Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
Data File : BF139310.D
Acq On : 10 Sep 2024 20:29
Operator : RC/JU
Sample : P3907-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-54

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024

Quant Time: Sep 11 01:31:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 16:11:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	105160	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	386060	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	196955	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	290587	20.000	ng	0.00
76) Chrysene-d12	14.045	240	178515	20.000	ng	0.00
86) Perylene-d12	15.521	264	146194	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	108586	17.274	ng	-0.01
7) Phenol-d6	6.504	99	151117	18.007	ng	-0.01
23) Nitrobenzene-d5	7.445	82	95494	12.868	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	28534	16.777	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	186807	14.641	ng	-0.01
79) Terphenyl-d14	12.992	244	128646	11.635	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	222321	16.377	ng	100
72) Anthracene	11.480	178	27958	2.108	ng	99
75) Fluoranthene	12.622	202	383495	28.178	ng	99
78) Pyrene	12.851	202	336755	19.528	ng	99
81) Benzo(a)anthracene	14.039	228	165871	14.551	ng	96
83) Chrysene	14.074	228	145358	13.663	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	49276	5.395	ng	96
88) Benzo(b)fluoranthene	15.092	252	170265m	20.223	ng	
89) Benzo(k)fluoranthene	15.110	252	46145m	6.113	ng	
90) Benzo(a)pyrene	15.457	252	101670	14.221	ng	98
92) Benzo(g,h,i)perylene	17.439	276	46431	5.976	ng	95

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

Quantitation Report (LSC Reviewed)

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Data File : BF139310.D
Acq On : 10 Sep 2024 20:29
Operator : RC/JU
Sample : P3907-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 01:31:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 16:11:43 2024
Response via : Initial Calibration

Instrument :
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ClientSampleId :
PL-701-COMP-54

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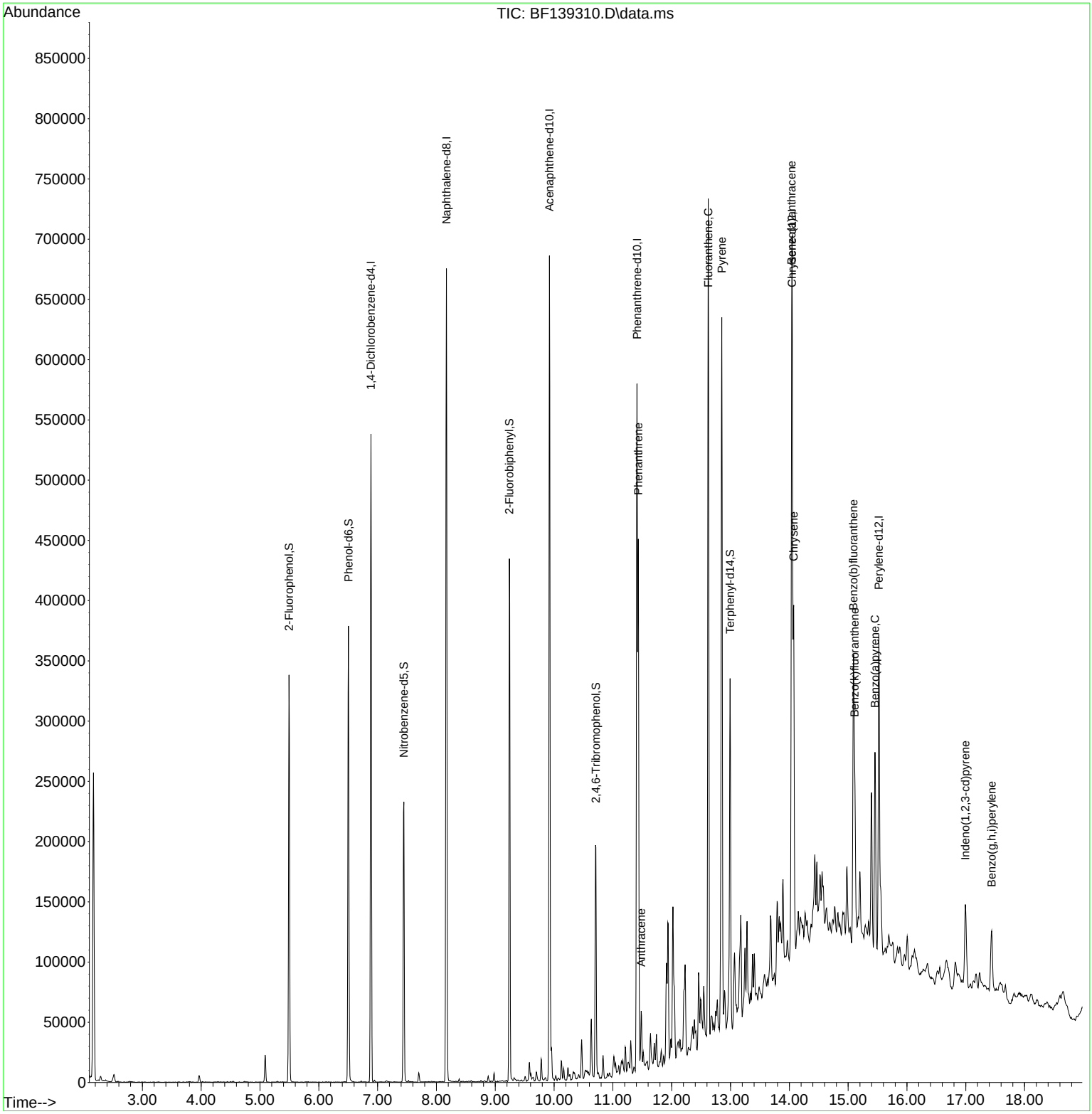
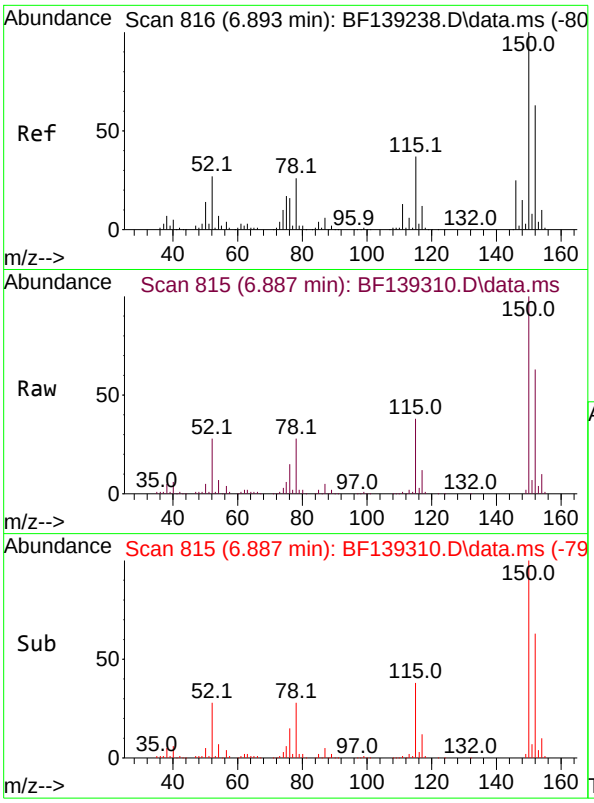
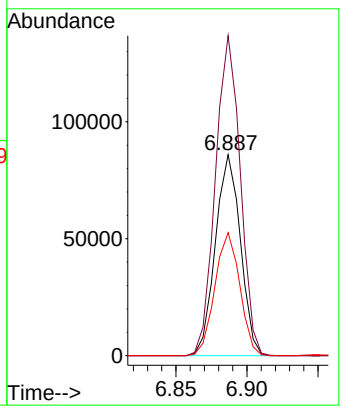




