Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091123\
Data File : BN027564.D
Acq On : 11 Sep 2023 06:46
Operator : MA/JU
Sample : 04251-01
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Quant Time: Sep 11 07:54:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 11 05:26:09 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.037	152	6577	0.400	ng	0.00
7) Naphthalene-d8	10.853	136	20991	0.400	ng	0.00
13) Acenaphthene-d10	14.662	164	12766	0.400	ng	0.00
19) Phenanthrene-d10	17.405	188	27568	0.400	ng	-0.01
29) Chrysene-d12	21.587	240	18468	0.400	ng	0.00
35) Perylene-d12	24.095	264	15211	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.560	112	4726	0.276	ng	0.00
5) Phenol-d6	7.178	99	3518	0.169	ng	0.00
8) Nitrobenzene-d5	9.219	82	8226	0.538	ng	0.00
11) 2-Methylnaphthalene-d10	12.430	152	14720	0.478	ng	0.00
14) 2,4,6-Tribromophenol	16.152	330	3595	0.761	ng	0.00
15) 2-Fluorobiphenyl	13.283	172	25683	0.529	ng	-0.01
27) Fluoranthene-d10	19.435	212	32028	0.467	ng	0.00
31) Terphenyl-d14	20.020	244	28877	0.778	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.444	88	555	0.069	ng	# 67
9) Naphthalene	10.906	128	2144	0.037	ng	# 86
12) 2-Methylnaphthalene	12.502	142	1171	0.029	ng	# 87
16) Acenaphthylene	14.394	152	1406	0.024	ng	# 77
17) Acenaphthene	14.726	154	7360	0.190	ng	99
18) Fluorene	15.705	166	2743	0.053	ng	99
25) Phenanthrene	17.455	178	21946	0.271	ng	99
26) Anthracene	17.542	178	5474	0.080	ng	# 95
28) Fluoranthene	19.462	202	4558	0.048	ng	# 92
30) Pyrene	19.829	202	3620	0.049	ng	98
32) Benzo(a)anthracene	21.569	228	2349	0.037	ng	# 76
33) Chrysene	21.632	228	1931	0.028	ng	# 74
34) Bis(2-ethylhexyl)phtha...	21.444	149	1858	0.061	ng	# 92
36) Indeno(1,2,3-cd)pyrene	26.729	276	1274	0.021	ng	97
37) Benzo(b)fluoranthene	23.314	252	1768	0.030	ng	# 4
38) Benzo(k)fluoranthene	23.370	252	1592	0.026	ng	# 1

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091123\
Data File : BN027564.D
Acq On : 11 Sep 2023 06:46
Operator : MA/JU
Sample : 04251-01
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
BNA_N
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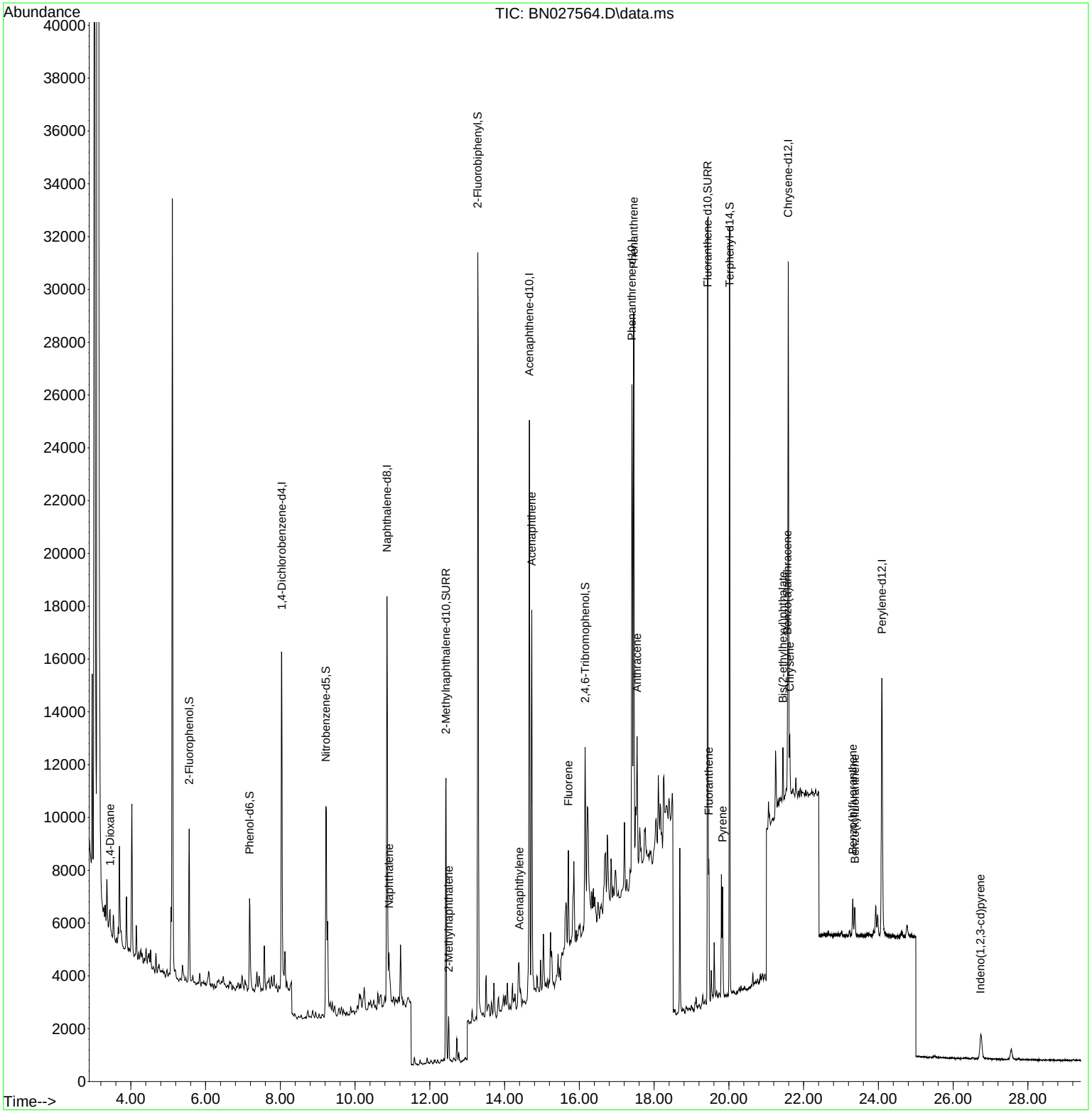
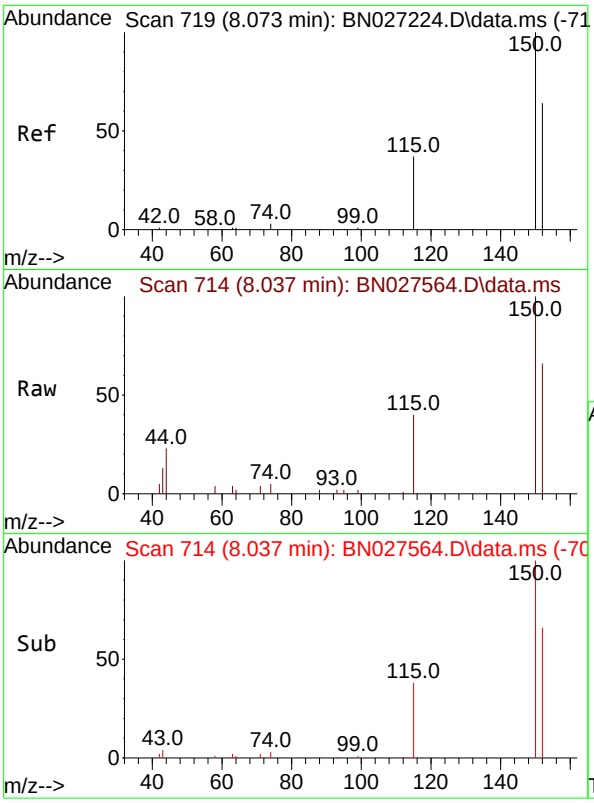
OW-02B-20.3-083023

Quant Time: Sep 11 07:54:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 11 05:26:09 2023
Response via : Initial Calibration



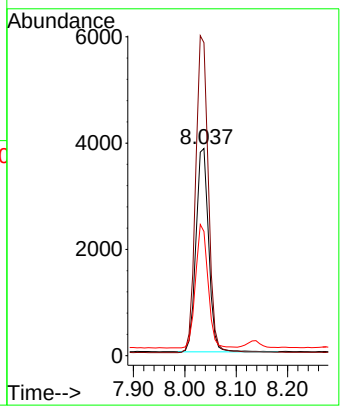


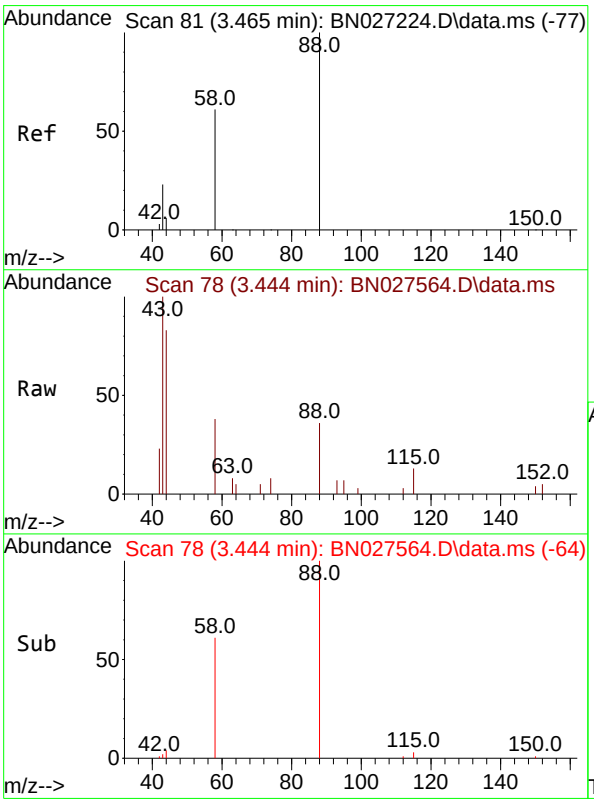
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.037 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:152 Resp: 6577

