253	21.8	20.5	30.7
125	13.4	15.3	22.9#

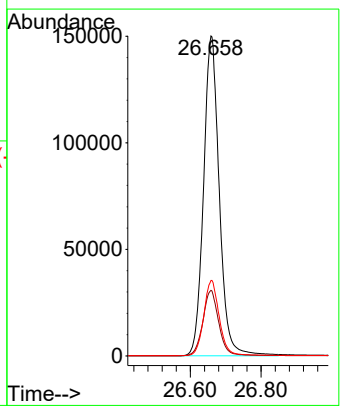


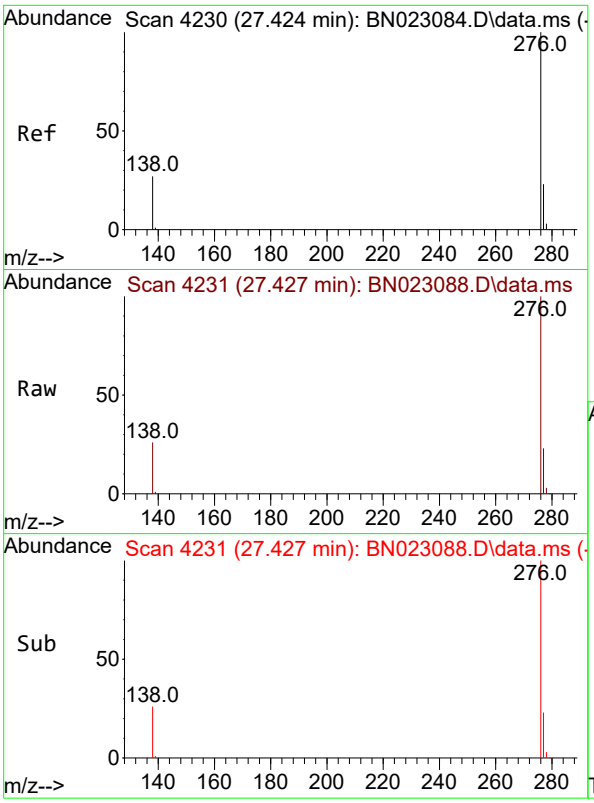


#40
Dibenzo(a,h)anthracene
Concen: 5.507 ng
RT: 26.658 min Scan# 3968
Delta R.T. 0.003 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Tgt Ion:278 Resp: 464652

Ion	Ratio	Lower	Upper
278	100		
139	20.5	17.5	26.3
279	23.6	20.2	30.2





#41
Benzo(g,h,i)perylene
Concen: 5.470 ng
RT: 27.427 min Scan# 4
Delta R.T. 0.003 min
Lab File: BN023088.D
Acq: 07 Dec 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 478017

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.4	29.2
138	26.1	22.1	33.1