Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120123\
Data File : BN028954.D
Acq On : 01 Dec 2023 19:24
Operator : MA/JU
Sample : 05357-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Quant Time: Dec 01 23:16:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 23:11:55 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.797	152	2230	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	6683	0.400	ng	0.00
13) Acenaphthene-d10	14.418	164	4092	0.400	ng	0.00
19) Phenanthrene-d10	17.171	188	9175	0.400	ng	0.00
29) Chrysene-d12	21.374	240	7381	0.400	ng	# 0.00
35) Perylene-d12	23.705	264	6713	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.413	112	695	0.103	ng	0.00
5) Phenol-d6	7.009	99	428	0.057	ng	0.00
8) Nitrobenzene-d5	8.971	82	1775	0.267	ng	0.00
11) 2-Methylnaphthalene-d10	12.170	152	2849	0.266	ng	0.00
14) 2,4,6-Tribromophenol	15.918	330	647	0.234	ng	0.00
15) 2-Fluorobiphenyl	13.049	172	6685	0.378	ng	0.00
27) Fluoranthene-d10	19.209	212	8279	0.343	ng	0.00
31) Terphenyl-d14	19.813	244	7443	0.371	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.348	88	673	0.308	ng	# 76
9) Naphthalene	10.637	128	479	0.023	ng	# 65
12) 2-Methylnaphthalene	12.242	142	433	0.032	ng	# 88
16) Acenaphthylene	14.140	152	1298	0.060	ng	98
17) Acenaphthene	14.482	154	341	0.024	ng	# 95
18) Fluorene	15.476	166	608	0.033	ng	86
22) Hexachlorobenzene	16.464	284	177	0.023	ng	# 89
25) Phenanthrene	17.209	178	893	0.029	ng	# 91
26) Anthracene	17.308	178	712	0.025	ng	# 94
28) Fluoranthene	19.237	202	994	0.032	ng	# 59
30) Pyrene	19.599	202	1056	0.113	ng	# 86
32) Benzo(a)anthracene	21.356	228	1022	0.033	ng	# 38
33) Chrysene	21.410	228	868	0.028	ng	# 60
36) Indeno(1,2,3-cd)pyrene	26.096	276	745	0.025	ng	# 54
37) Benzo(b)fluoranthene	22.994	252	931	0.034	ng	# 78
38) Benzo(k)fluoranthene	23.041	252	694	0.027	ng	# 67
39) Benzo(a)pyrene	23.602	252	530	0.022	ng	# 68
40) Dibenzo(a,h)anthracene	26.123	278	526	0.023	ng	# 32
41) Benzo(g,h,i)perylene	26.836	276	569	0.022	ng	# 40

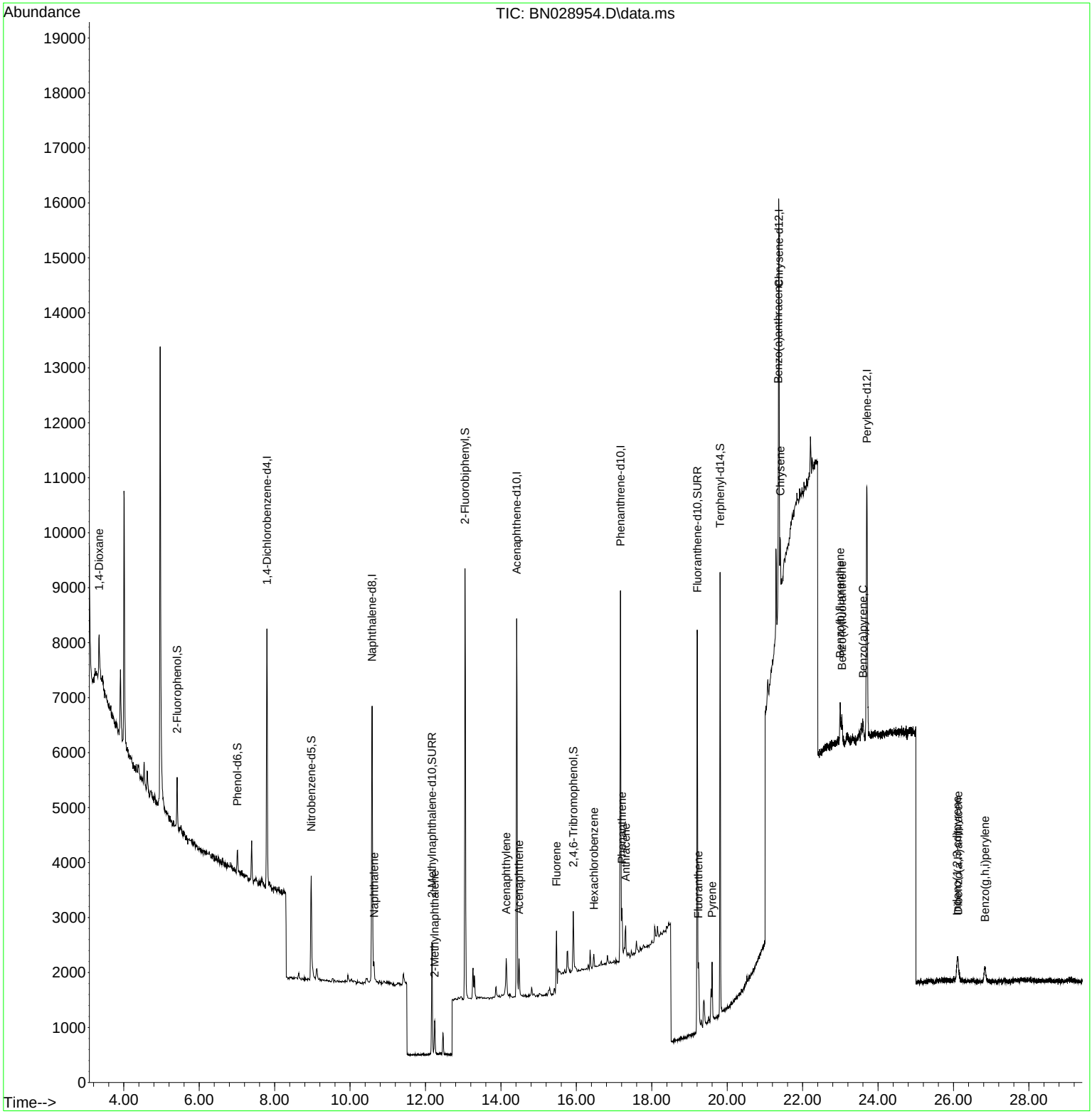
(#) = qualifier out of range (m) = manual integration (+) = signals summed

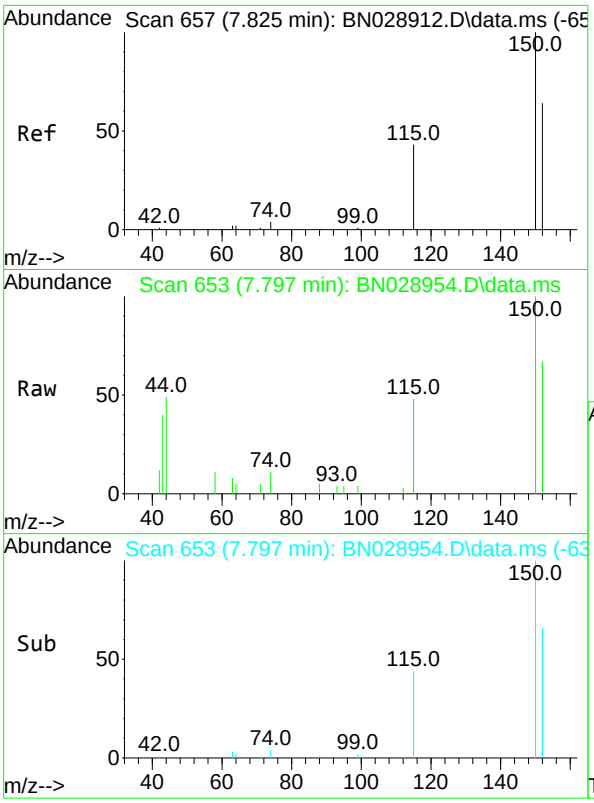
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120123\
Data File : BN028954.D
Acq On : 01 Dec 2023 19:24
Operator : MA/JU
Sample : 05357-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Quant Time: Dec 01 23:16:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 23:11:55 2023
Response via : Initial Calibration



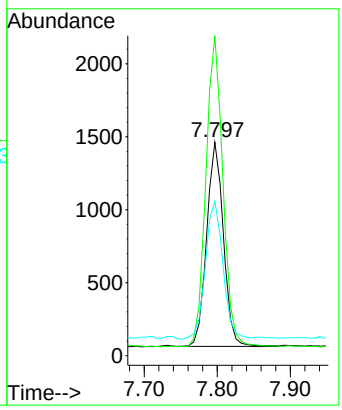


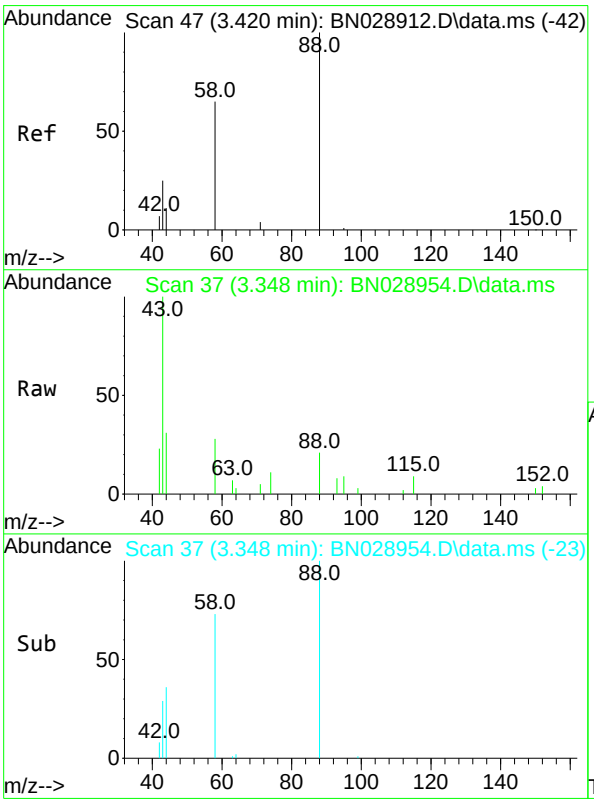
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.797 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:152 Resp: 2230