Ion	Ratio	Lower	Upper
152	100		
150	151.1	122.7	184.1
115	59.9	48.6	73.0

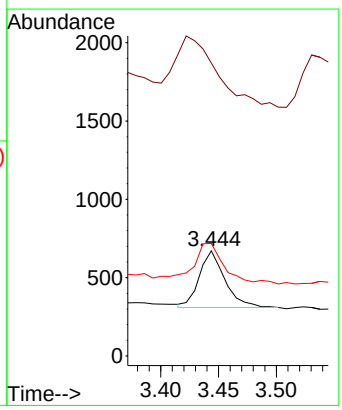


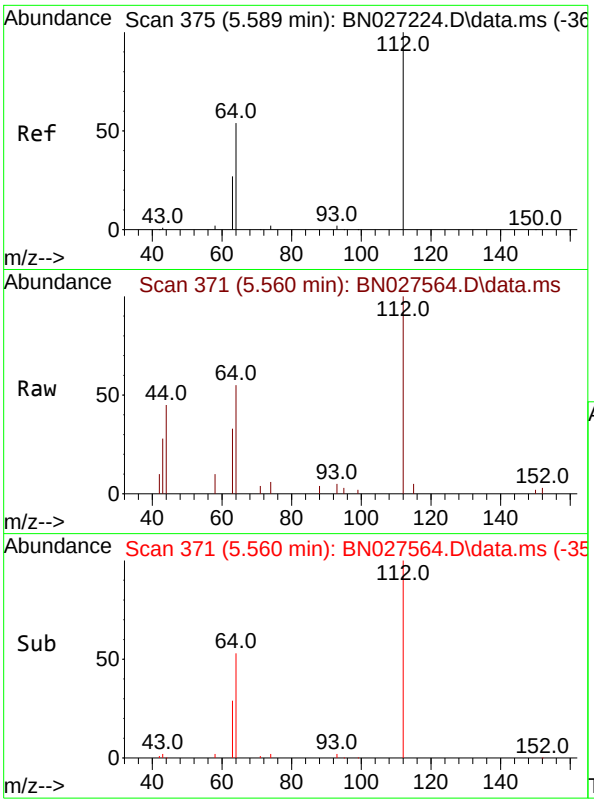


#2
1,4-Dioxane
Concen: 0.069 ng
RT: 3.444 min Scan# 78
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion: 88 Resp: 555

Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.1	28.7#
58	87.2	52.2	78.2#



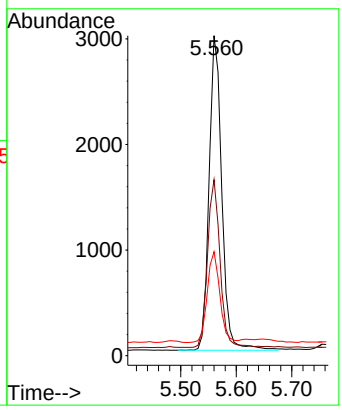


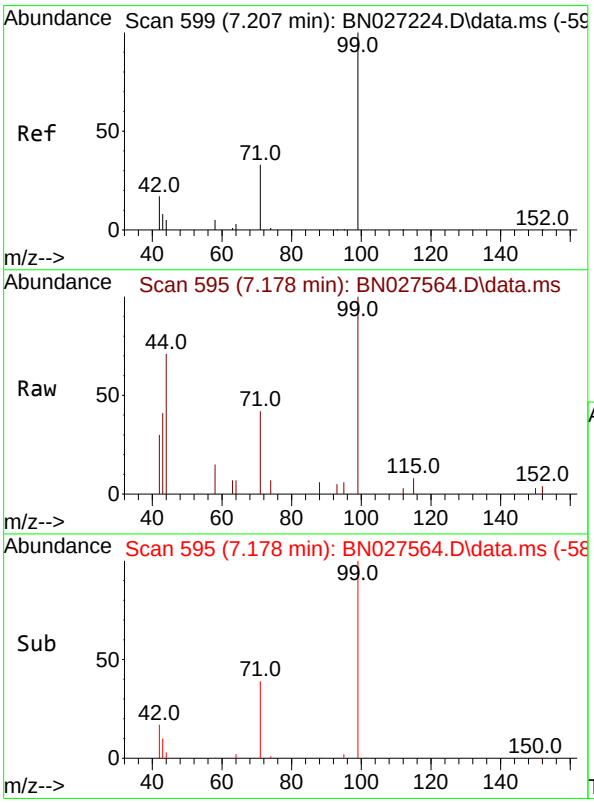
#4
2-Fluorophenol
Concen: 0.276 ng
RT: 5.560 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:112 Resp: 4726

Ion	Ratio	Lower	Upper
112	100		
64	52.9	44.4	66.6
63	28.7	23.1	34.7

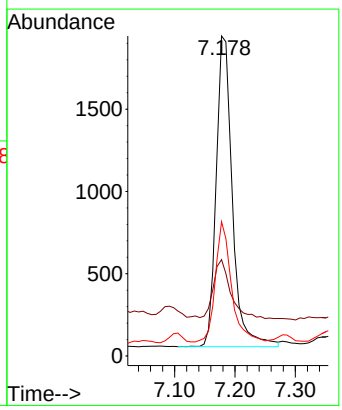


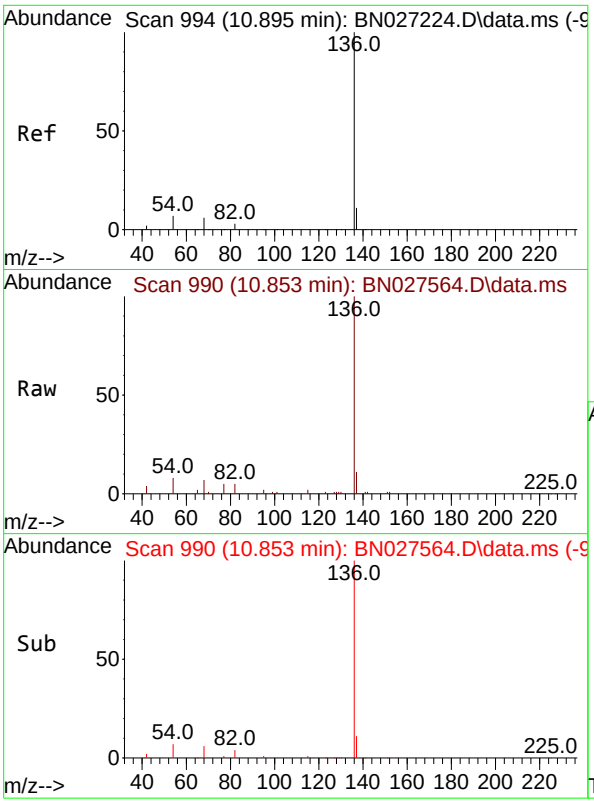


#5
Phenol-d6
Concen: 0.169 ng
RT: 7.178 min Scan# 595
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion: 99 Resp: 3518

Ion	Ratio	Lower	Upper
99	100		
42	22.2	14.5	21.7#
71	38.0	25.8	38.6



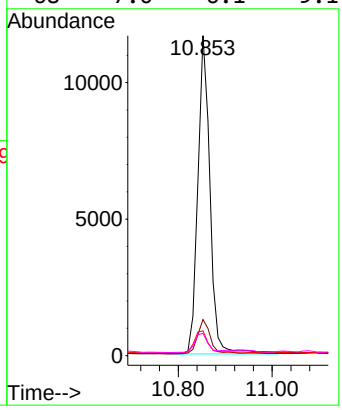


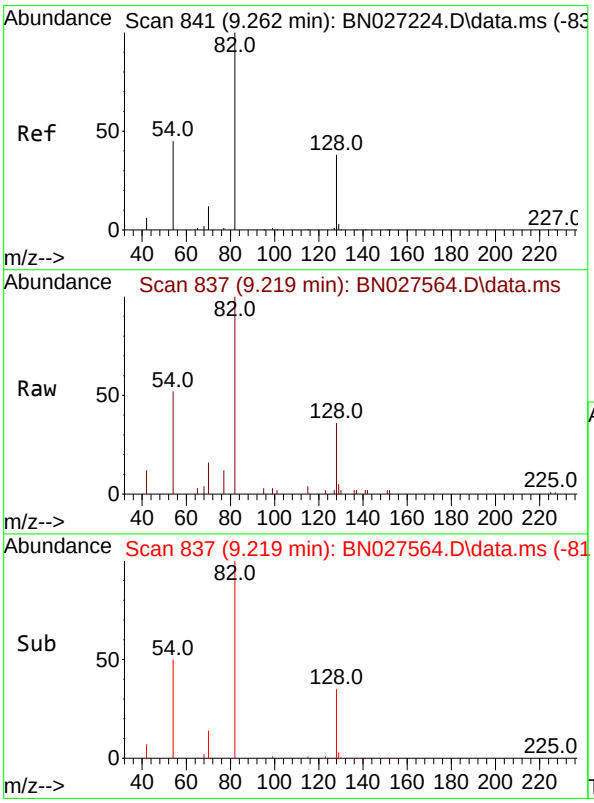
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.853 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:136 Resp: 20991

