Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139855.D
Acq On : 18 Oct 2024 15:50
Operator : RC/JU
Sample : P4431-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 18 16:16:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
72-11934

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	149416	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	526839	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	231462	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	340877	20.000	ng	0.00
76) Chrysene-d12	14.051	240	332383	20.000	ng	0.00
86) Perylene-d12	15.527	264	249176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1044683	109.455	ng	0.00
7) Phenol-d6	6.504	99	1276180	103.238	ng	0.00
23) Nitrobenzene-d5	7.445	82	786909	82.783	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	200443	92.582	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1226035	87.542	ng	0.00
79) Terphenyl-d14	12.998	244	1164577	57.092	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.210	266	24014	10.019	ng	98
71) Phenanthrene	11.433	178	363265	22.561	ng	99
72) Anthracene	11.486	178	63567	4.046	ng	99
73) Carbazole	11.633	167	32593	2.231	ng	97
75) Fluoranthene	12.622	202	836734	51.405	ng	99
78) Pyrene	12.851	202	805661	27.691	ng	98
81) Benzo(a)anthracene	14.039	228	465367	21.508	ng	94
83) Chrysene	14.074	228	430408	21.696	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	55926	5.715	ng	99
87) Indeno(1,2,3-cd)pyrene	17.010	276	163152	10.178	ng	95
88) Benzo(b)fluoranthene	15.092	252	447170m	29.460	ng	
89) Benzo(k)fluoranthene	15.110	252	157842m	12.058	ng	
90) Benzo(a)pyrene	15.463	252	277809	22.243	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	37569m	2.809	ng	
92) Benzo(g,h,i)perylene	17.462	276	169517	12.691	ng	99

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

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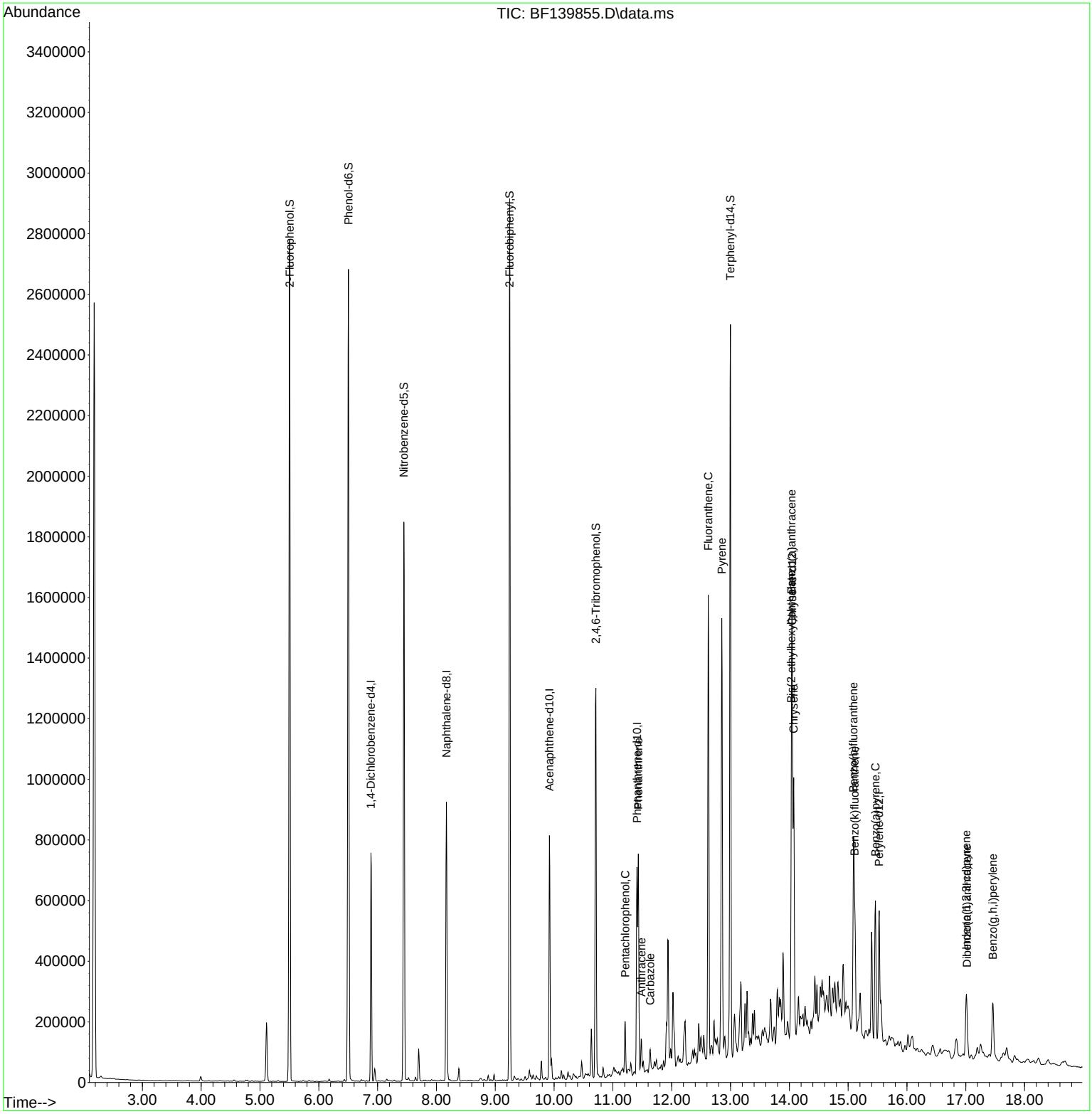
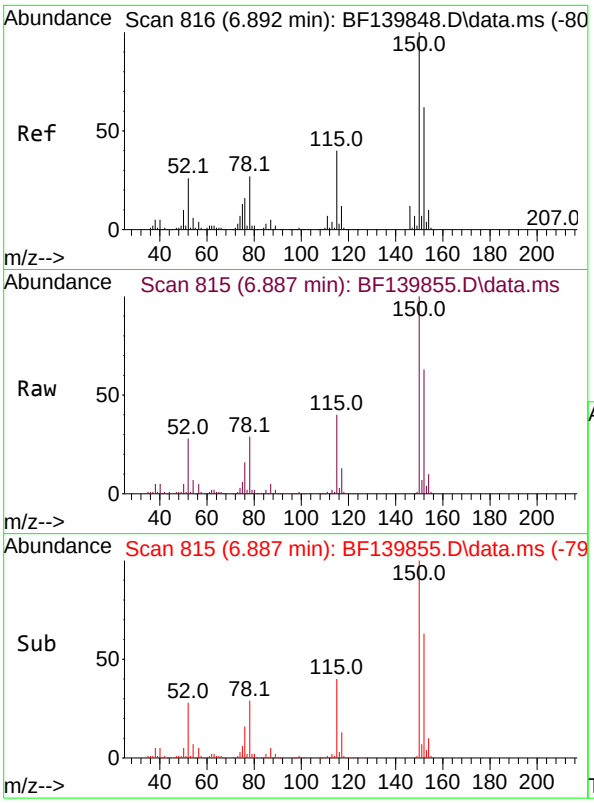
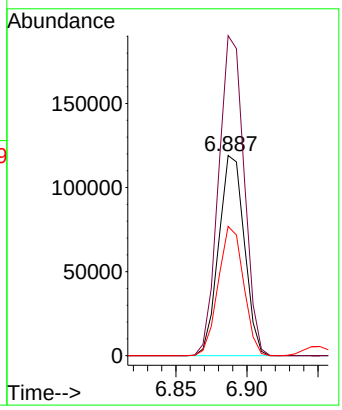