Ion	Ratio	Lower	Upper
152	100		
150	149.9	123.4	185.2
115	72.2	59.1	88.7

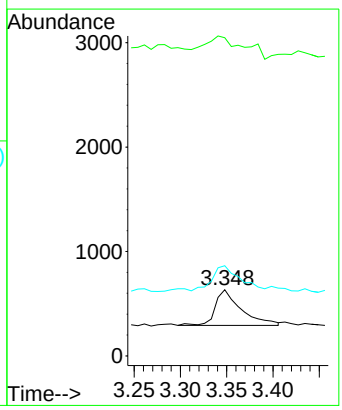


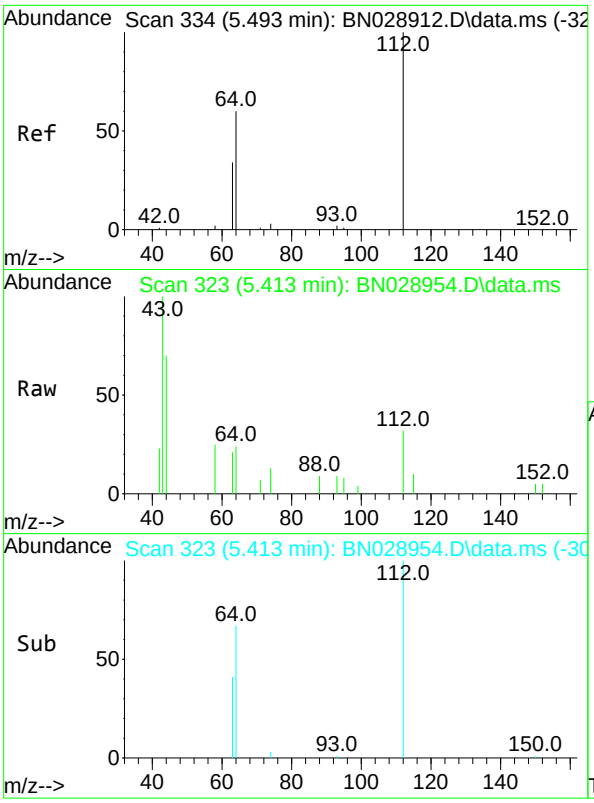


#2
1,4-Dioxane
Concen: 0.308 ng
RT: 3.348 min Scan# 37
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion: 88 Resp: 673

Ion	Ratio	Lower	Upper
88	100		
43	72.1	29.9	44.9#
58	73.1	55.0	82.4



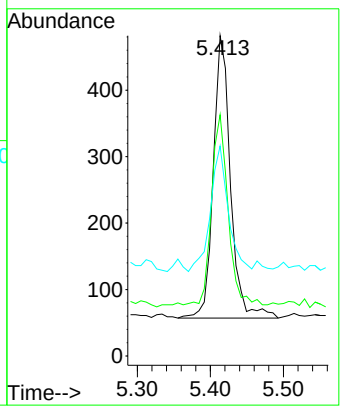


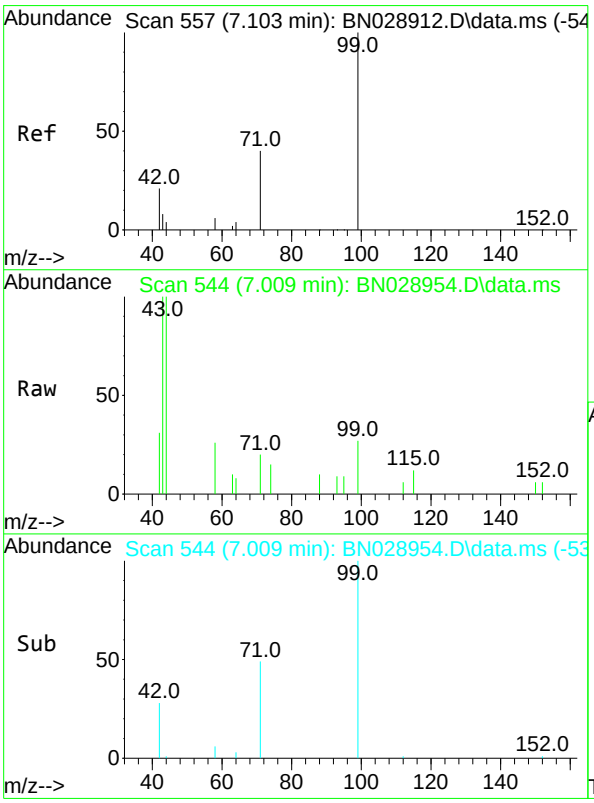
#4
2-Fluorophenol
Concen: 0.103 ng
RT: 5.413 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:112 Resp: 695

Ion	Ratio	Lower	Upper
112	100		
64	64.6	51.5	77.3
63	46.0	30.4	45.6#

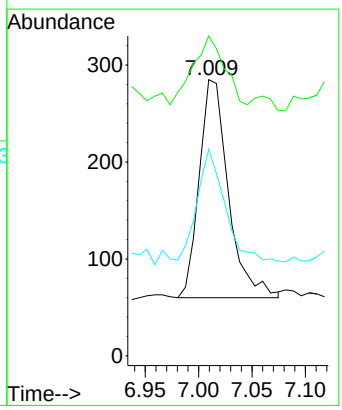


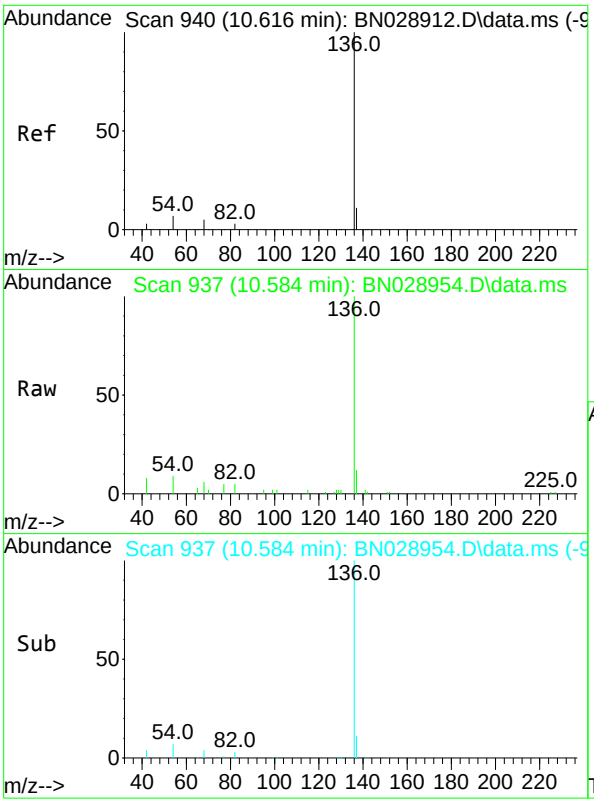


#5
Phenol-d6
Concen: 0.057 ng
RT: 7.009 min Scan# 544
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion: 99 Resp: 428

Ion	Ratio	Lower	Upper
99	100		
42	33.4	21.2	31.8#
71	48.8	35.4	53.0



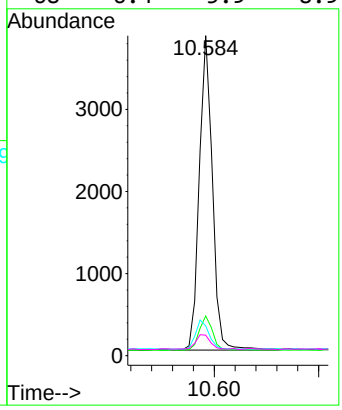


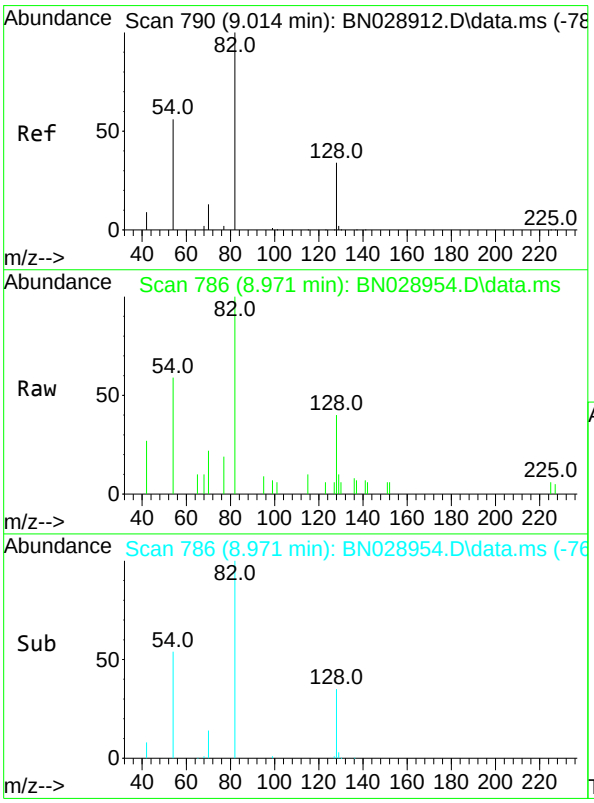
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:136 Resp: 6683

Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.6	16.0
54	9.3	7.5	11.3
68	6.4	5.9	8.9