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	7.8	6.7	10.1
68	7.0	6.1	9.1

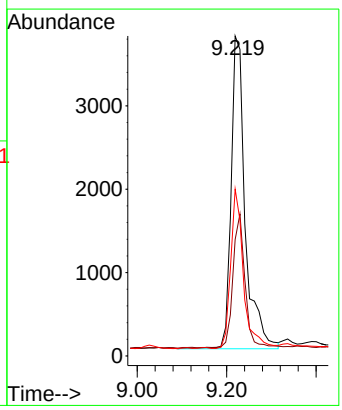


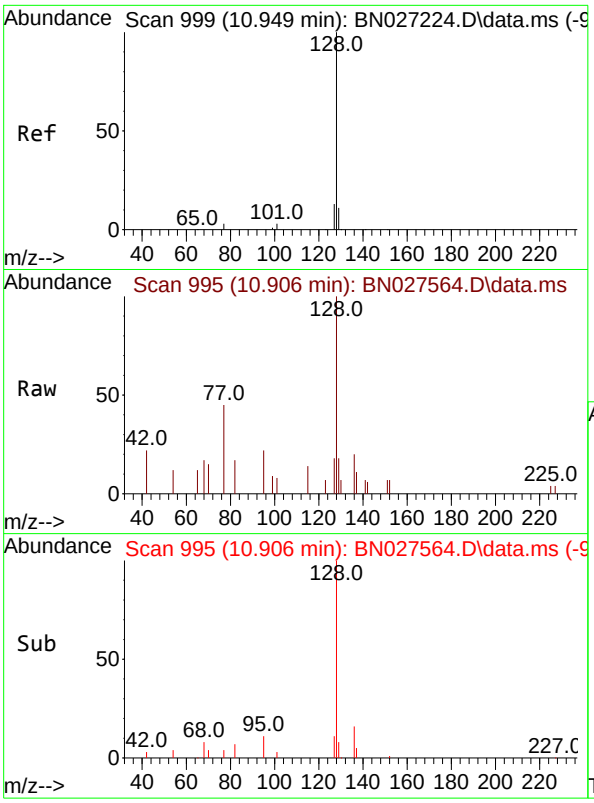


#8
Nitrobenzene-d5
Concen: 0.538 ng
RT: 9.219 min Scan# 837
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion: 82 Resp: 8226

Ion	Ratio	Lower	Upper
82	100		
128	36.4	33.4	50.0
54	52.1	37.7	56.5



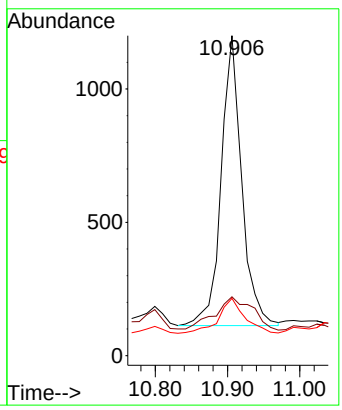


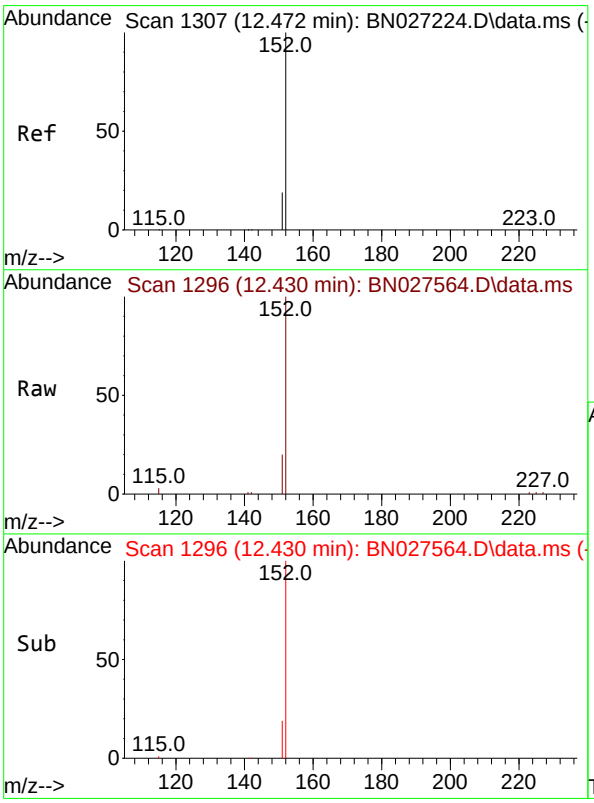
#9
Naphthalene
Concen: 0.037 ng
RT: 10.906 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:128 Resp: 2144

Ion	Ratio	Lower	Upper
128	100		
129	18.4	9.4	14.0#
127	17.9	10.6	15.8#

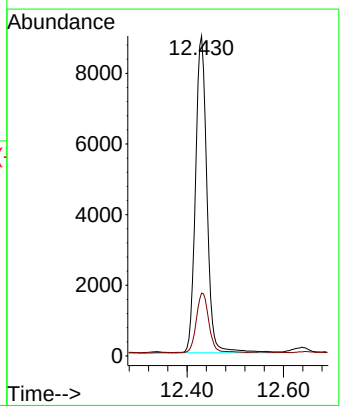


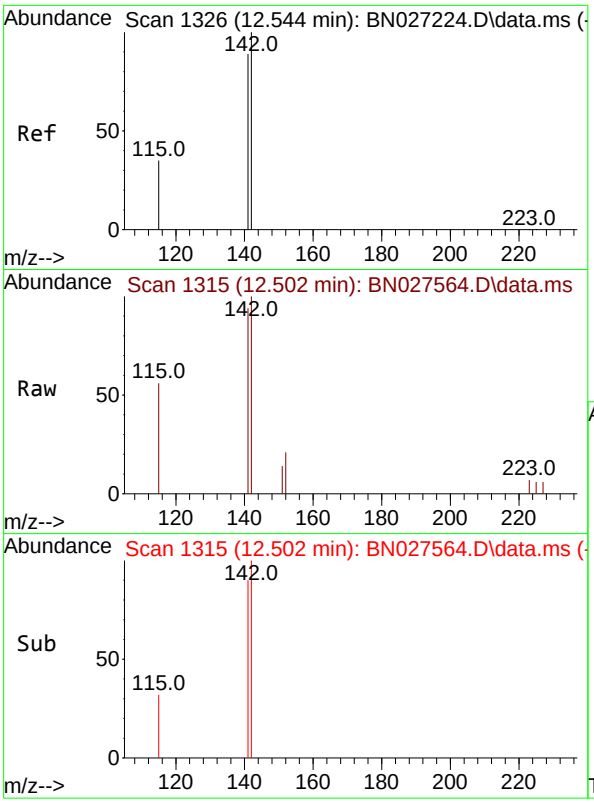


#11
2-Methylnaphthalene-d10
Concen: 0.478 ng
RT: 12.430 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:152 Resp: 14720

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0



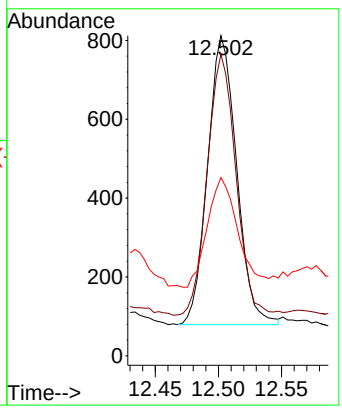


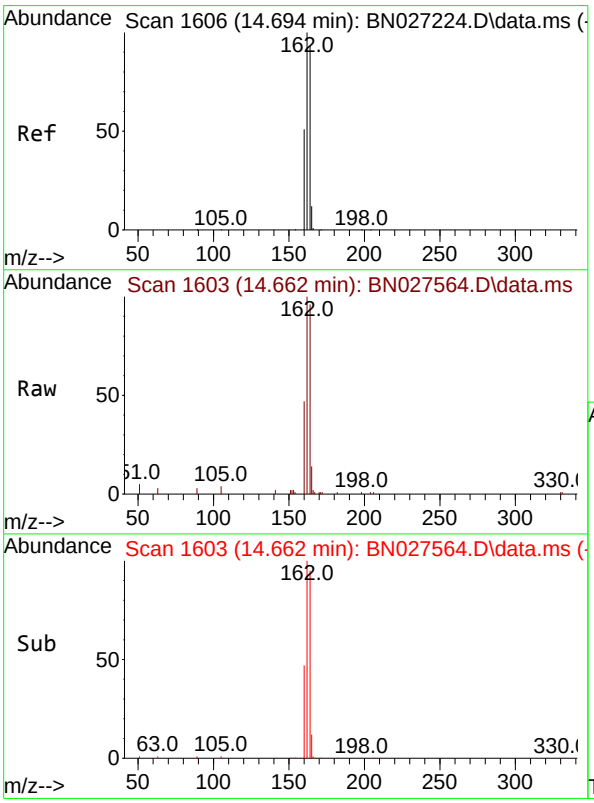
#12
2-Methylnaphthalene
Concen: 0.029 ng
RT: 12.502 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:142 Resp: 1171