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:152 Resp: 14941

Ion	Ratio	Lower	Upper
152	100		
150	159.8	130.2	195.2
115	64.6	51.4	77.2



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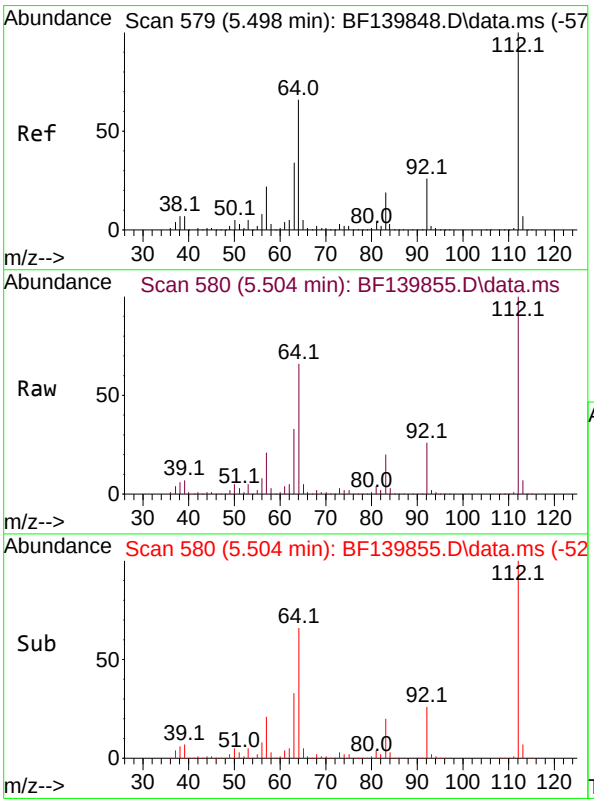
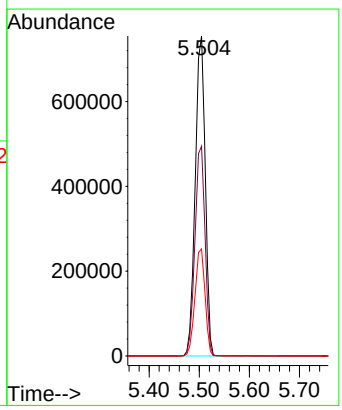
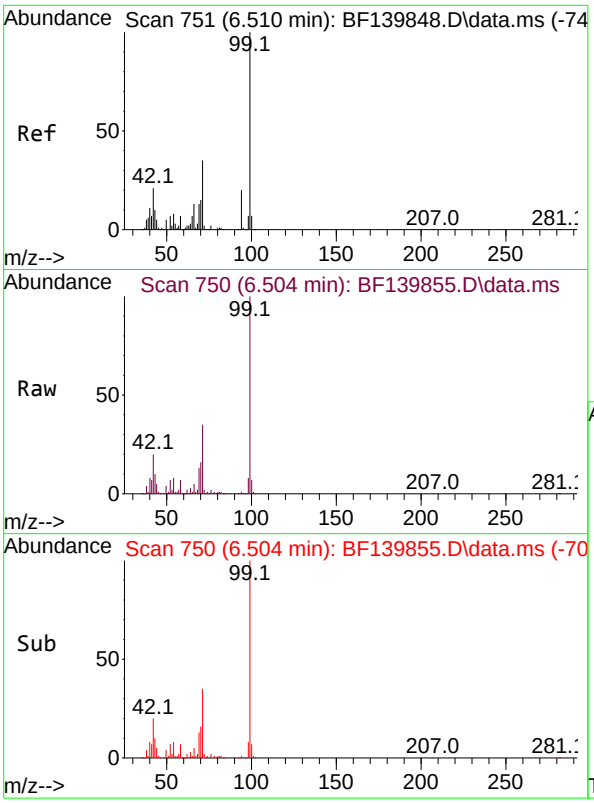


#5
2-Fluorophenol
Concen: 109.455 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:112 Resp: 1044683

Ion	Ratio	Lower	Upper
112	100		
64	65.5	53.0	79.6
63	33.4	27.0	40.4

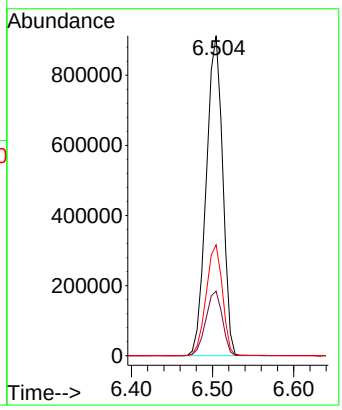




#7
Phenol-d6
Concen: 103.238 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion: 99 Resp: 127618

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.7	25.1
71	34.6	27.7	41.5



Instrument :
BNA_F
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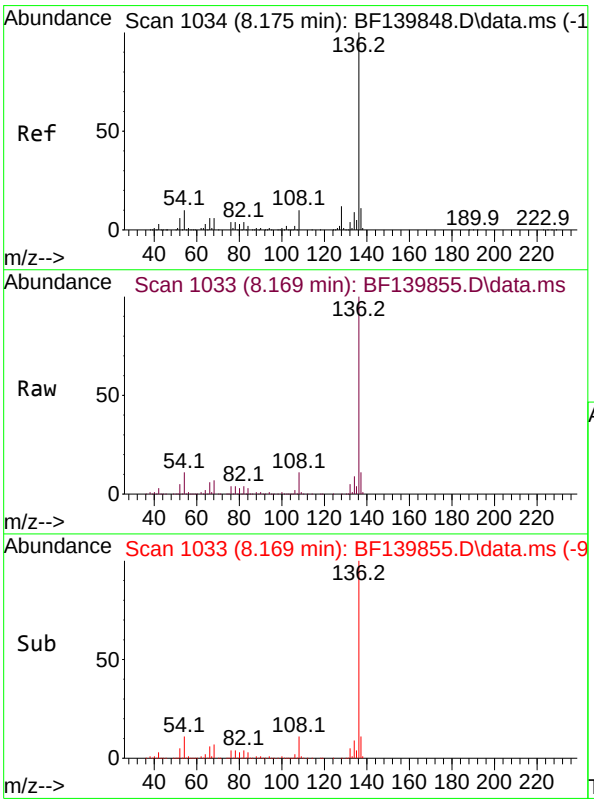
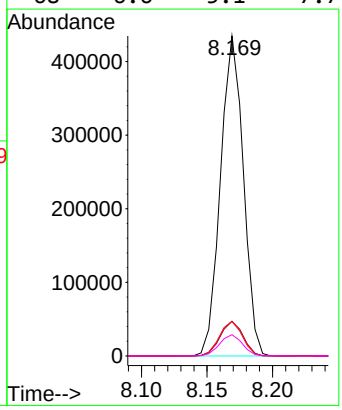
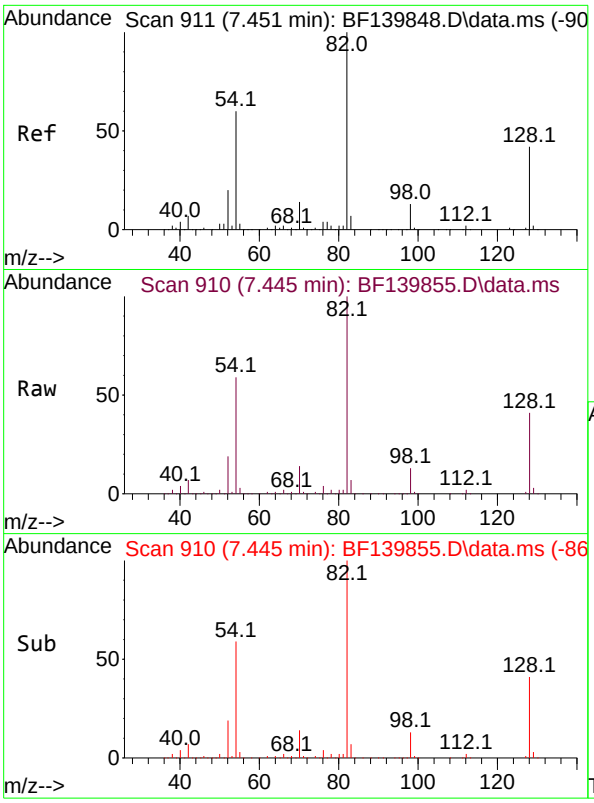


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:136 Resp: 526839

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.8	8.4	12.6
68	6.6	5.1	7.7





#23
Nitrobenzene-d5
Concen: 82.783 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion: 82 Resp: 78690

Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.4	50.0
54	59.2	47.8	71.8

Instrument :
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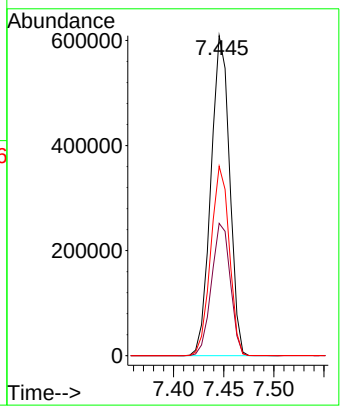
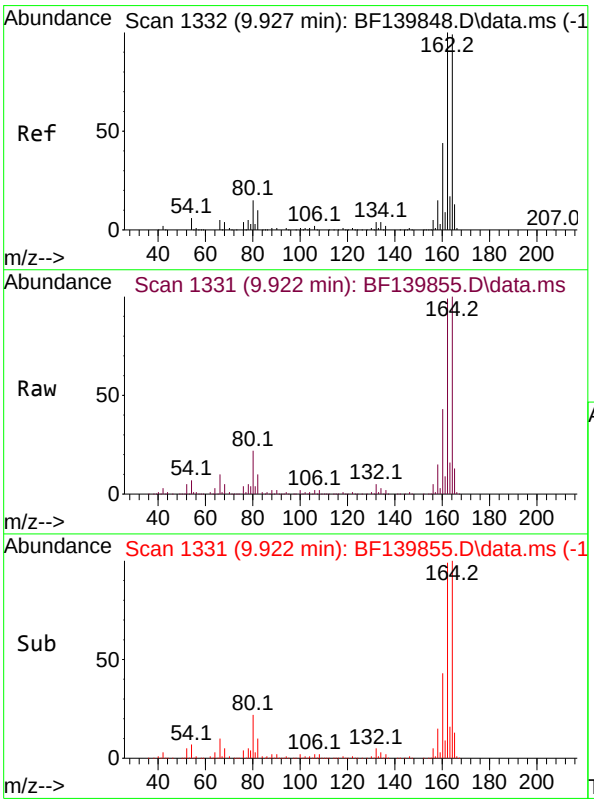
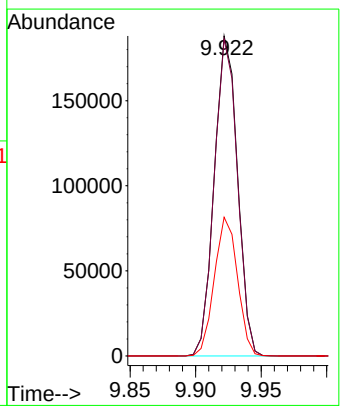


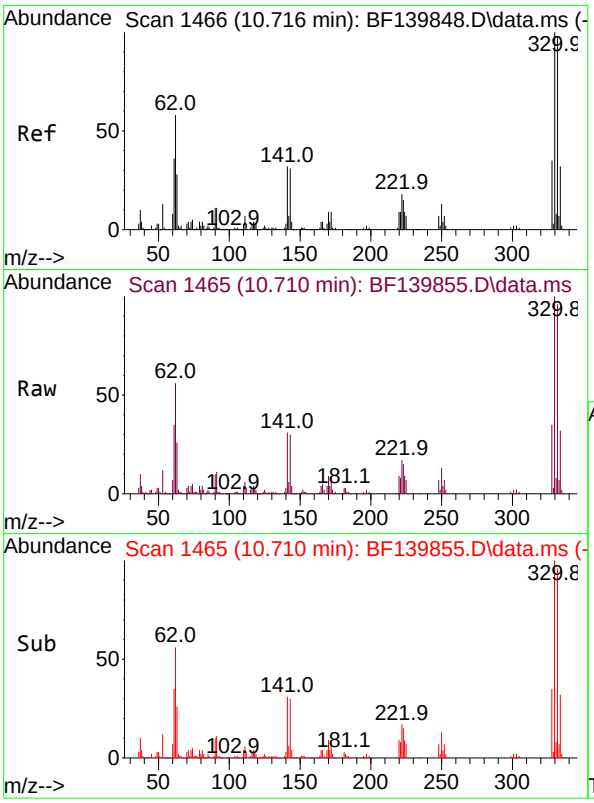


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:164 Resp: 231462

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.0	121.4
160	43.4	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 92.582 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:330 Resp: 20044

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.1	117.1
141	33.0	26.6	39.8

Instrument :
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ClientSampleId :
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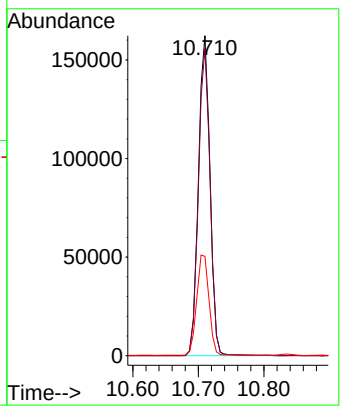
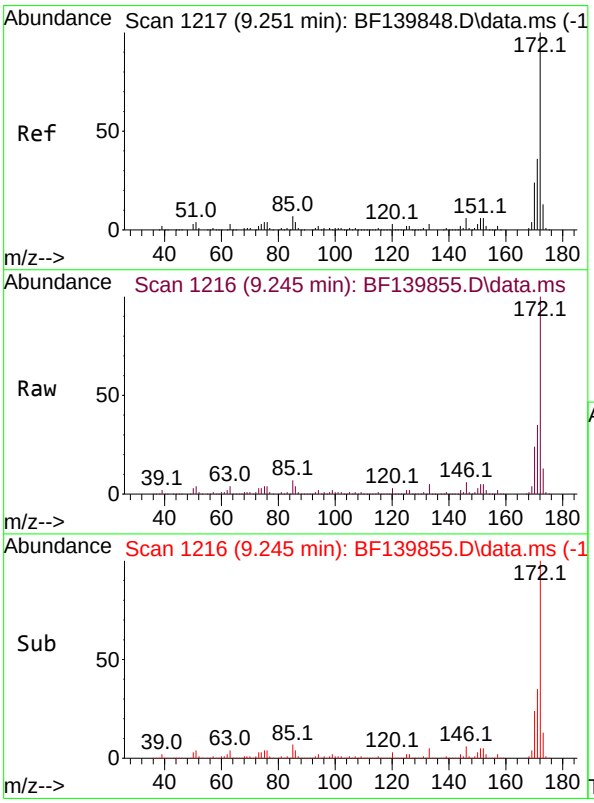
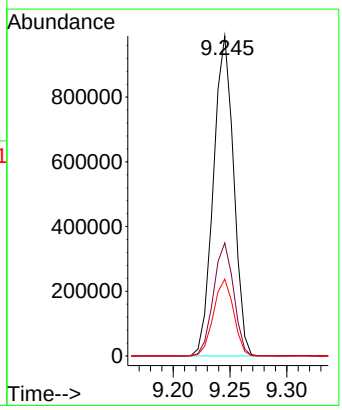


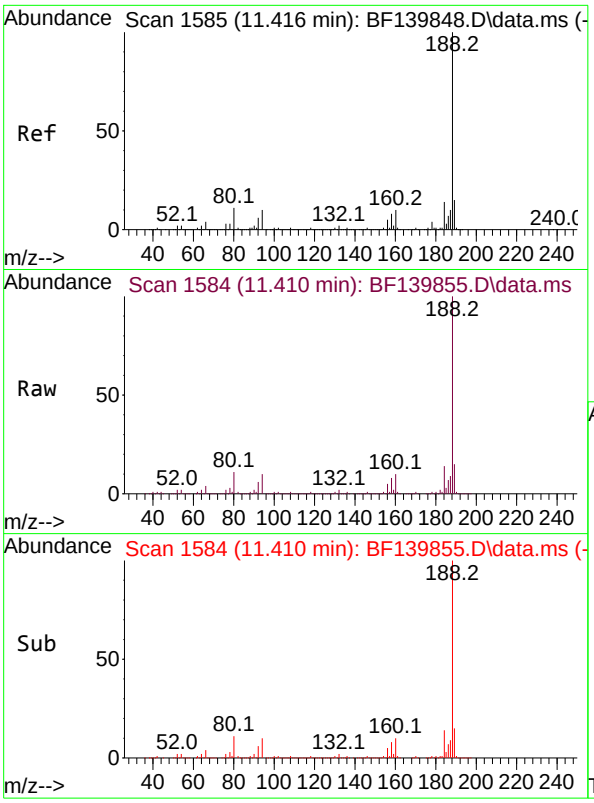


#45
2-Fluorobiphenyl
Concen: 87.542 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:172 Resp: 1226035