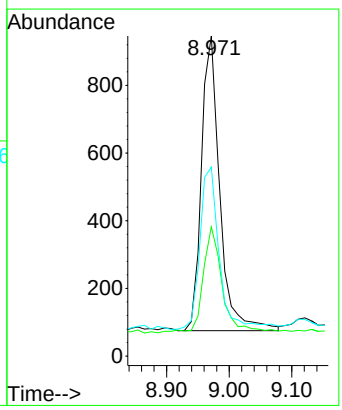


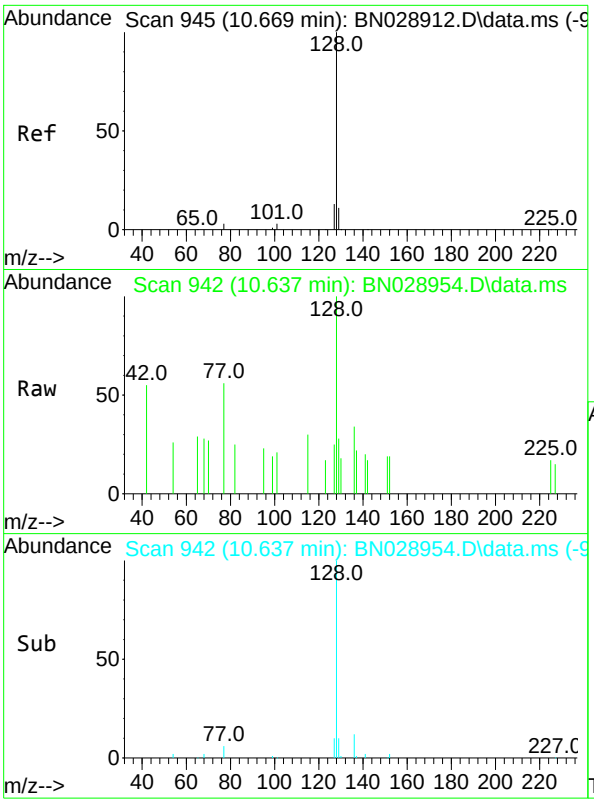


#8
Nitrobenzene-d5
Concen: 0.267 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion: 82 Resp: 1775

Ion	Ratio	Lower	Upper
82	100		
128	40.4	29.2	43.8
54	59.1	47.0	70.6



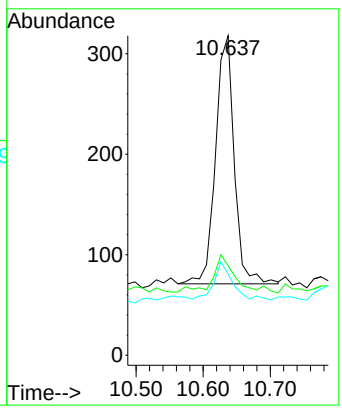


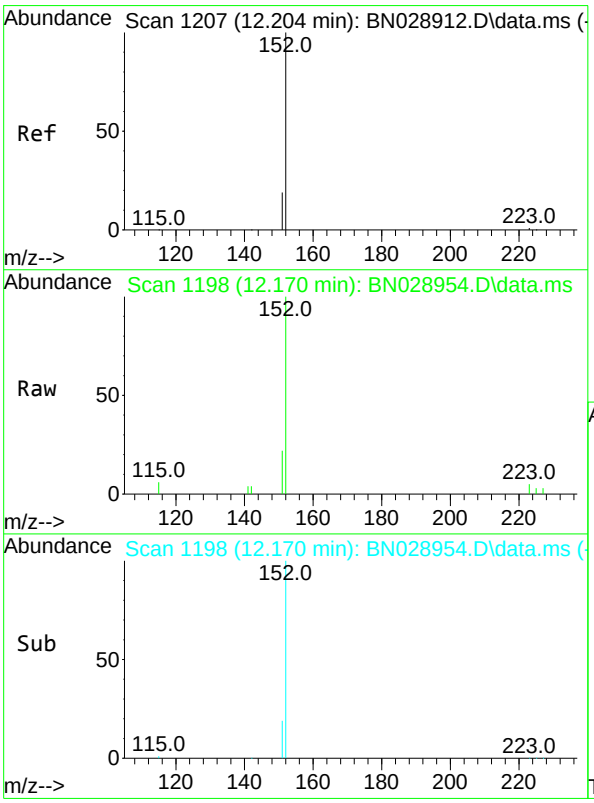
#9
Naphthalene
Concen: 0.023 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:128 Resp: 479

Ion	Ratio	Lower	Upper
128	100		
129	28.0	9.5	14.3#
127	25.5	11.0	16.4#

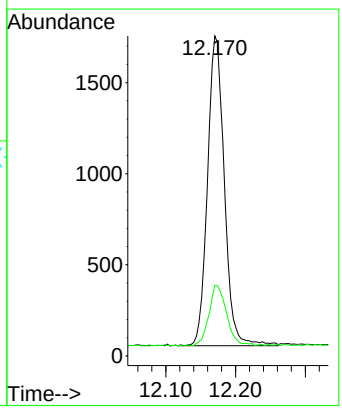


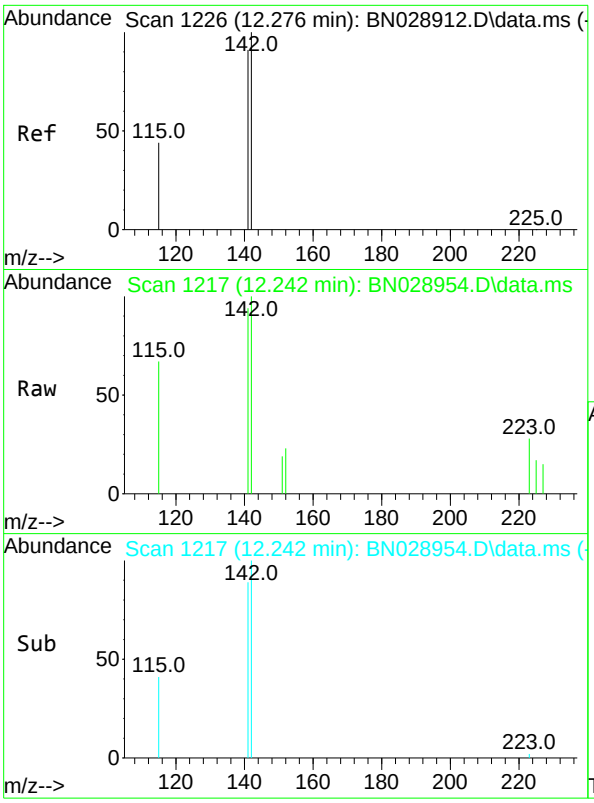


#11
2-Methylnaphthalene-d10
Concen: 0.266 ng
RT: 12.170 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:152 Resp: 2849

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.7	25.1



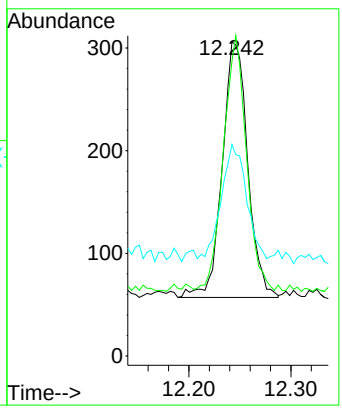


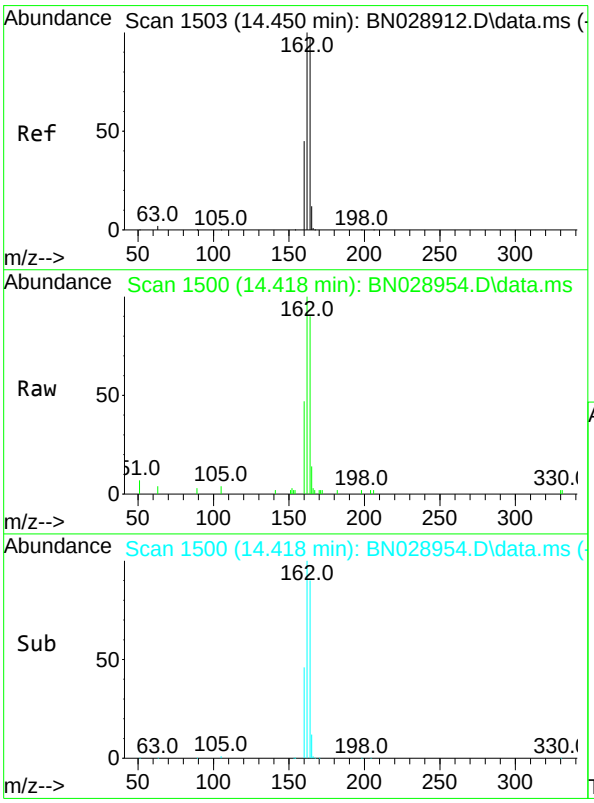
#12
2-Methylnaphthalene
Concen: 0.032 ng
RT: 12.242 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:142 Resp: 433

Ion	Ratio	Lower	Upper
142	100		
141	93.8	73.1	109.7
115	67.3	37.6	56.4#

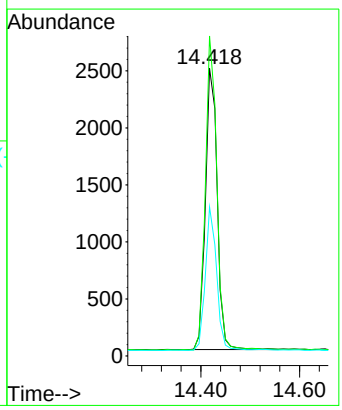


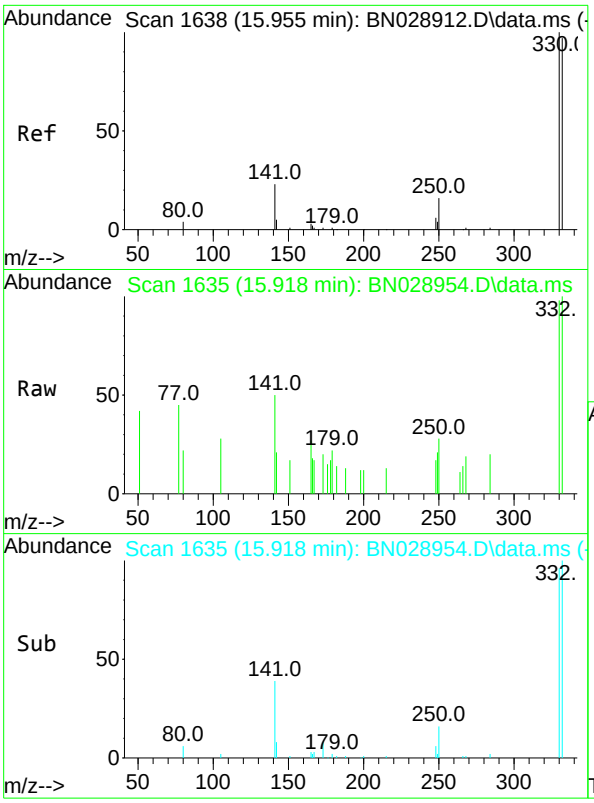


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.418 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:164 Resp: 4092