Ion	Ratio	Lower	Upper
142	100		
141	94.2	71.1	106.7
115	55.7	29.6	44.4#

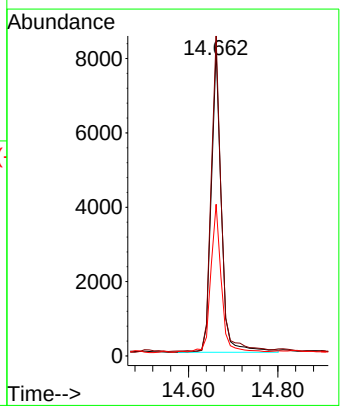


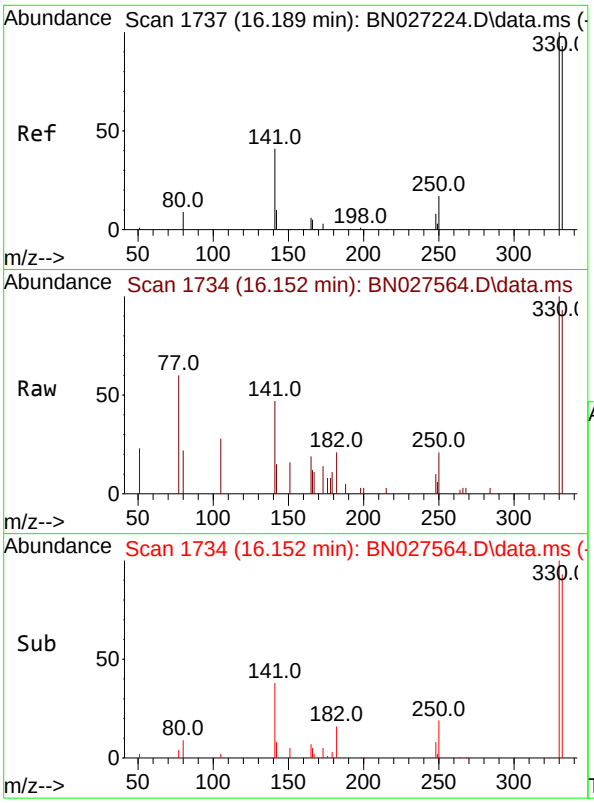


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.662 min Scan# 1603
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:164 Resp: 12766

Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.8	128.8
160	49.5	44.2	66.2



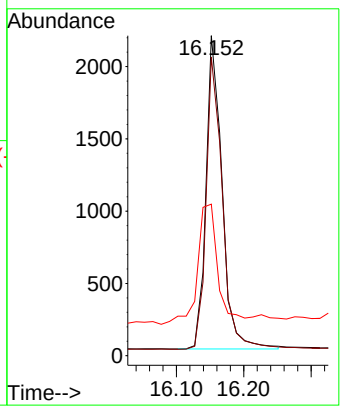


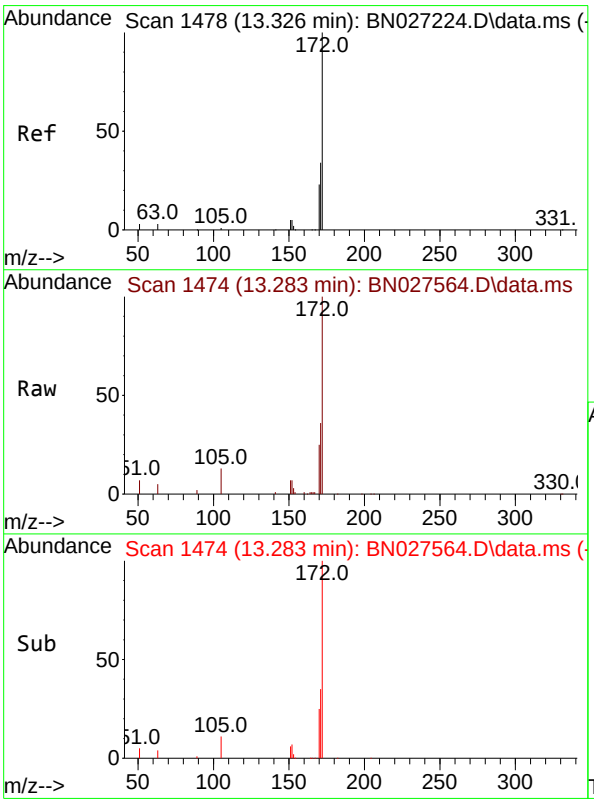
#14
2,4,6-Tribromophenol
Concen: 0.761 ng
RT: 16.152 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:330 Resp: 3595

Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.2	112.8
141	48.8	36.2	54.4

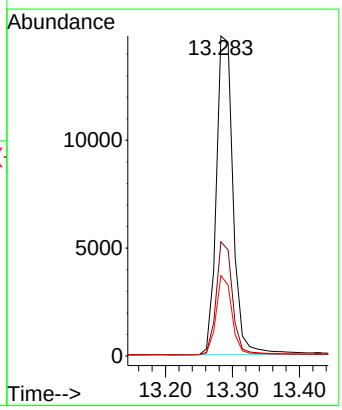


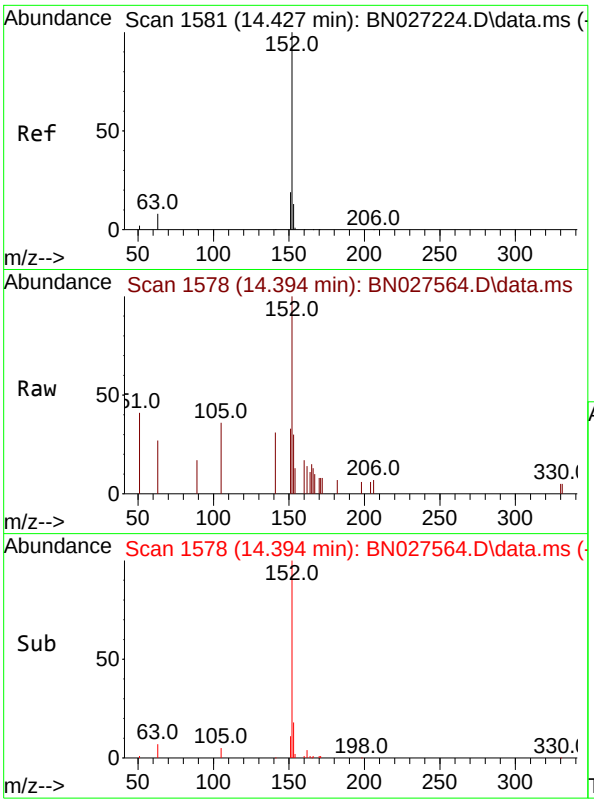


#15
2-Fluorobiphenyl
Concen: 0.529 ng
RT: 13.283 min Scan# 1474
Delta R.T. -0.011 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:172 Resp: 25683

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.8
170	25.1	19.3	28.9



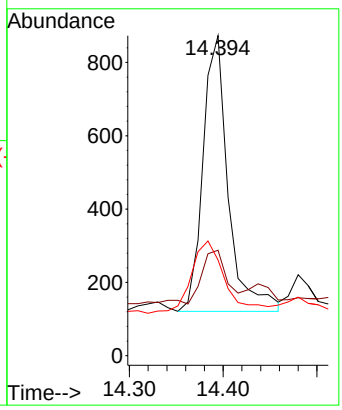


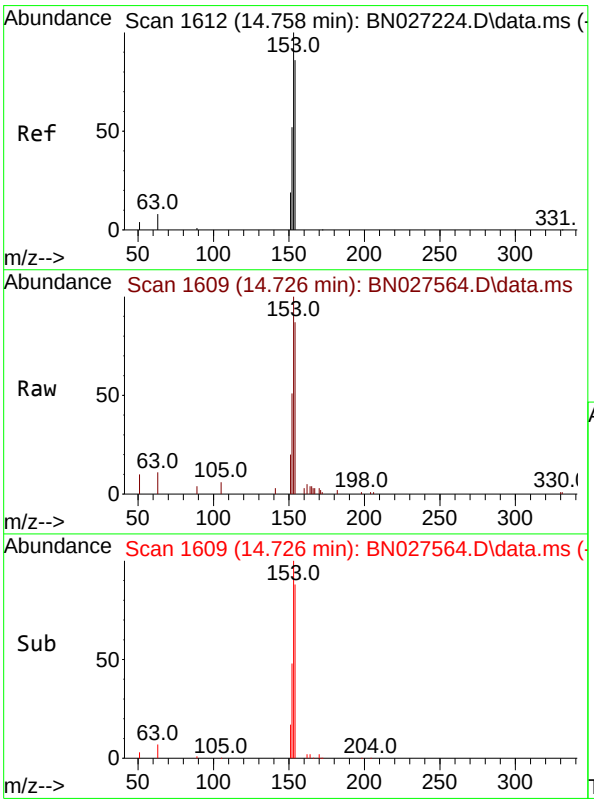
#16
Acenaphthylene
Concen: 0.024 ng
RT: 14.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:152 Resp: 1406