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	24.0	19.1	28.7

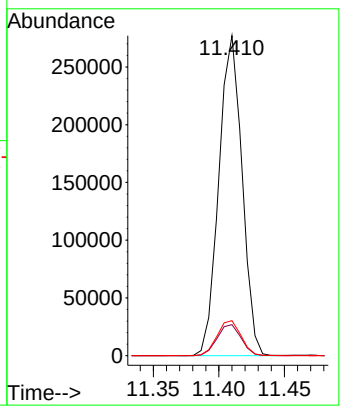




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:188 Resp: 34087

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.9	11.9
80	10.9	9.0	13.4



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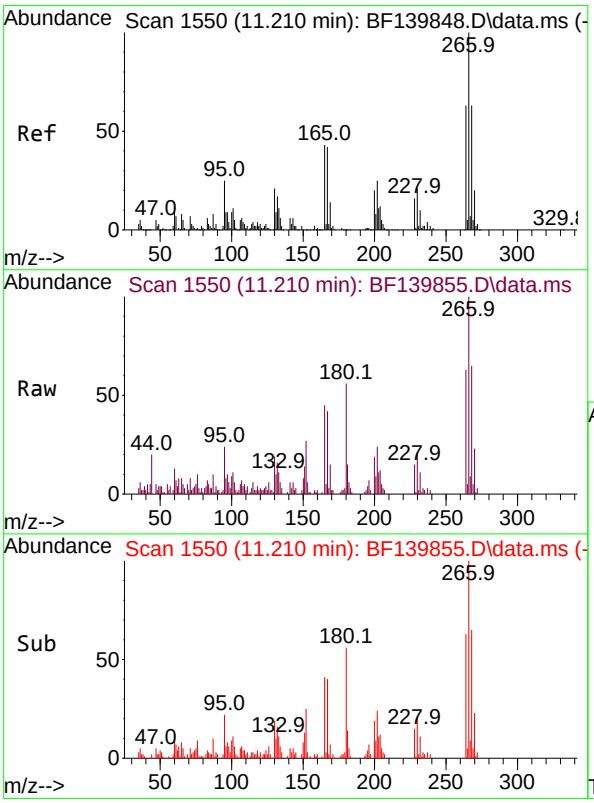
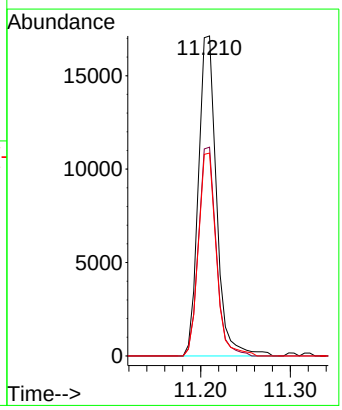
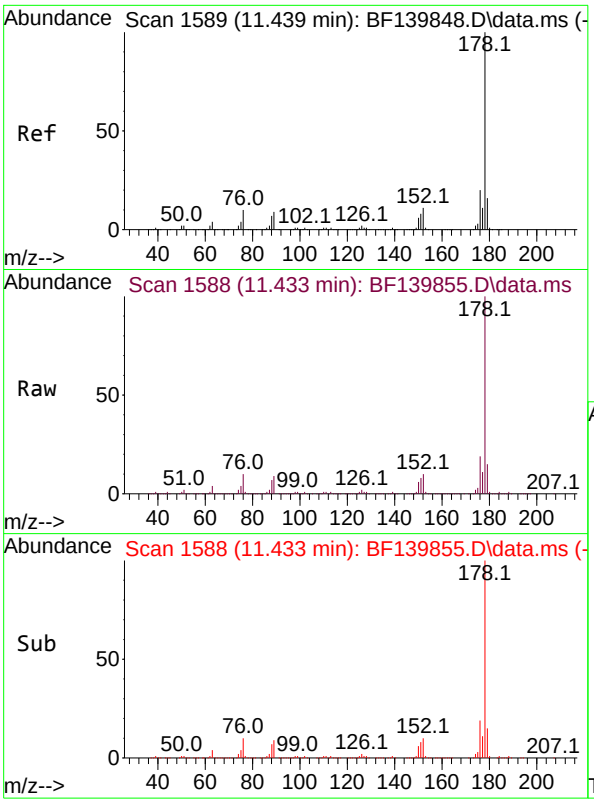


#70
Pentachlorophenol
Concen: 10.019 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:266 Resp: 24014

Ion	Ratio	Lower	Upper
266	100		
268	65.3	50.4	75.6
264	63.4	50.6	75.8

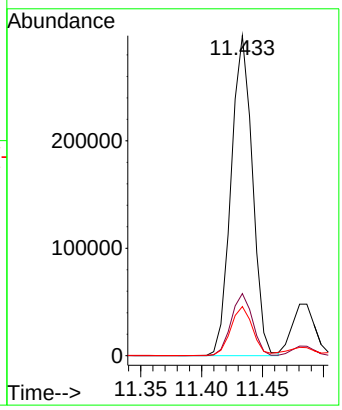




#71
Phenanthrene
Concen: 22.561 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:178 Resp: 36326

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.4	12.6	18.8



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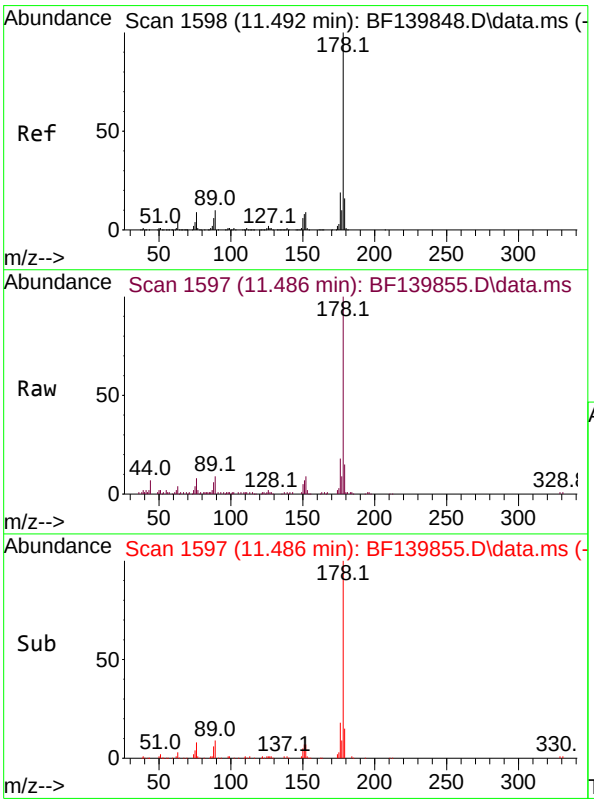
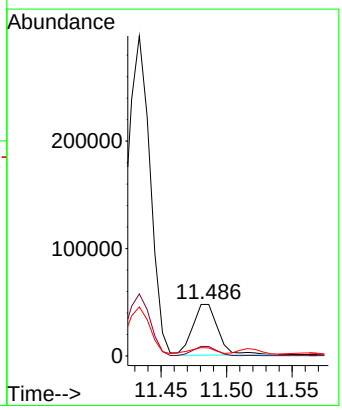
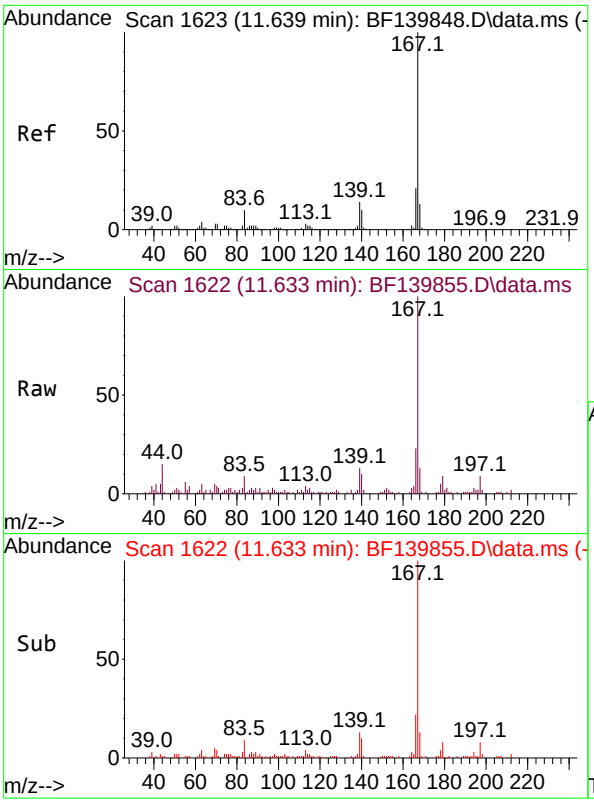