Ion	Ratio	Lower	Upper
164	100		
162	111.3	81.7	122.5
160	51.8	37.0	55.6



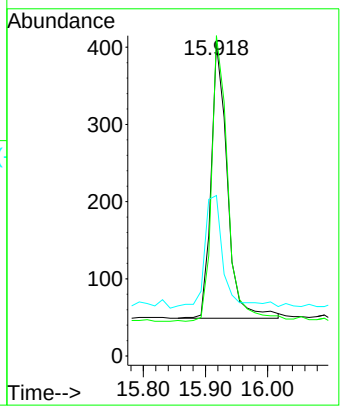


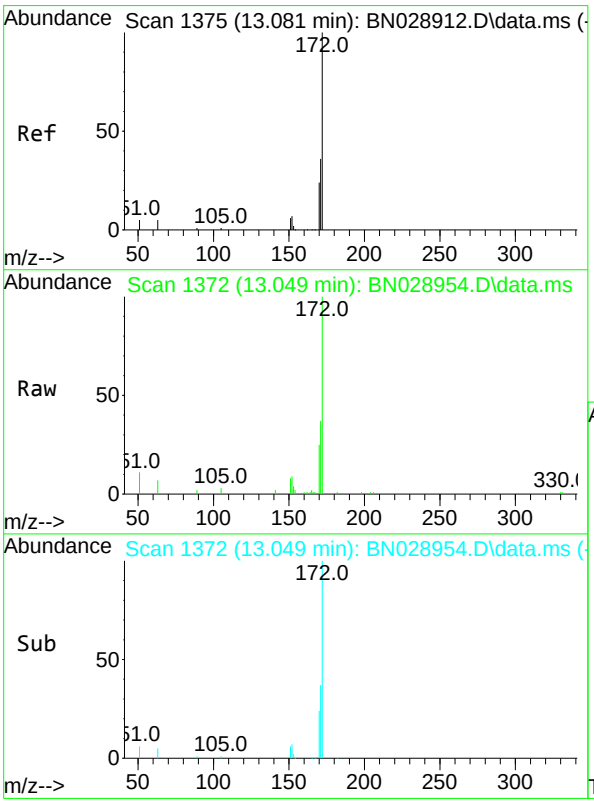
#14
2,4,6-Tribromophenol
Concen: 0.234 ng
RT: 15.918 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:330 Resp: 647

Ion	Ratio	Lower	Upper
330	100		
332	102.6	75.4	113.2
141	45.0	35.7	53.5

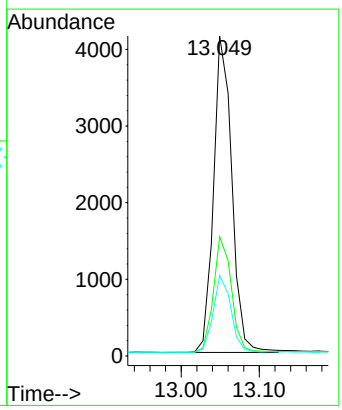


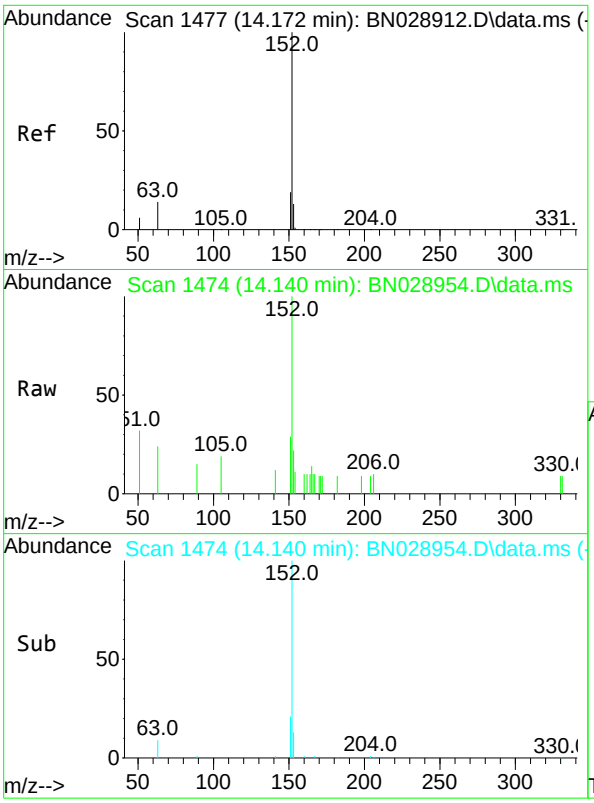


#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 13.049 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:172 Resp: 6685

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.0	43.4
170	25.1	19.7	29.5



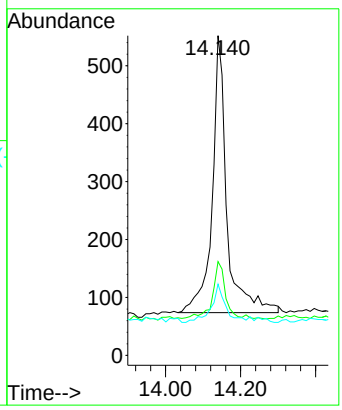


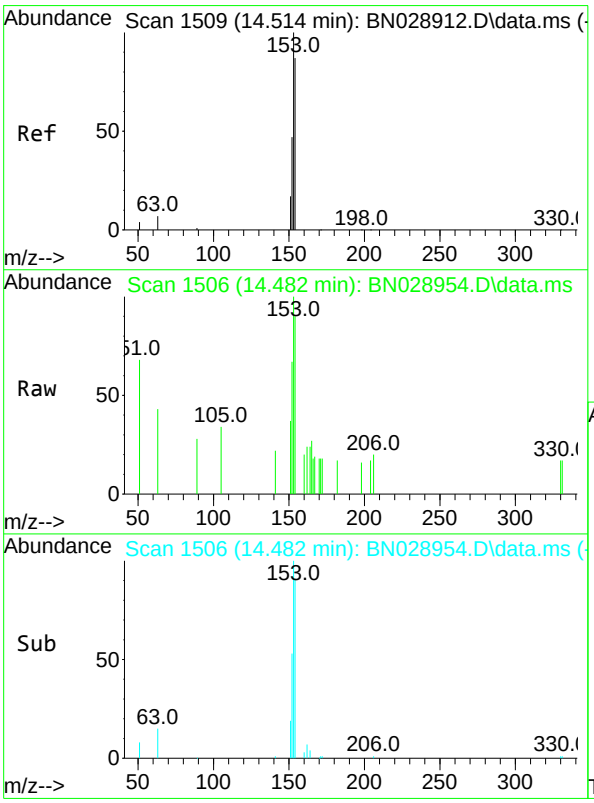
#16
Acenaphthylene
Concen: 0.060 ng
RT: 14.140 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:152 Resp: 1298

Ion	Ratio	Lower	Upper
152	100		
151	18.1	15.9	23.9
153	13.5	10.8	16.2

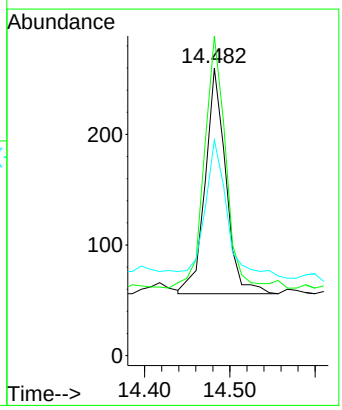


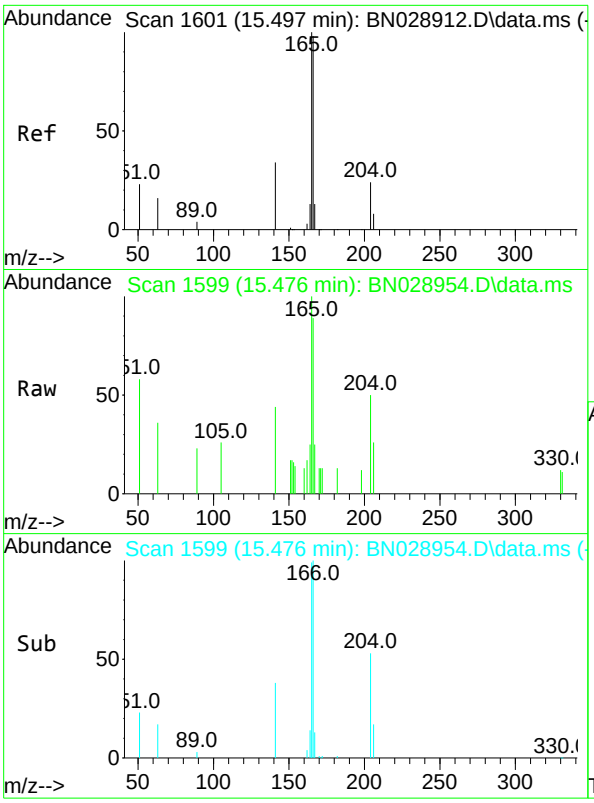


#17
Acenaphthene
Concen: 0.024 ng
RT: 14.482 min Scan# 1506
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:154 Resp: 341