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	35.4	10.3	15.5#

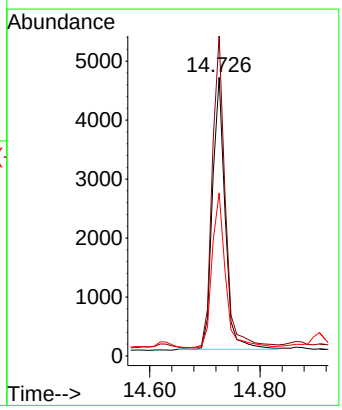


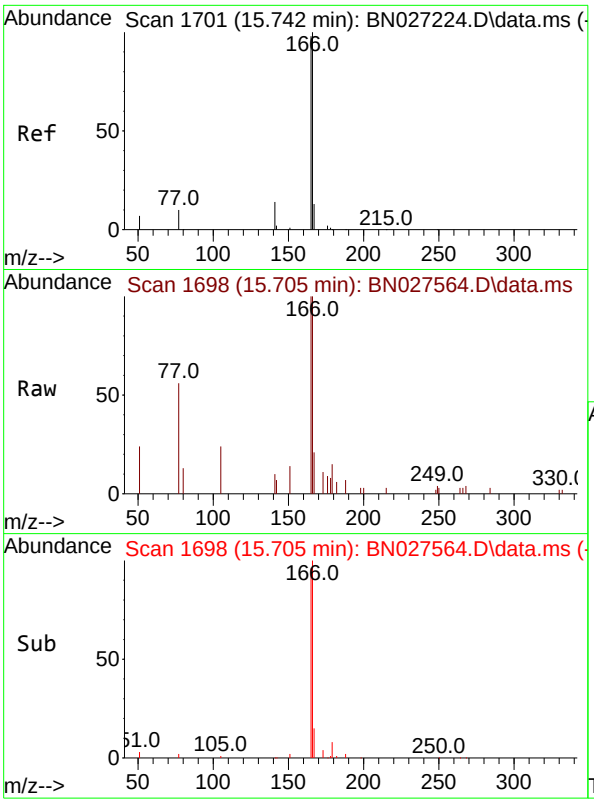


#17
Acenaphthene
Concen: 0.190 ng
RT: 14.726 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:154 Resp: 7360

Ion	Ratio	Lower	Upper
154	100		
153	117.7	93.1	139.7
152	61.2	48.6	73.0



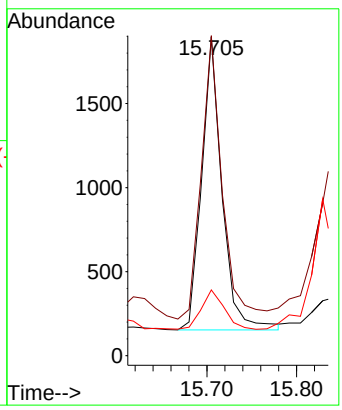


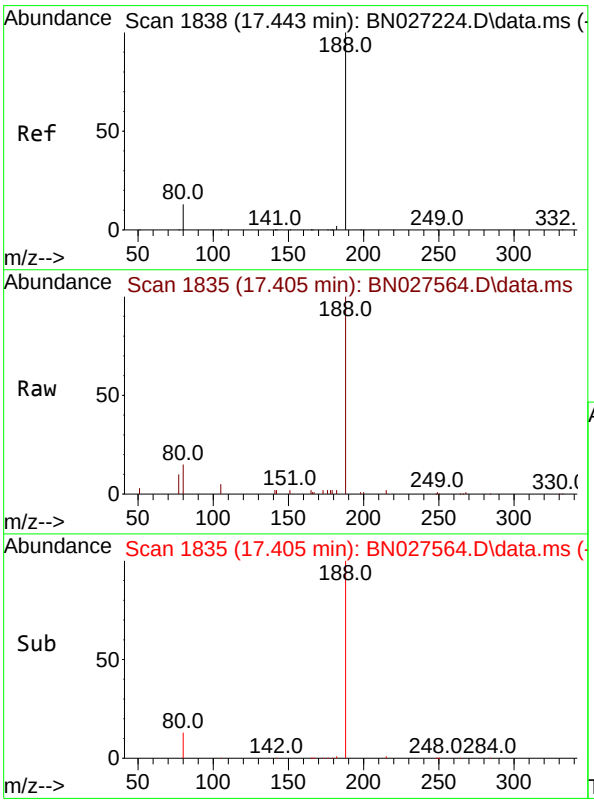
#18
Fluorene
Concen: 0.053 ng
RT: 15.705 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:166 Resp: 2743

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.0	118.4
167	15.0	10.8	16.2

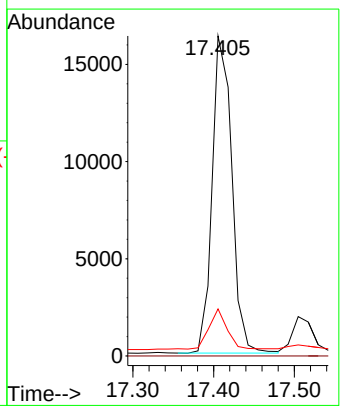


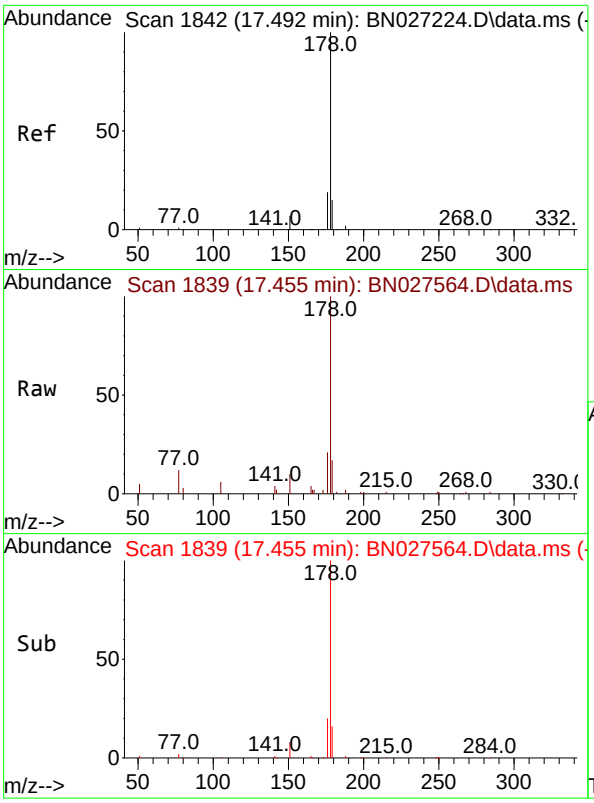


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.405 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:188 Resp: 27568

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.7	11.0	16.6



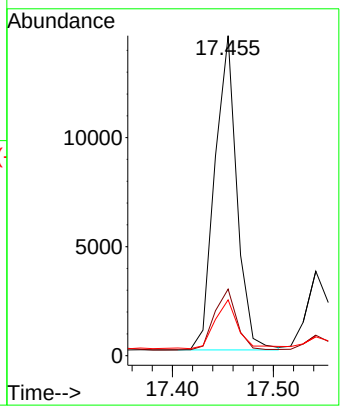


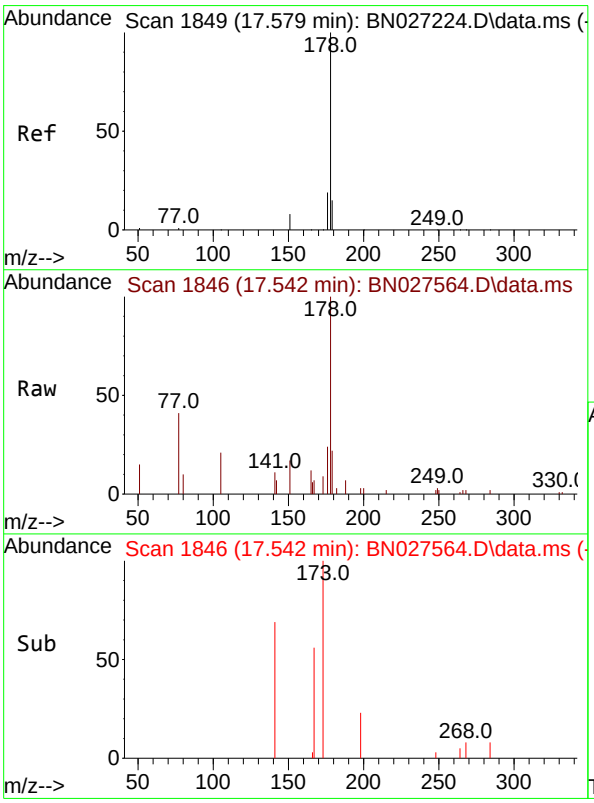
#25
Phenanthrene
Concen: 0.271 ng
RT: 17.455 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:178 Resp: 21946