#72
Anthracene
Concen: 4.046 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:178 Resp: 63567

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.3	22.9
179	15.5	12.4	18.6

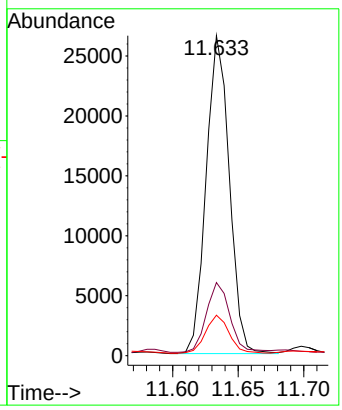




#73
Carbazole
Concen: 2.231 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:167 Resp: 3259

Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.0	25.6
139	12.7	10.8	16.2



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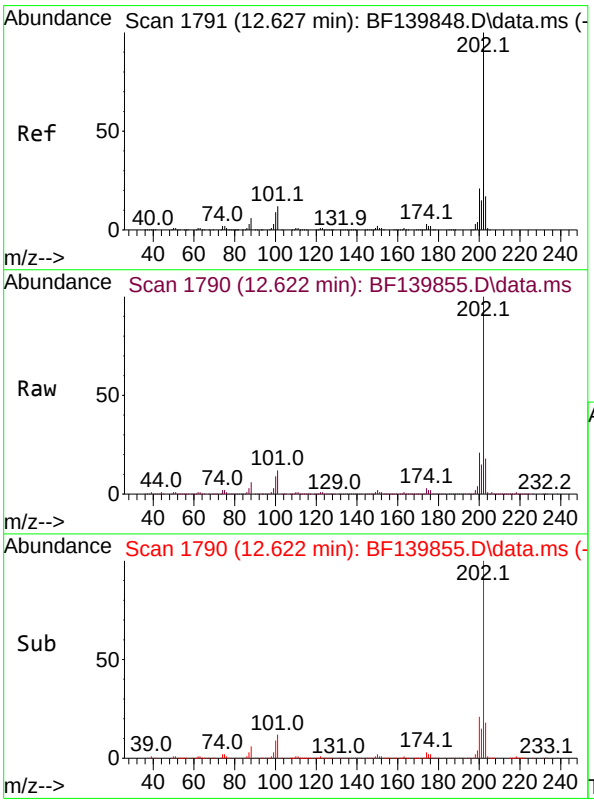
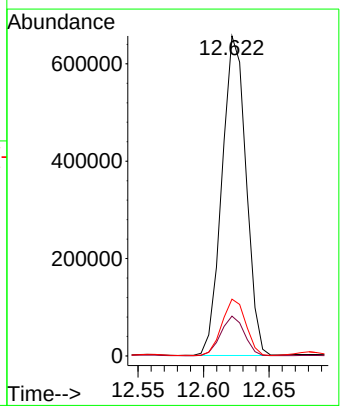
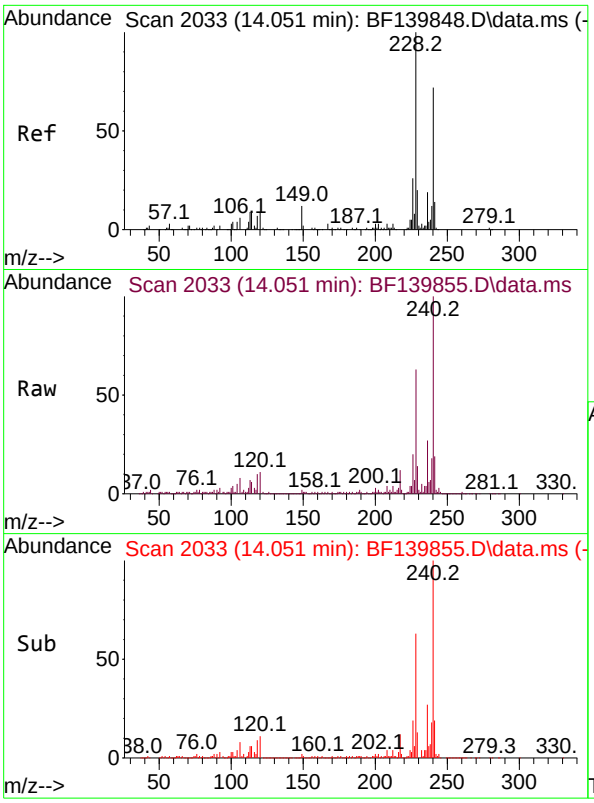


#75
Fluoranthene
Concen: 51.405 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:202 Resp: 836734

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.9
203	17.8	0.0	37.5

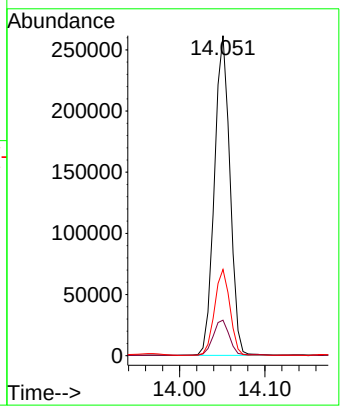




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:240 Resp: 33238

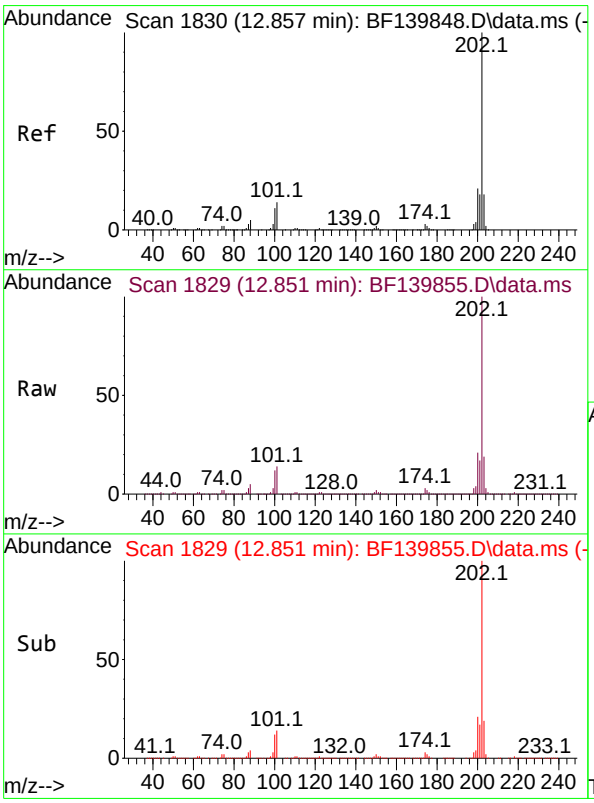
Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.4	14.2
236	26.9	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
72-11934

Manual Integrations
APPROVED

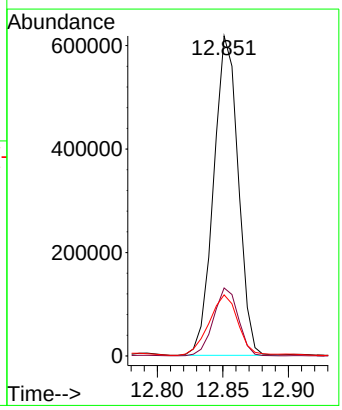
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