Ion	Ratio	Lower	Upper
154	100		
153	117.0	93.8	140.6
152	67.7	44.5	66.7#



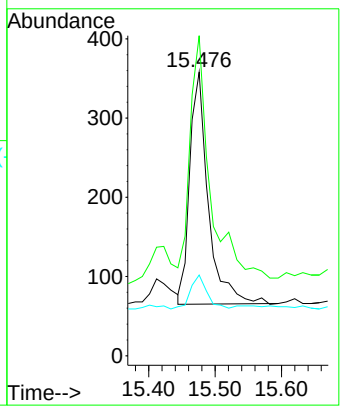


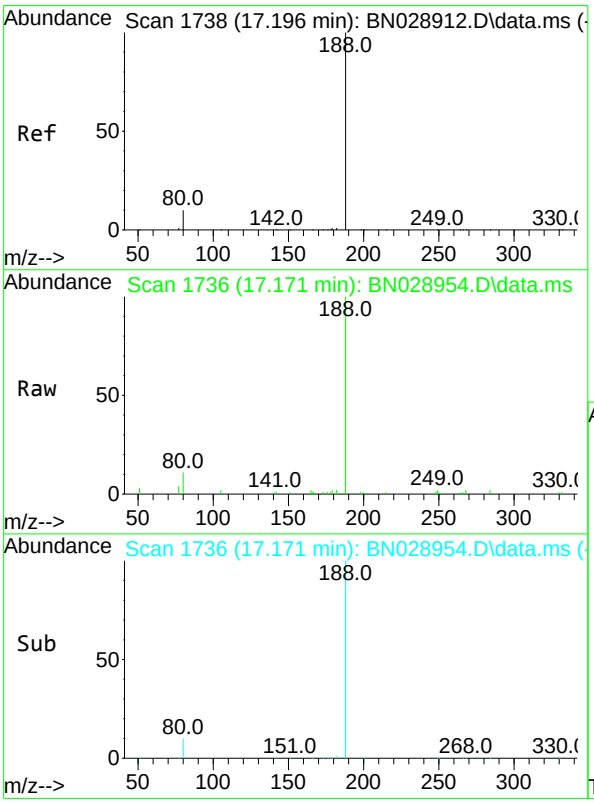
#18
Fluorene
Concen: 0.033 ng
RT: 15.476 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:166 Resp: 608

Ion	Ratio	Lower	Upper
166	100		
165	114.8	79.4	119.2
167	12.5	11.0	16.4

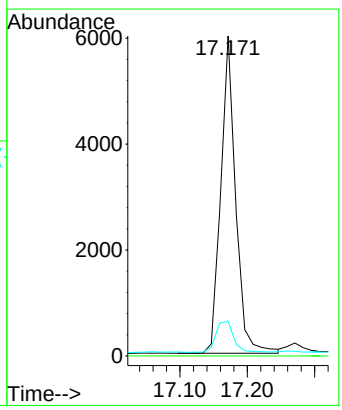


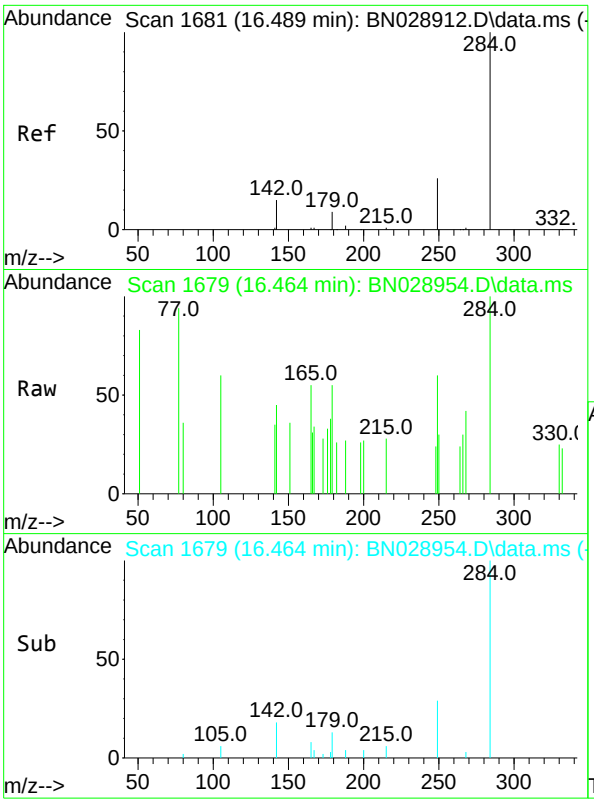


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.171 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:188 Resp: 9175

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	9.0	13.6



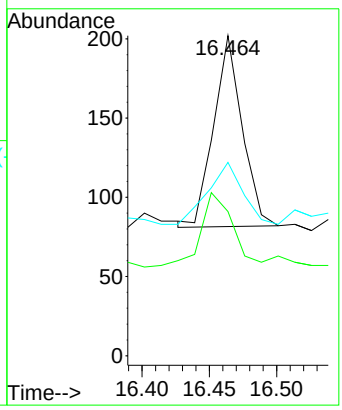


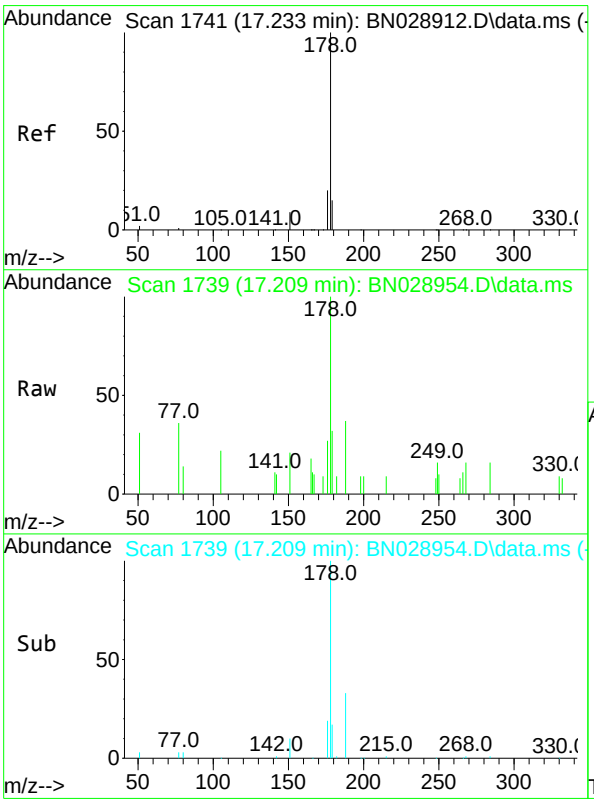
#22
Hexachlorobenzene
Concen: 0.023 ng
RT: 16.464 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:284 Resp: 177

Ion	Ratio	Lower	Upper
284	100		
142	48.6	34.1	51.1
249	39.5	25.7	38.5#

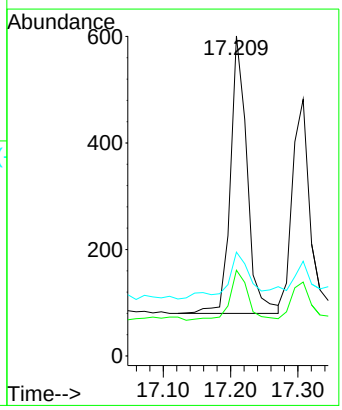


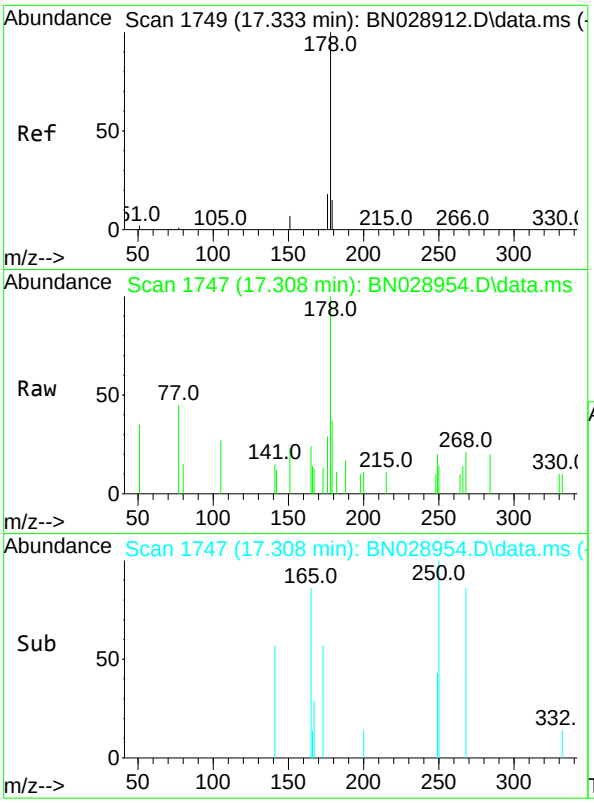


#25
Phenanthrene
Concen: 0.029 ng
RT: 17.209 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:178 Resp: 893

Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.4	24.6
179	23.7	14.1	21.1#



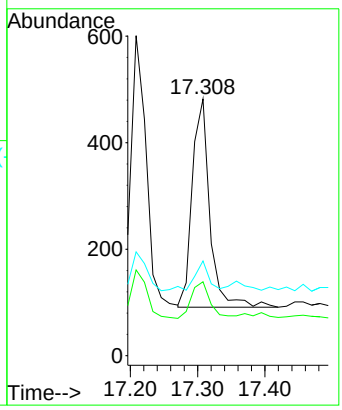


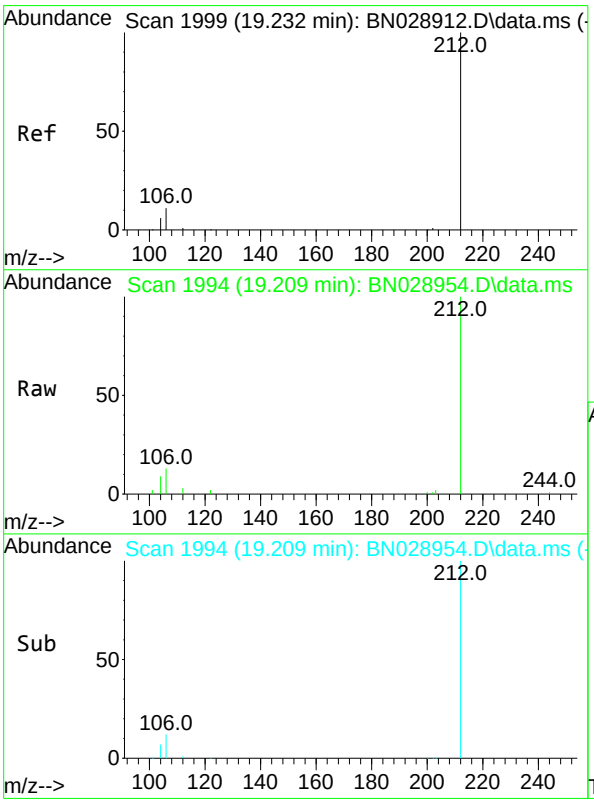
#26
Anthracene
Concen: 0.025 ng
RT: 17.308 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:178 Resp: 712