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.9	12.3	18.5

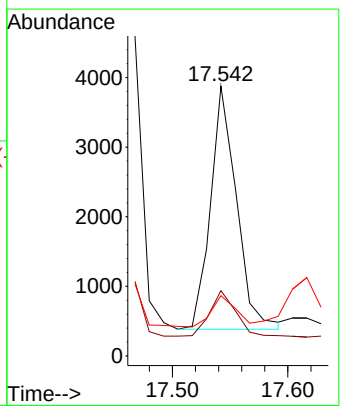


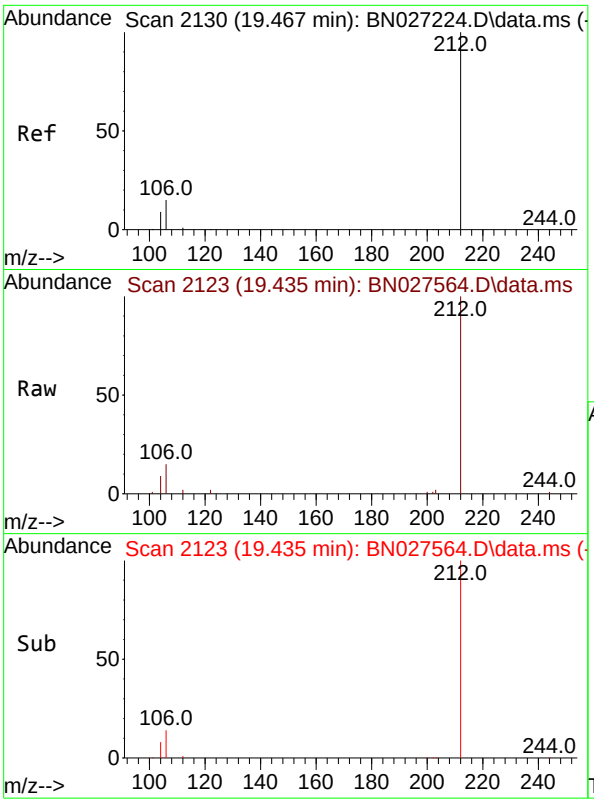


#26
Anthracene
Concen: 0.080 ng
RT: 17.542 min Scan# 1846
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:178 Resp: 5474

Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.9	22.3
179	11.7	12.0	18.0#



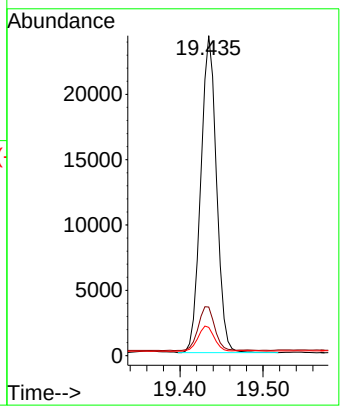


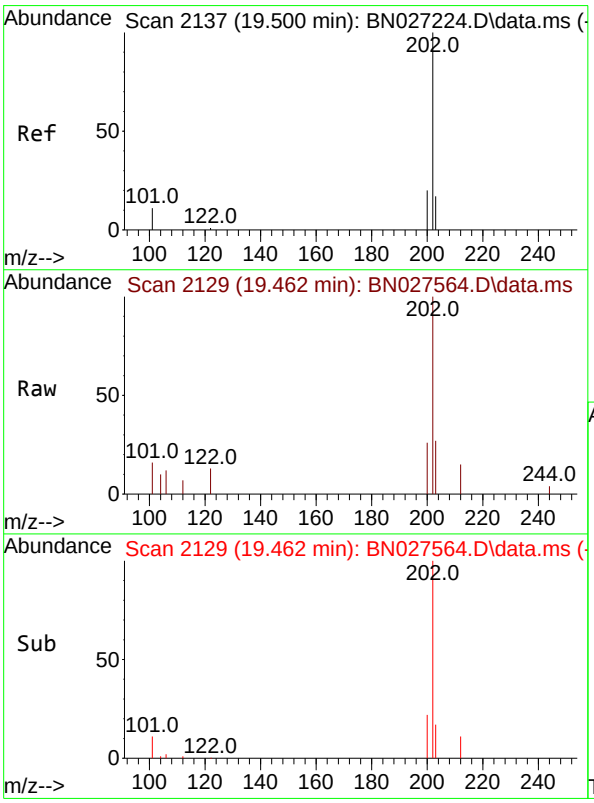
#27
Fluoranthene-d10
Concen: 0.467 ng
RT: 19.435 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:212 Resp: 32028

Ion	Ratio	Lower	Upper
212	100		
106	14.4	12.1	18.1
104	8.2	6.9	10.3

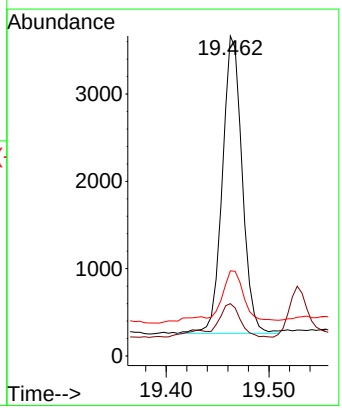


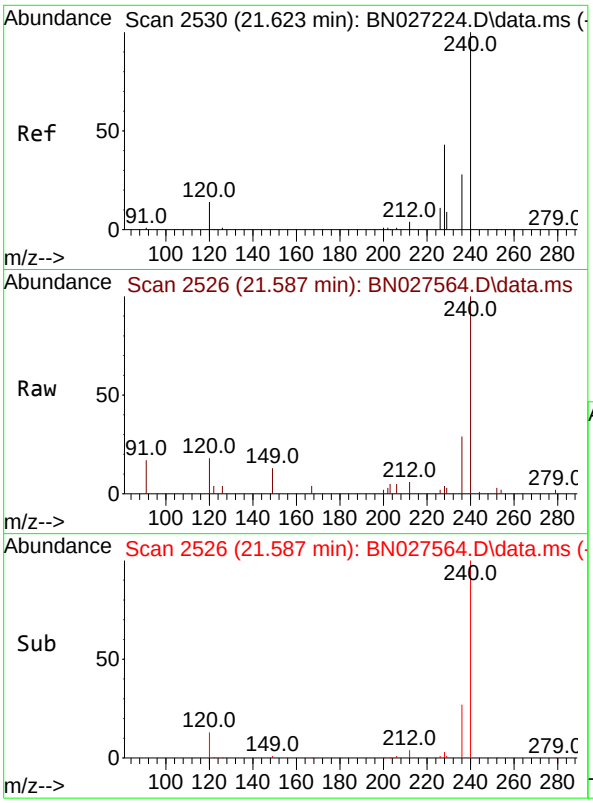


#28
Fluoranthene
Concen: 0.048 ng
RT: 19.462 min Scan# 2129
Delta R.T. -0.005 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:202 Resp: 4558

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.6	14.4
203	22.6	13.6	20.4#



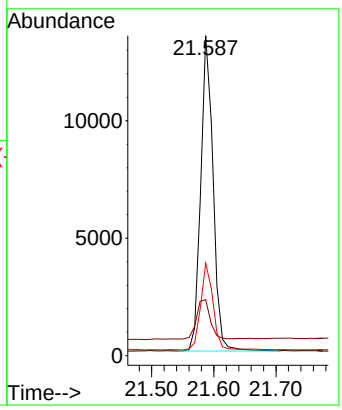


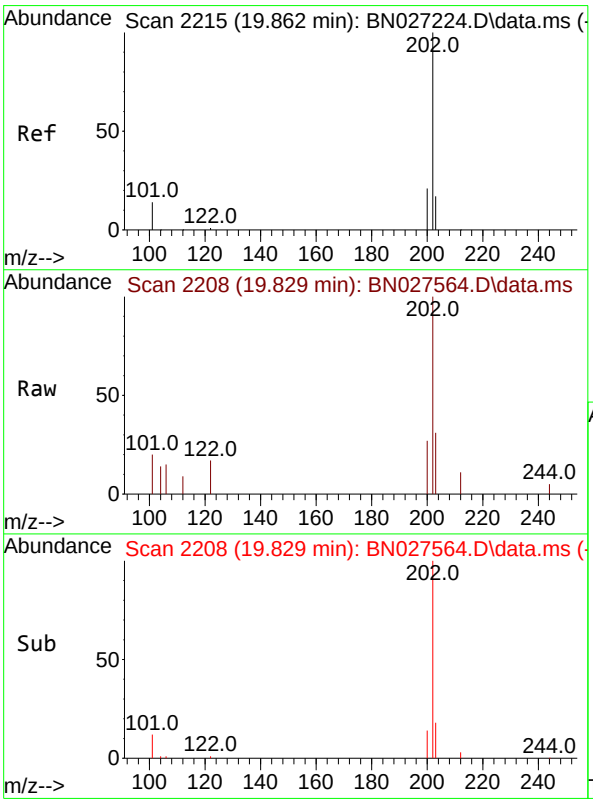
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.587 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:240 Resp: 18468