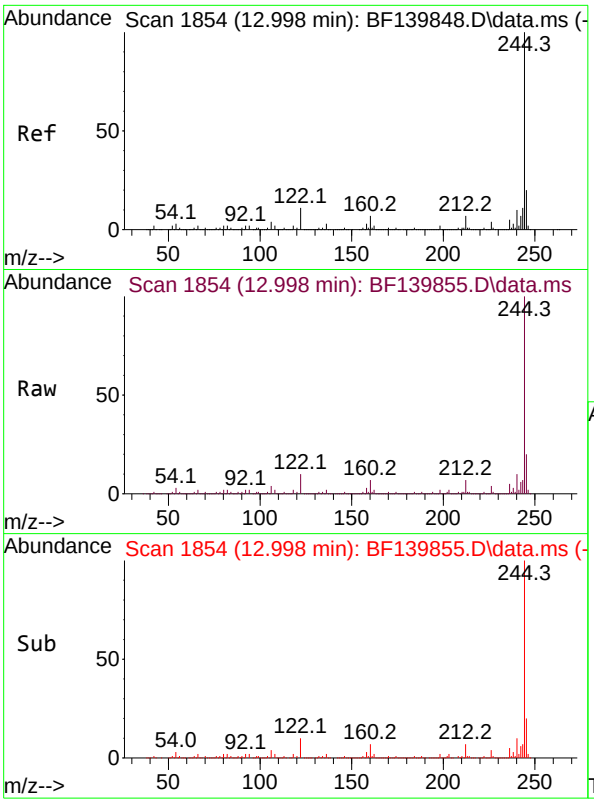


#78
Pyrene
Concen: 27.691 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:202 Resp: 805661

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	19.1	14.2	21.4

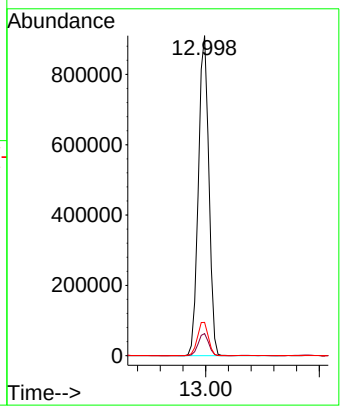




#79
Terphenyl-d14
Concen: 57.092 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:244 Resp: 116457

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.4	8.6	13.0



Instrument :
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ClientSampleId :
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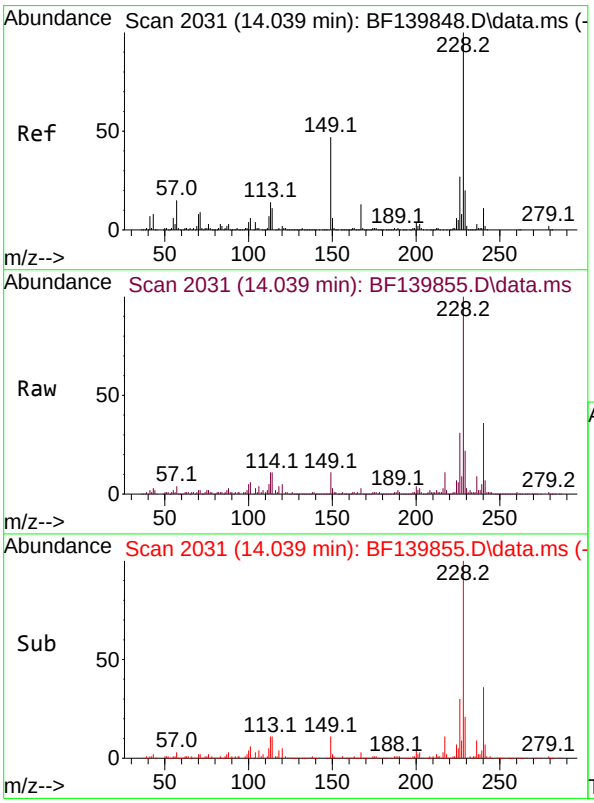
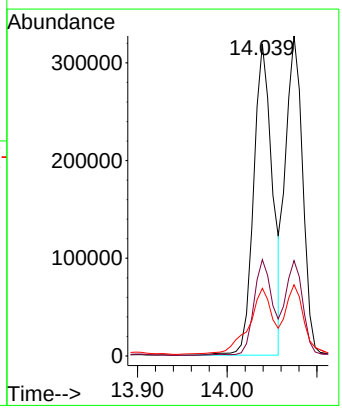
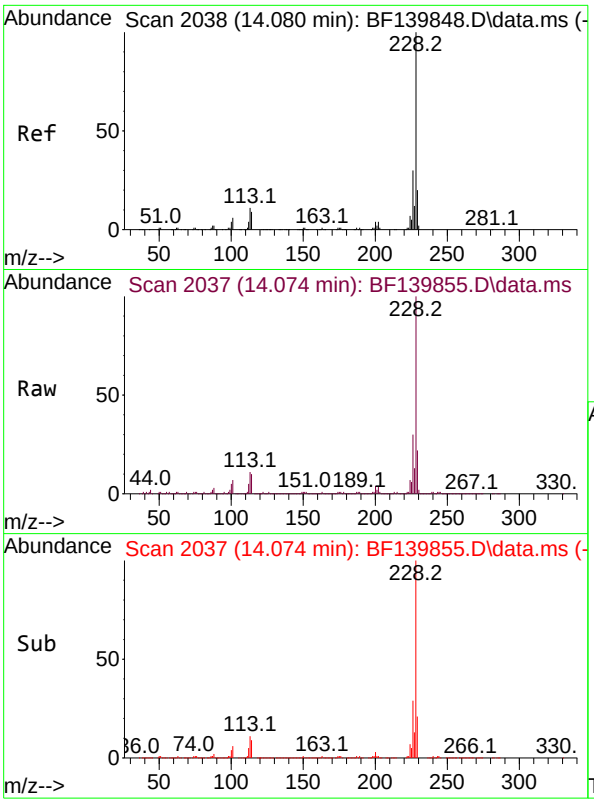


#81
Benzo(a)anthracene
Concen: 21.508 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:228 Resp: 465367

Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.6	32.4
229	21.7	16.1	24.1





#83
Chrysene
Concen: 21.696 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:228 Resp: 43040

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	22.2	15.8	23.6

Instrument :
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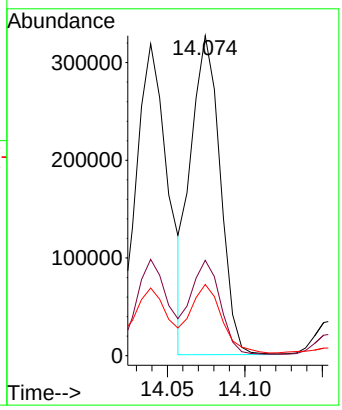
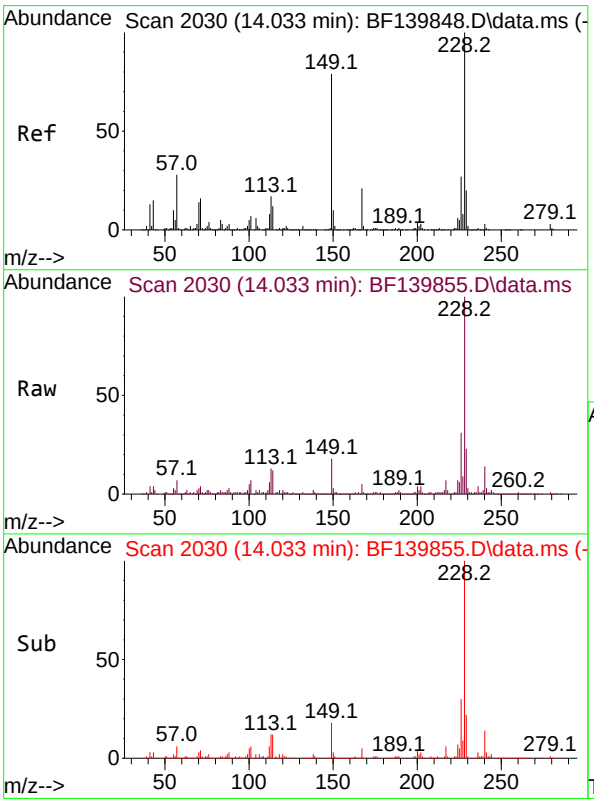
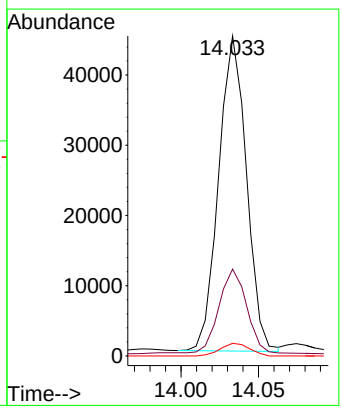