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	10.4	12.2	18.2#

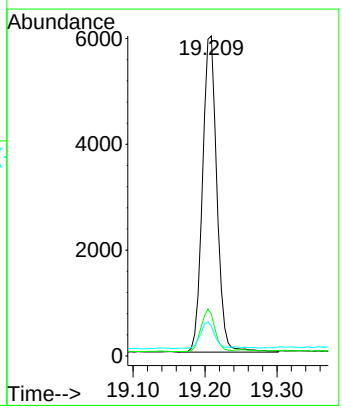


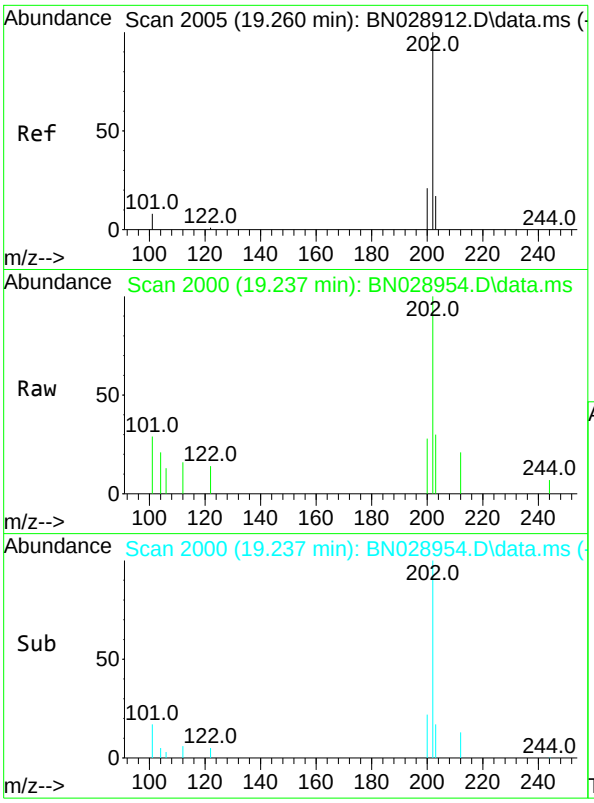


#27
Fluoranthene-d10
Concen: 0.343 ng
RT: 19.209 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:212 Resp: 8279

Ion	Ratio	Lower	Upper
212	100		
106	13.1	9.4	14.2
104	8.4	6.2	9.2



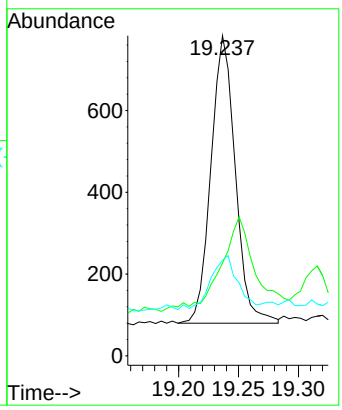


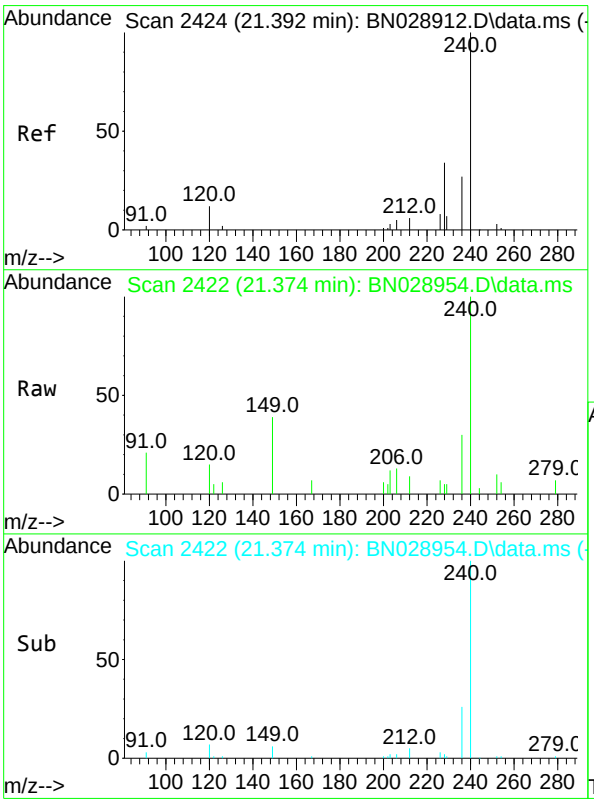
#28
Fluoranthene
Concen: 0.032 ng
RT: 19.237 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:202 Resp: 994

Ion	Ratio	Lower	Upper
202	100		
101	46.9	7.3	10.9#
203	21.0	14.1	21.1

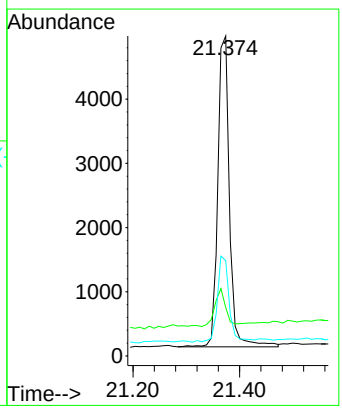


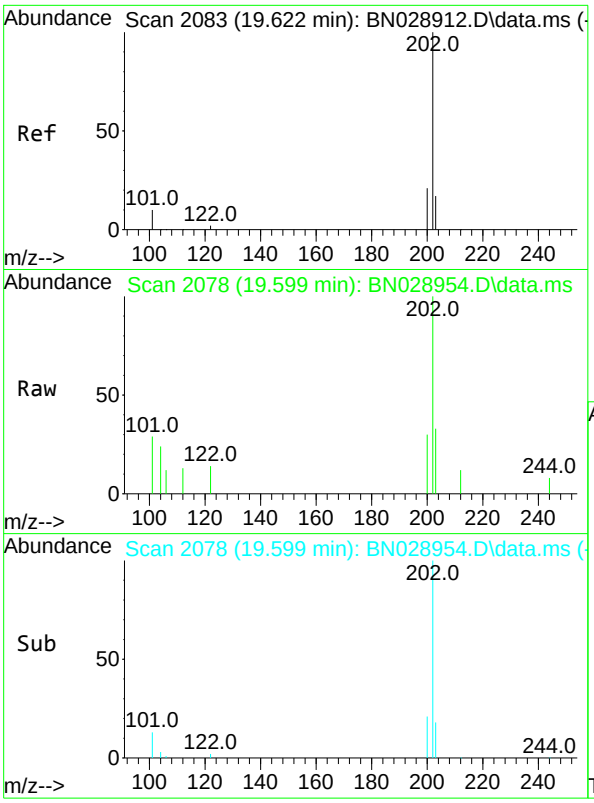


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.374 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:240 Resp: 7381

Ion	Ratio	Lower	Upper
240	100		
120	15.2	37.1	55.7#
236	29.8	32.4	48.6#



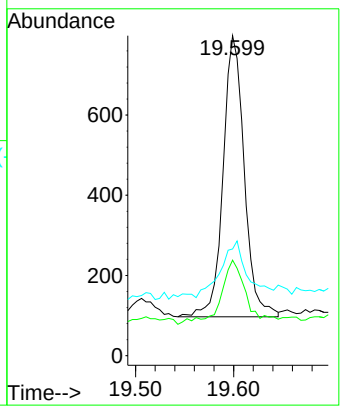


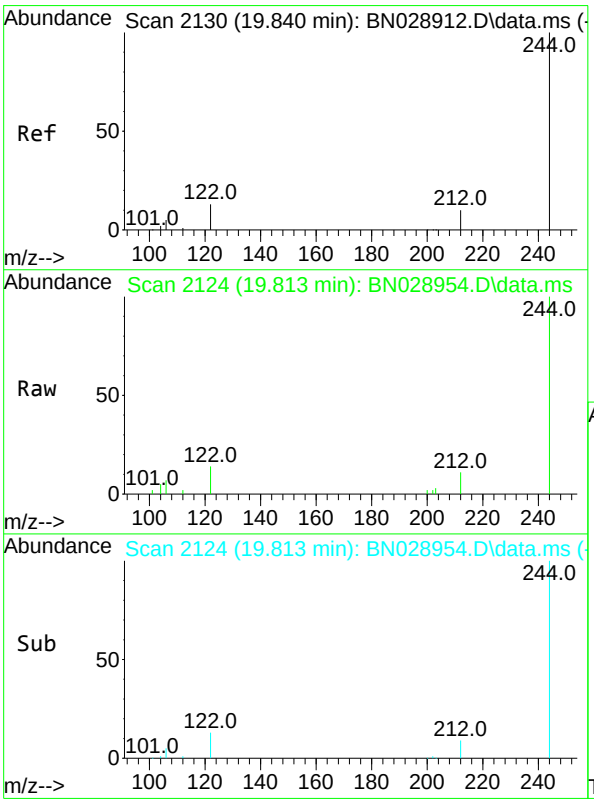
#30
Pyrene
Concen: 0.113 ng
RT: 19.599 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:202 Resp: 1056