Ion	Ratio	Lower	Upper
240	100		
120	17.5	14.2	21.4
236	28.9	22.9	34.3

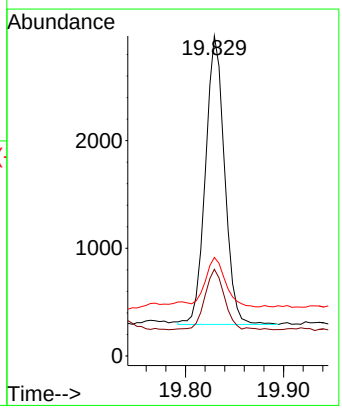


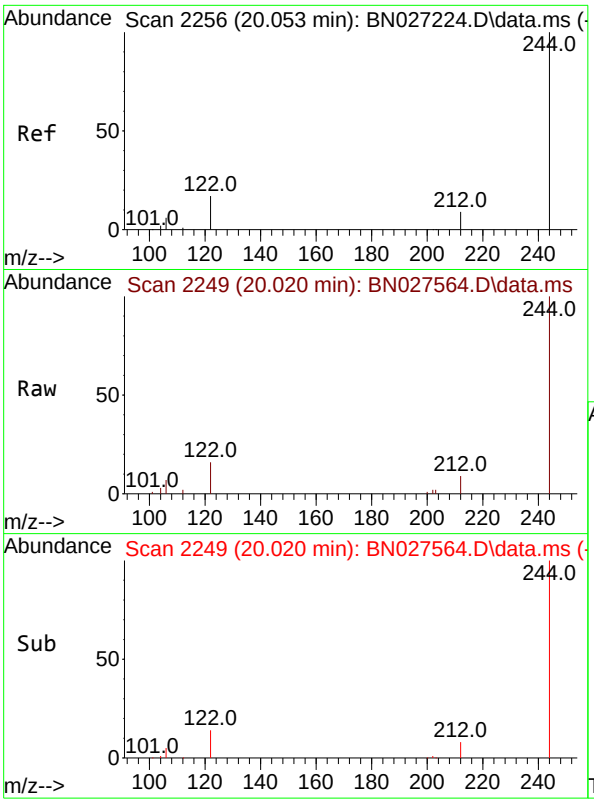


#30
Pyrene
Concen: 0.049 ng
RT: 19.829 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:202 Resp: 3620

Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.6	25.0
203	18.5	14.2	21.4



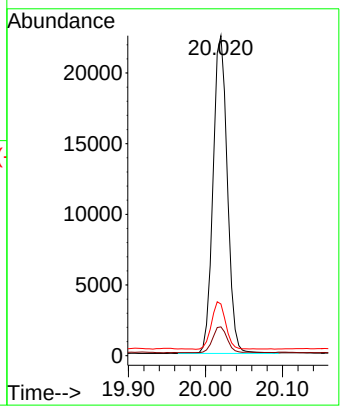


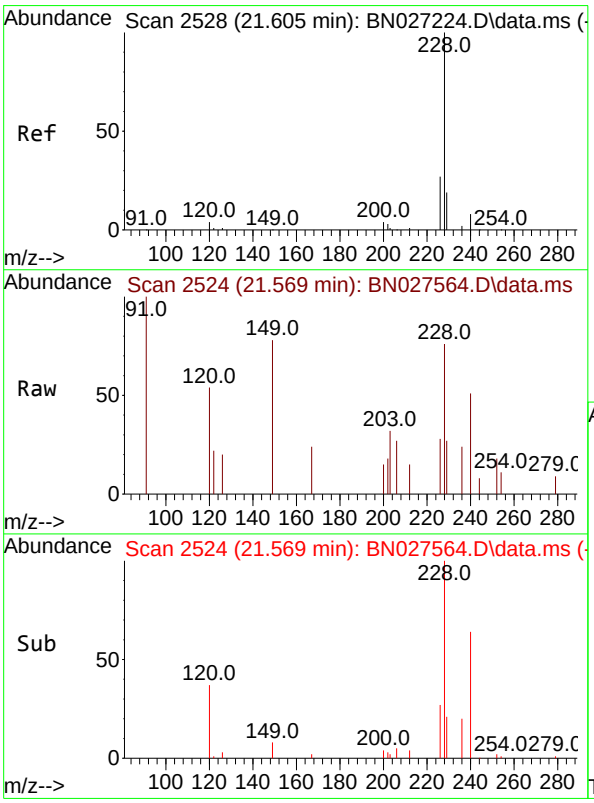
#31
Terphenyl-d14
Concen: 0.778 ng
RT: 20.020 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:244 Resp: 28877

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.5	11.3
122	16.2	14.0	21.0

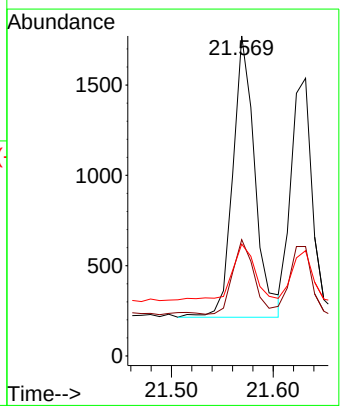


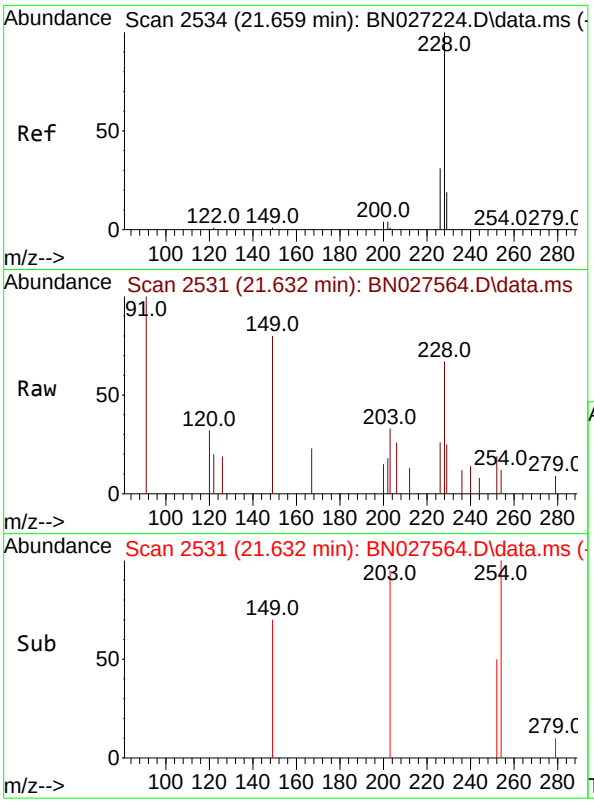


#32
Benzo(a)anthracene
Concen: 0.037 ng
RT: 21.569 min Scan# 2524
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:228 Resp: 2349

Ion	Ratio	Lower	Upper
228	100		
226	36.3	21.9	32.9#
229	34.9	15.7	23.5#



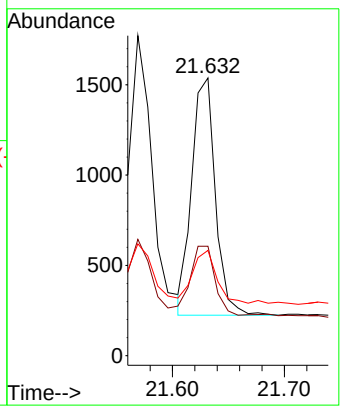


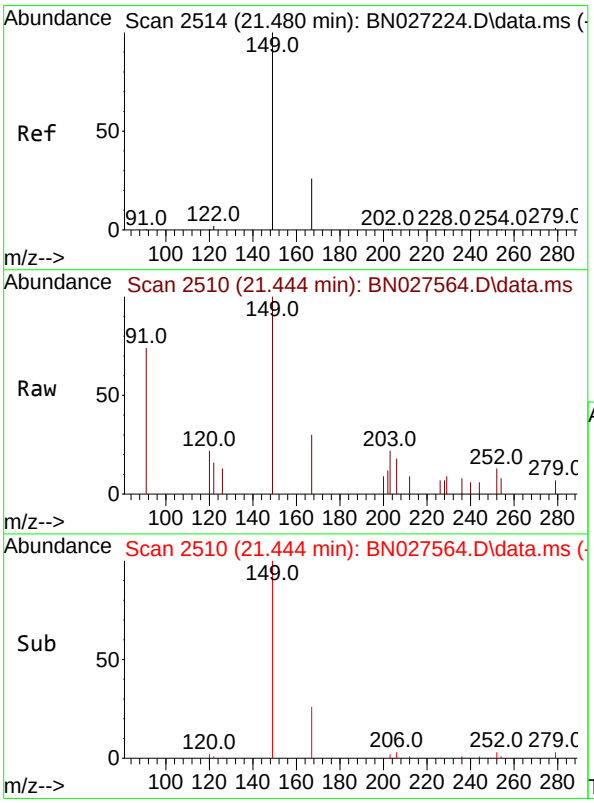
#33
Chrysene
Concen: 0.028 ng
RT: 21.632 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:228 Resp: 1931