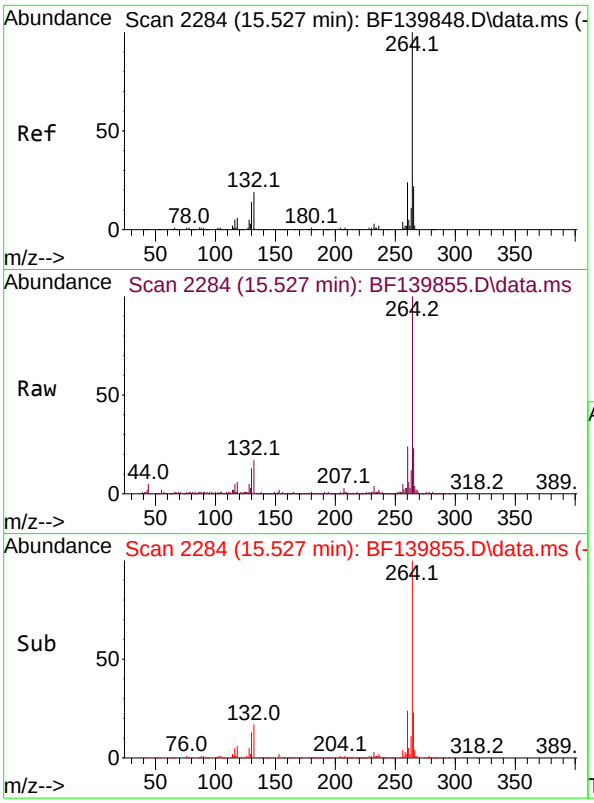


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.715 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:149 Resp: 55926

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.4	32.0
279	4.0	3.0	4.4

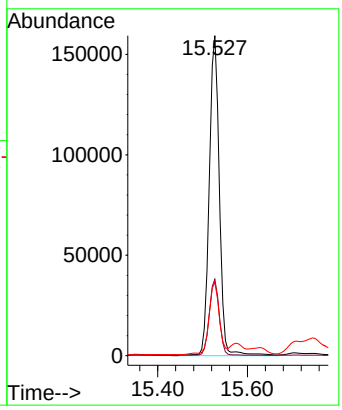




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:264 Resp: 24917

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	23.0	17.4	26.0



Instrument :
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ClientSampleId :
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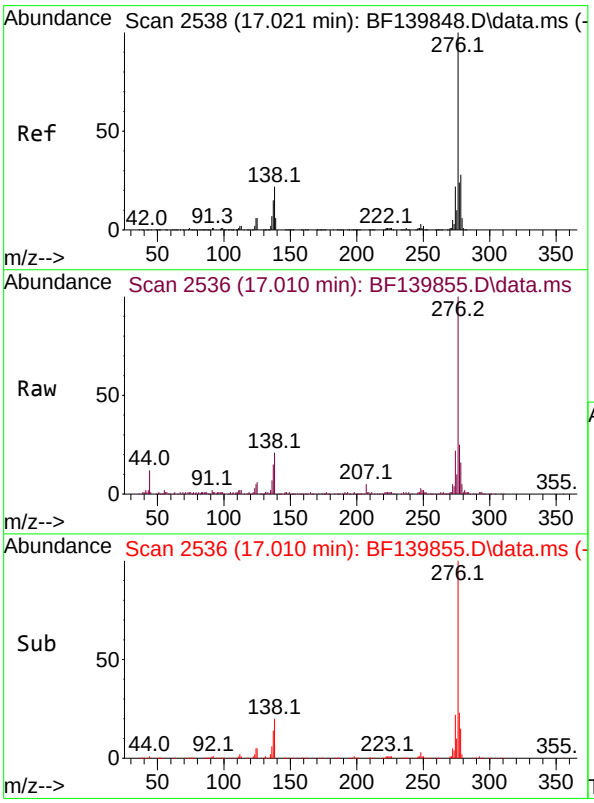
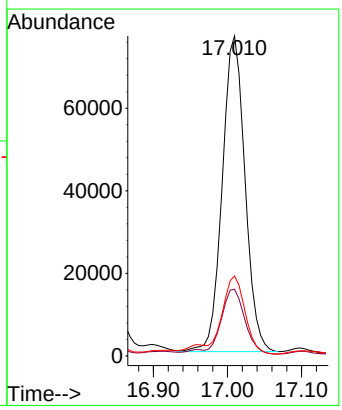
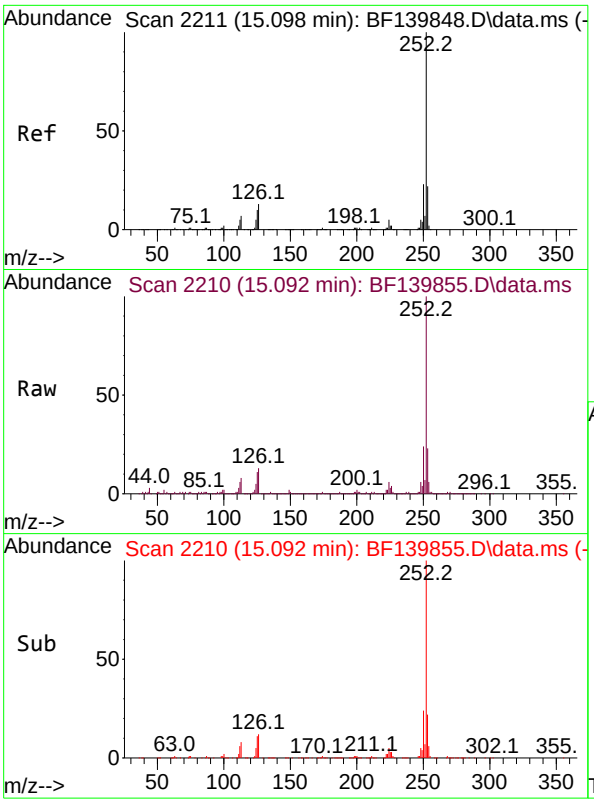


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.178 ng
RT: 17.010 min Scan# 2536
Delta R.T. -0.012 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:276 Resp: 163152

Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.4	30.6
277	27.0	20.2	30.4

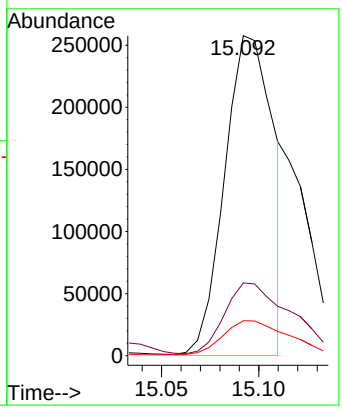




#88
Benzo(b)fluoranthene
Concen: 29.460 ng m
RT: 15.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:252 Resp: 44717