Ion	Ratio	Lower	Upper
202	100		
200	27.5	16.9	25.3#
203	25.2	14.8	22.2#

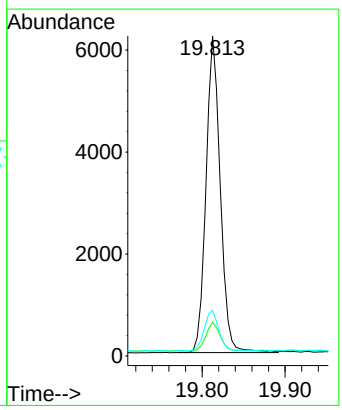


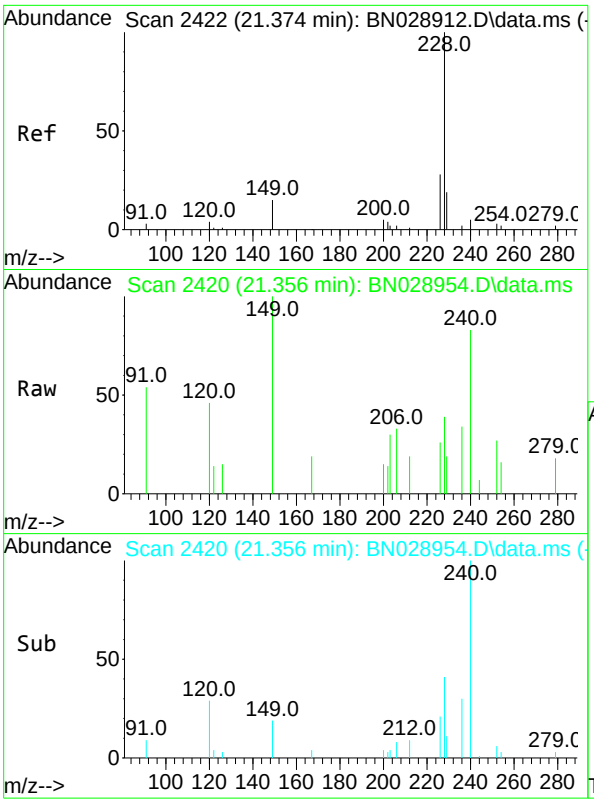


#31
Terphenyl-d14
Concen: 0.371 ng
RT: 19.813 min Scan# 2124
Delta R.T. -0.005 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:244 Resp: 7443

Ion	Ratio	Lower	Upper
244	100		
212	10.6	11.5	17.3#
122	14.4	13.2	19.8



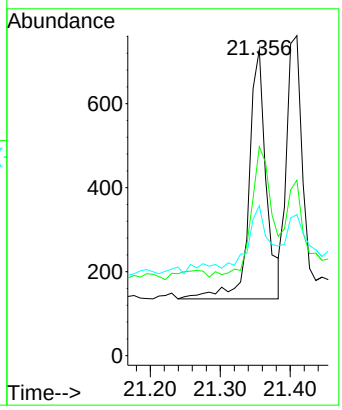


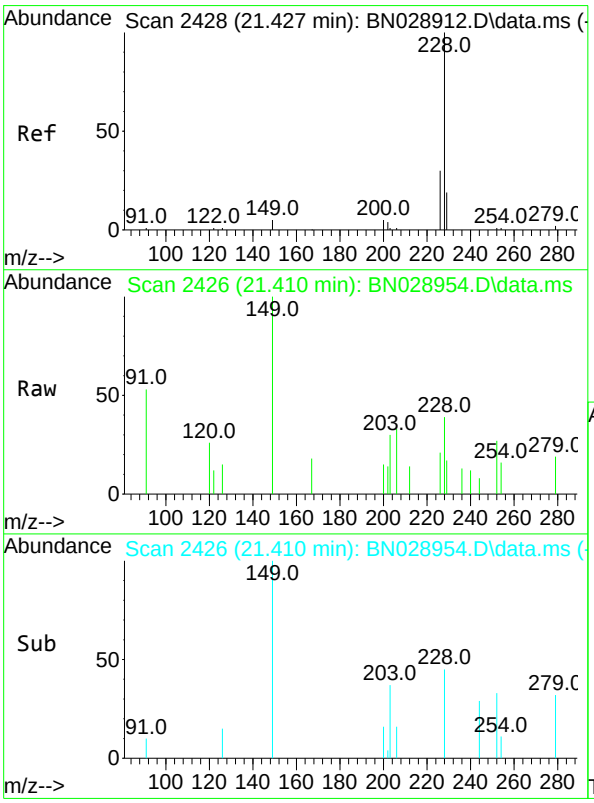
#32
Benzo(a)anthracene
Concen: 0.033 ng
RT: 21.356 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:228 Resp: 1022

Ion	Ratio	Lower	Upper
228	100		
226	68.3	26.5	39.7#
229	49.0	16.4	24.6#

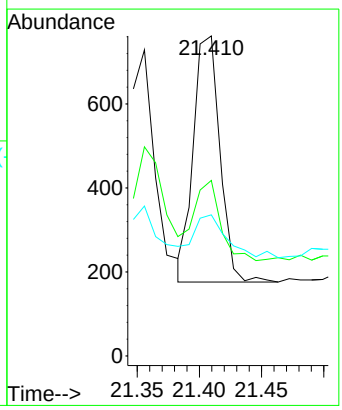


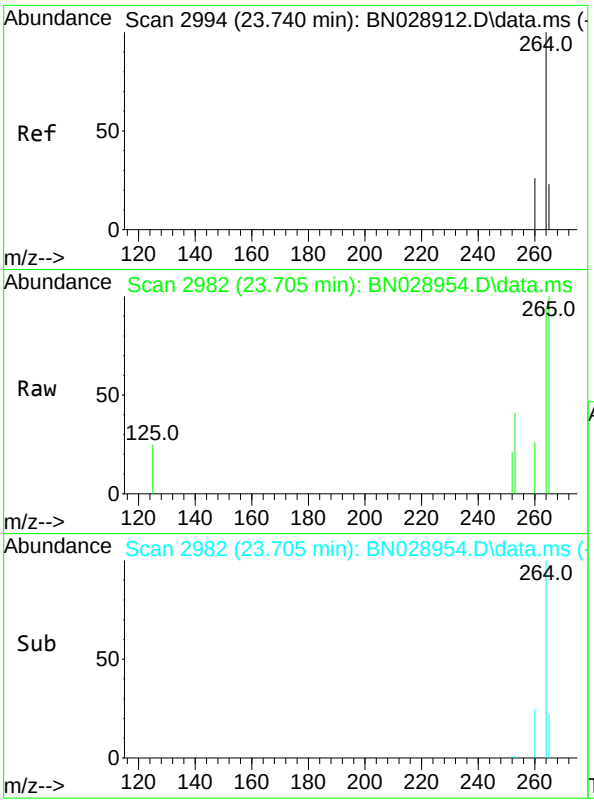


#33
Chrysene
Concen: 0.028 ng
RT: 21.410 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:228 Resp: 868

Ion	Ratio	Lower	Upper
228	100		
226	54.9	28.3	42.5#
229	44.1	16.4	24.6#



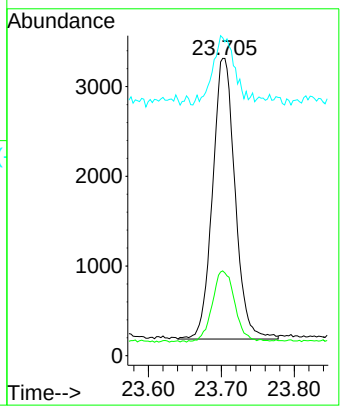


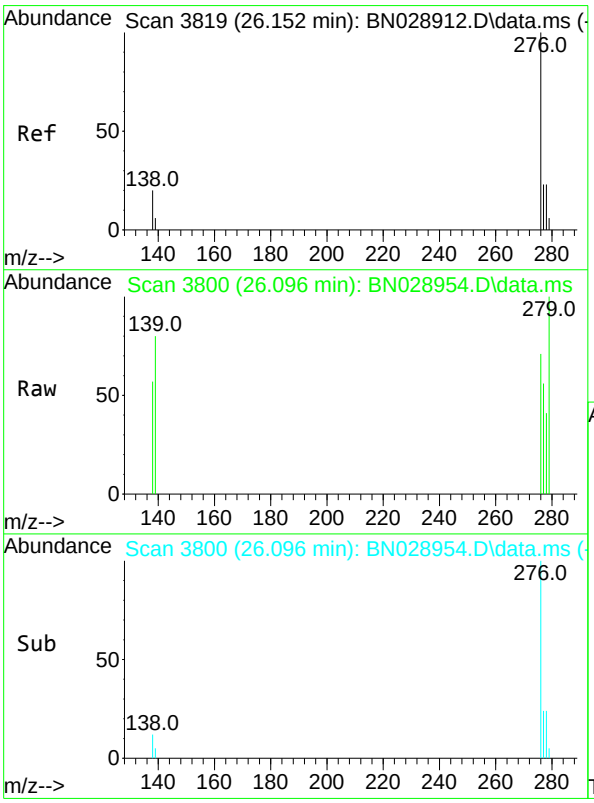
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.705 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:264 Resp: 6713

Ion	Ratio	Lower	Upper
264	100		
260	27.8	20.6	30.8
265	105.5	464.5	696.7#

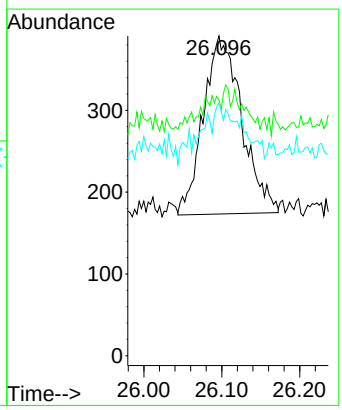


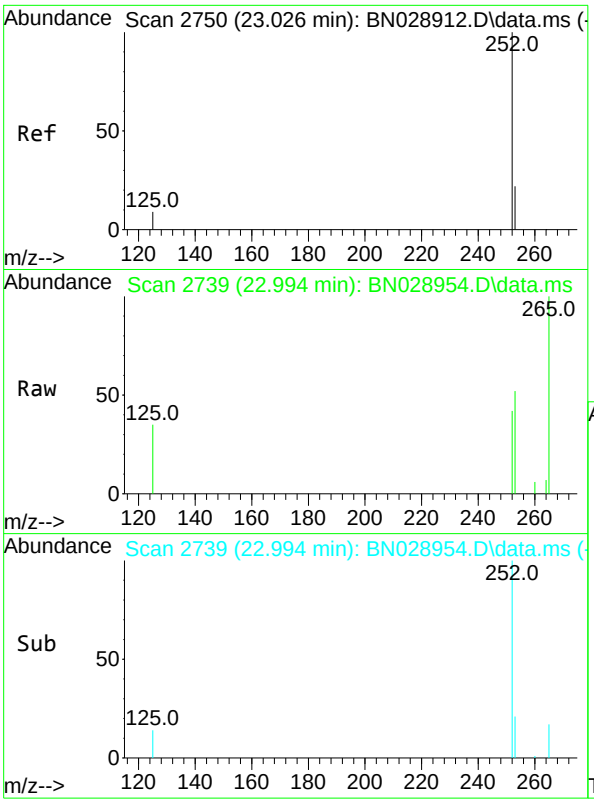


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.025 ng
RT: 26.096 min Scan# 3800
Delta R.T. -0.006 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:276 Resp: 745