Ion	Ratio	Lower	Upper
228	100		
226	39.4	24.3	36.5#
229	37.9	15.4	23.2#

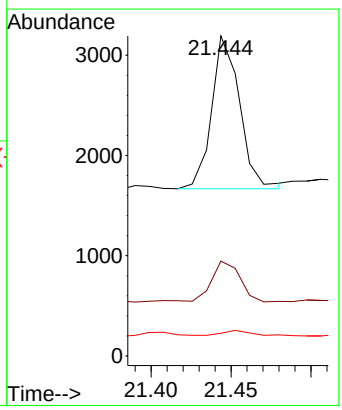


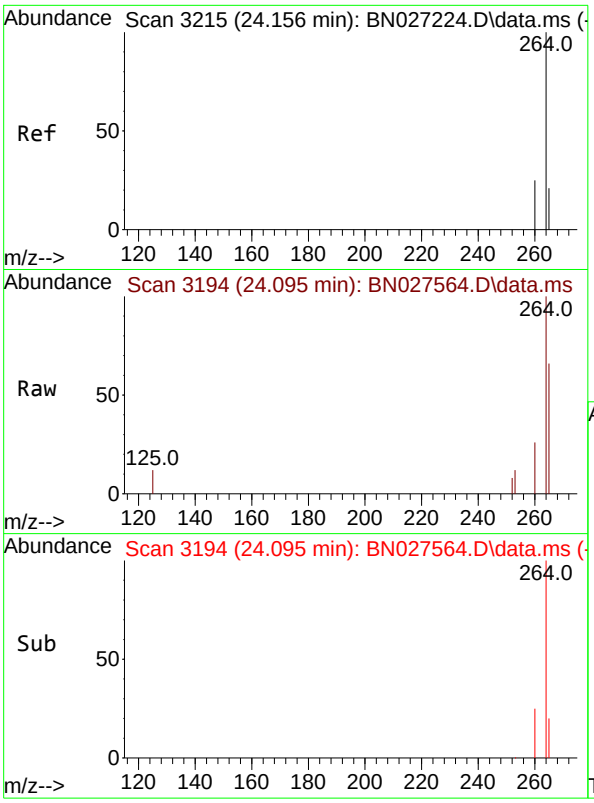


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.061 ng
RT: 21.444 min Scan# 2510
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:149 Resp: 1858

Ion	Ratio	Lower	Upper
149	100		
167	32.3	22.1	33.1
279	4.4	2.7	4.1#



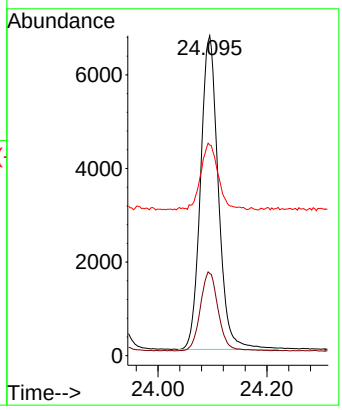


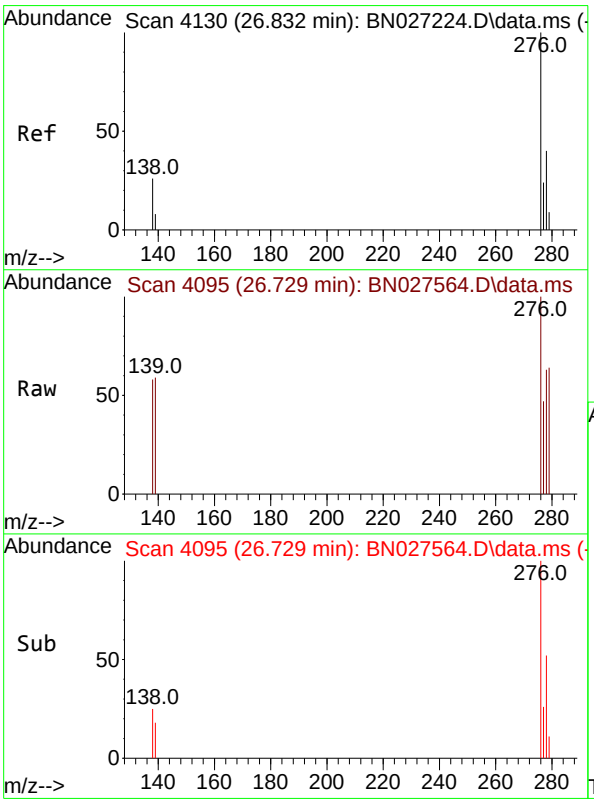
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.095 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:264 Resp: 15211

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.7	31.1
265	65.9	53.3	79.9

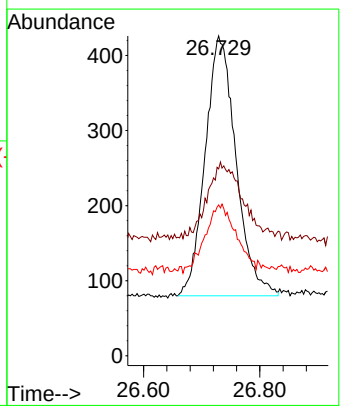


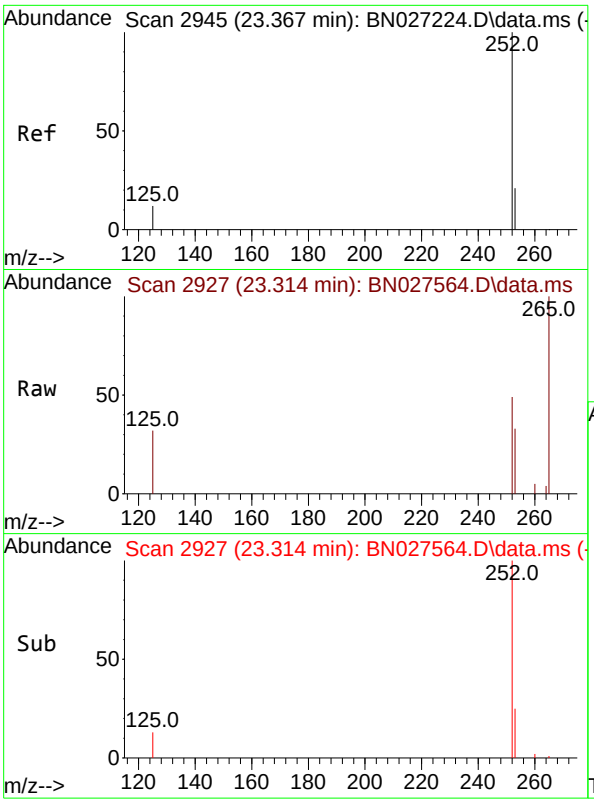


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.021 ng
RT: 26.729 min Scan# 4095
Delta R.T. -0.006 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:276 Resp: 1274

Ion	Ratio	Lower	Upper
276	100		
138	28.7	23.4	35.2
277	26.9	19.8	29.8



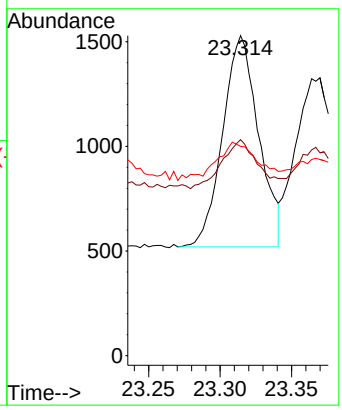


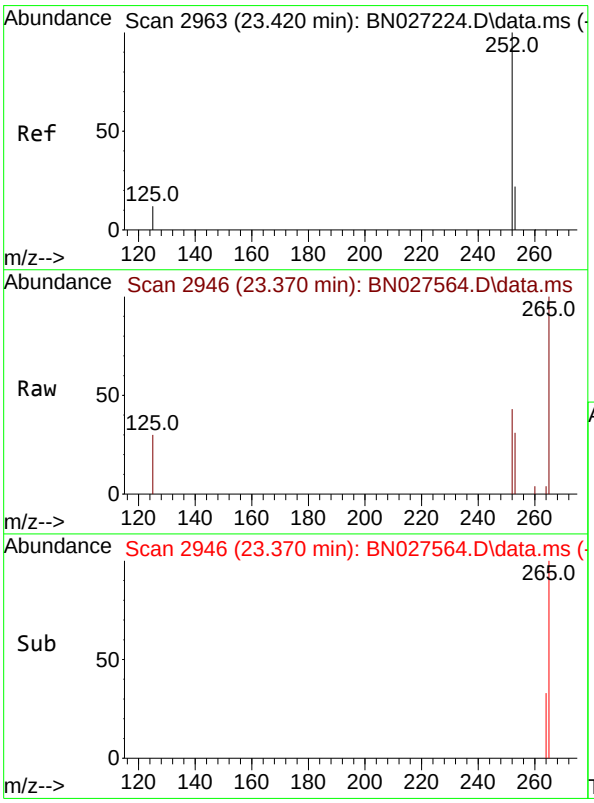
#37
Benzo(b)fluoranthene
Concen: 0.030 ng
RT: 23.314 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:252 Resp: 1768

Ion	Ratio	Lower	Upper
252	100		
253	67.5	19.9	29.9#
125	65.4	13.8	20.6#





#38
Benzo(k)fluoranthene
Concen: 0.026 ng
RT: 23.370 min Scan# 2946
Delta R.T. 0.006 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:252 Resp: 1592

Ion	Ratio	Lower	Upper
252	100		
253	73.0	20.2	30.2#
125	70.6	14.1	21.1#