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	10.9	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
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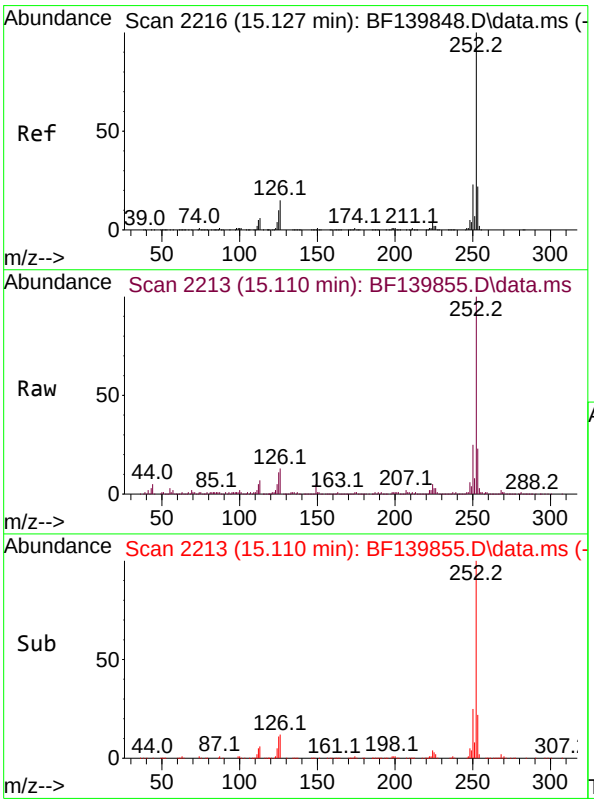
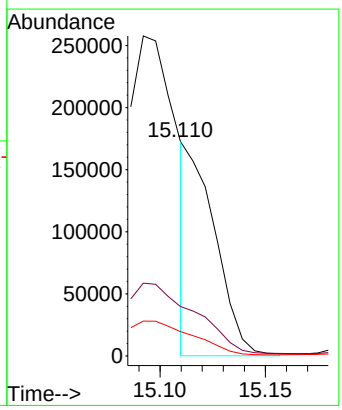
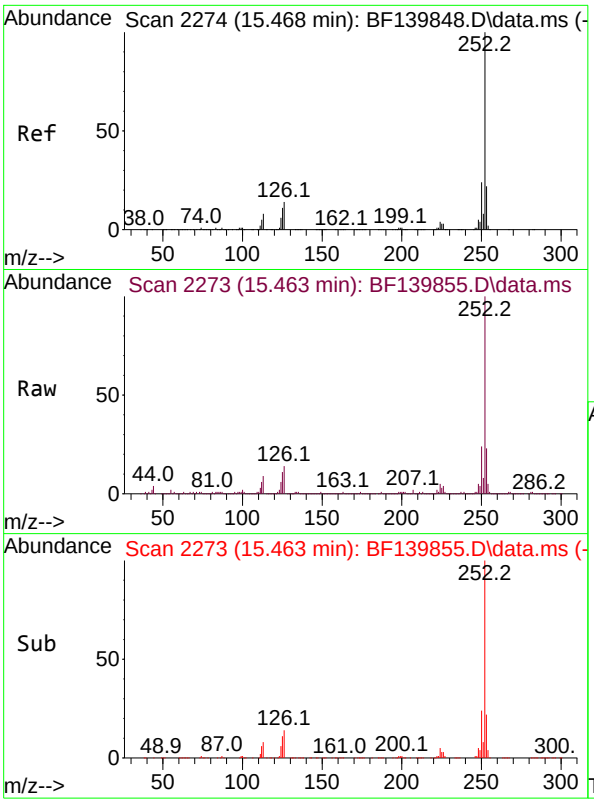


#89
Benzo(k)fluoranthene
Concen: 12.058 ng m
RT: 15.110 min Scan# 2213
Delta R.T. -0.017 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:252 Resp: 157842

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	11.3	7.9	11.9





#90
Benzo(a)pyrene
Concen: 22.243 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:252 Resp: 27780

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	11.1	8.7	13.1

Instrument :
BNA_F
ClientSampleId :
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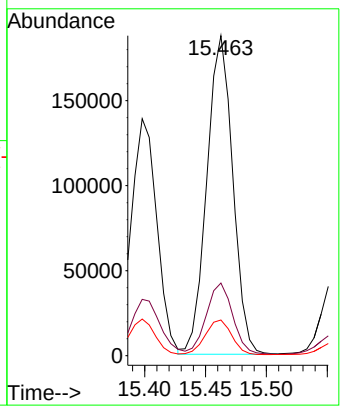
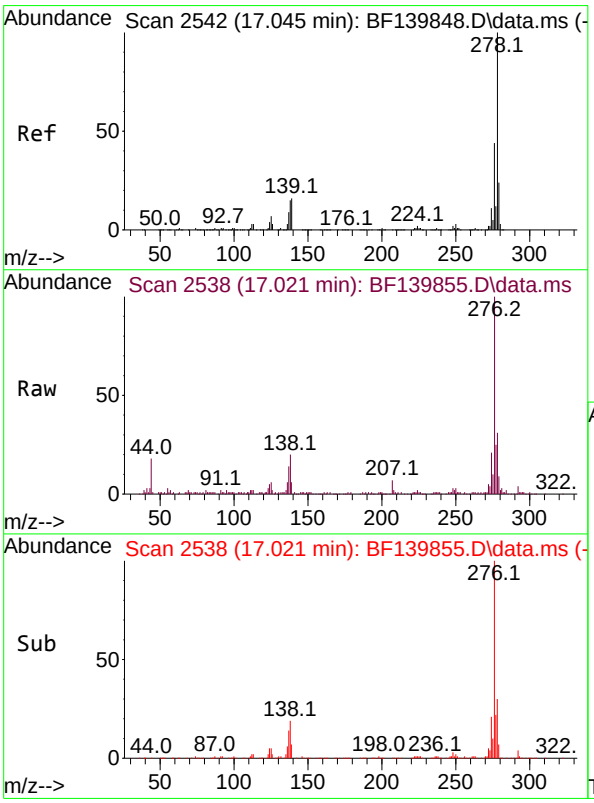
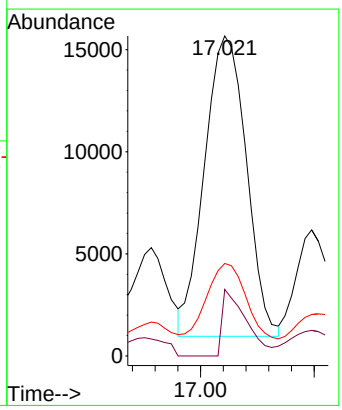


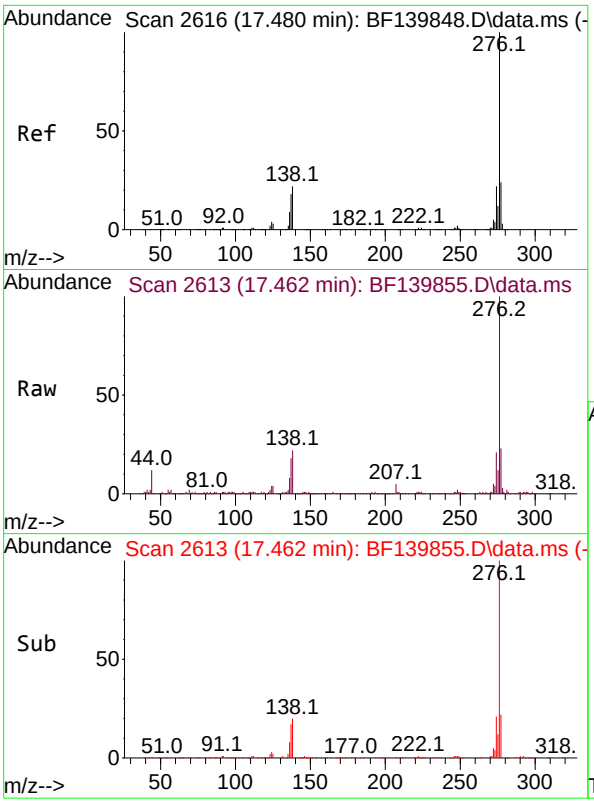


#91
Dibenzo(a,h)anthracene
Concen: 2.809 ng m
RT: 17.021 min Scan# 2538
Delta R.T. -0.023 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:278 Resp: 37569

Ion	Ratio	Lower	Upper
278	100		
139	20.8	13.1	19.7#
279	28.9	19.0	28.4#

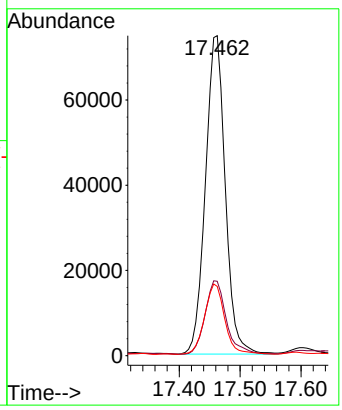




#92
Benzo(g,h,i)perylene
Concen: 12.691 ng
RT: 17.462 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:276 Resp: 16951

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.6
138	21.7	17.4	26.0



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