Ion	Ratio	Lower	Upper
276	100		
138	1.9	20.9	31.3#
277	3.1	20.2	30.4#



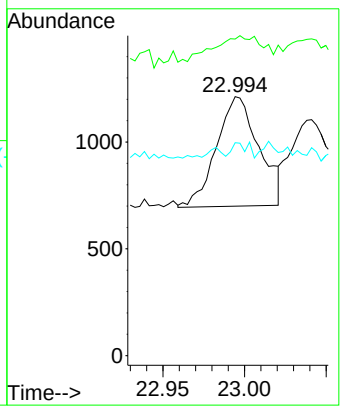


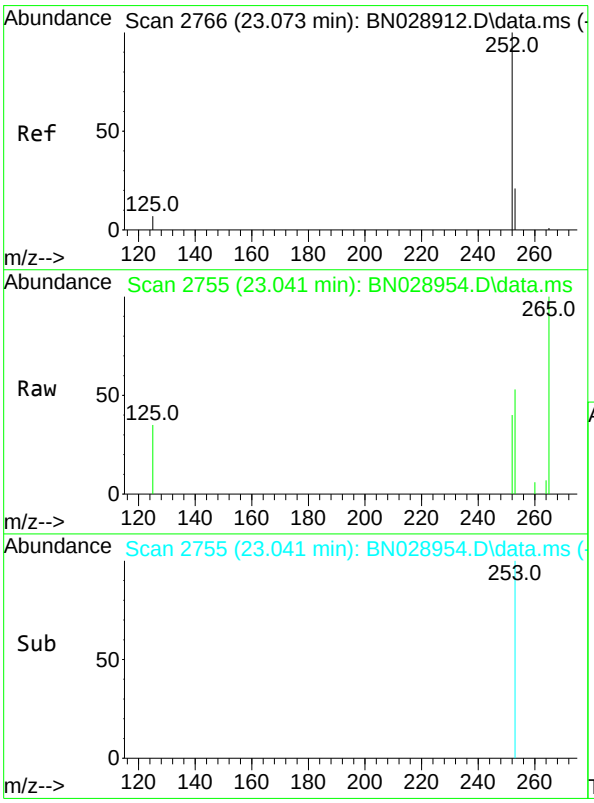
#37
Benzo(b)fluoranthene
Concen: 0.034 ng
RT: 22.994 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:252 Resp: 931

Ion	Ratio	Lower	Upper
252	100		
253	122.2	94.5	141.7
125	82.2	23.8	35.8#

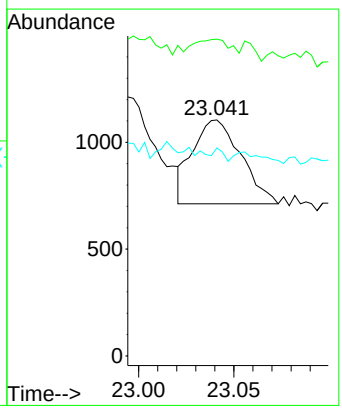


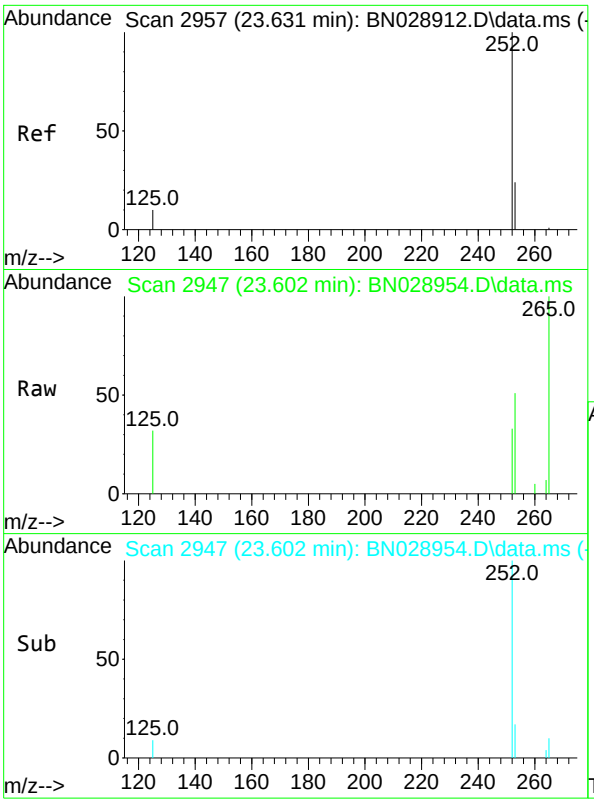


#38
Benzo(k)fluoranthene
Concen: 0.027 ng
RT: 23.041 min Scan# 2755
Delta R.T. -0.003 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:252 Resp: 694

Ion	Ratio	Lower	Upper
252	100		
253	134.2	95.2	142.8
125	88.1	24.3	36.5#



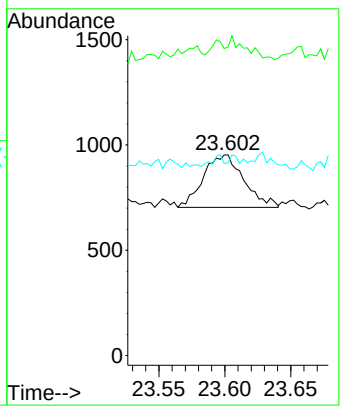


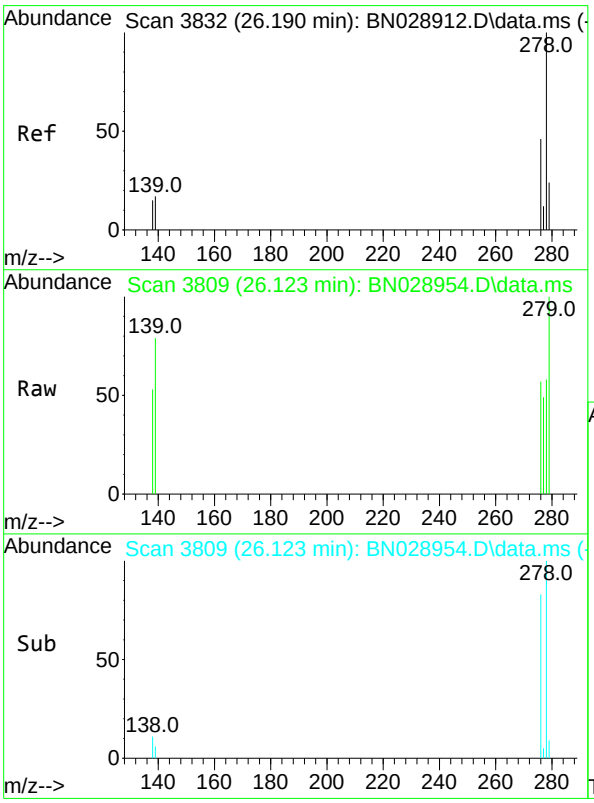
#39
Benzo(a)pyrene
Concen: 0.022 ng
RT: 23.602 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:252 Resp: 530

Ion	Ratio	Lower	Upper
252	100		
253	153.8	110.2	165.4
125	96.0	27.0	40.4#

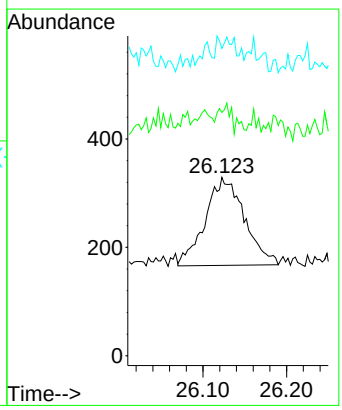


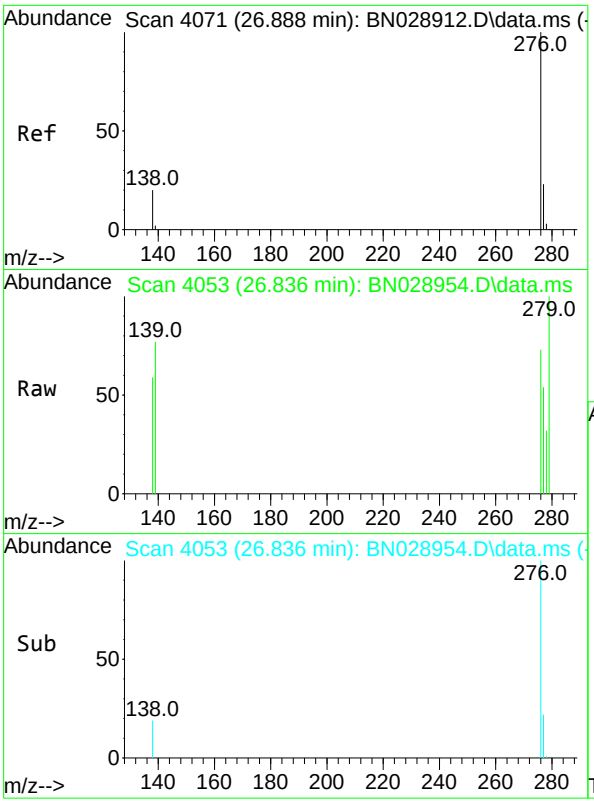


#40
Dibenzo(a,h)anthracene
Concen: 0.023 ng
RT: 26.123 min Scan# 3809
Delta R.T. -0.009 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Tgt Ion:278 Resp: 526

Ion	Ratio	Lower	Upper
278	100		
139	136.5	22.6	33.8#
279	172.3	102.6	153.8#





#41
Benzo(g,h,i)perylene
Concen: 0.022 ng
RT: 26.836 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN028954.D
Acq: 01 Dec 2023 19:24

Instrument :
BNA_N
ClientSampleId :
TT163S1-20231108

Tgt Ion:276 Resp: 569

Ion	Ratio	Lower	Upper
276	100		
277	74.8	28.9	43.3#
138	81.5	36.2	54.2#