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:152 Resp: 10516

Ion	Ratio	Lower	Upper
152	100		
150	159.3	127.0	190.4
115	61.2	46.9	70.3



Instrument :
BNA_F
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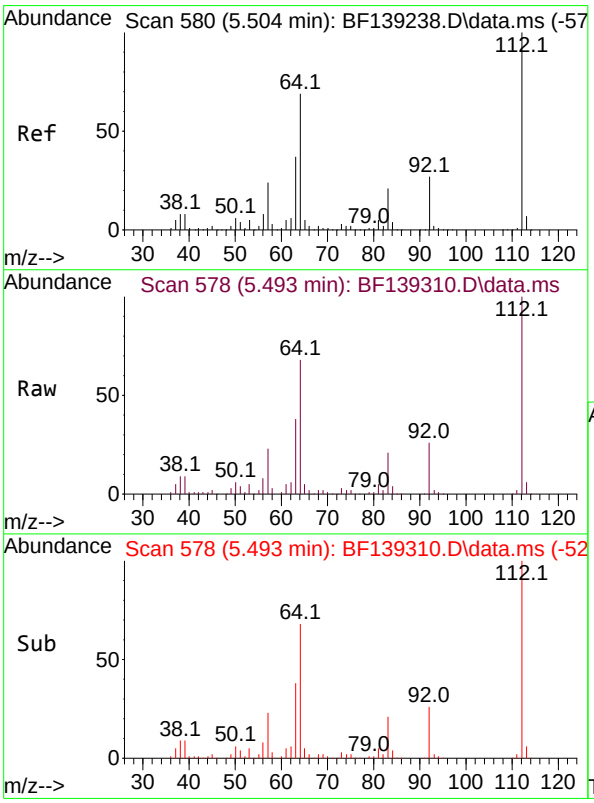
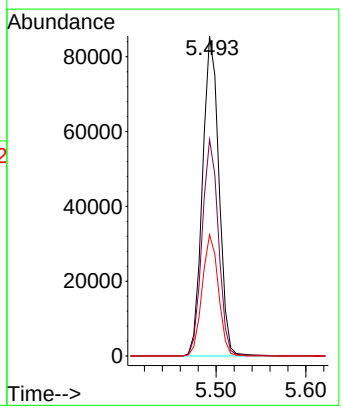
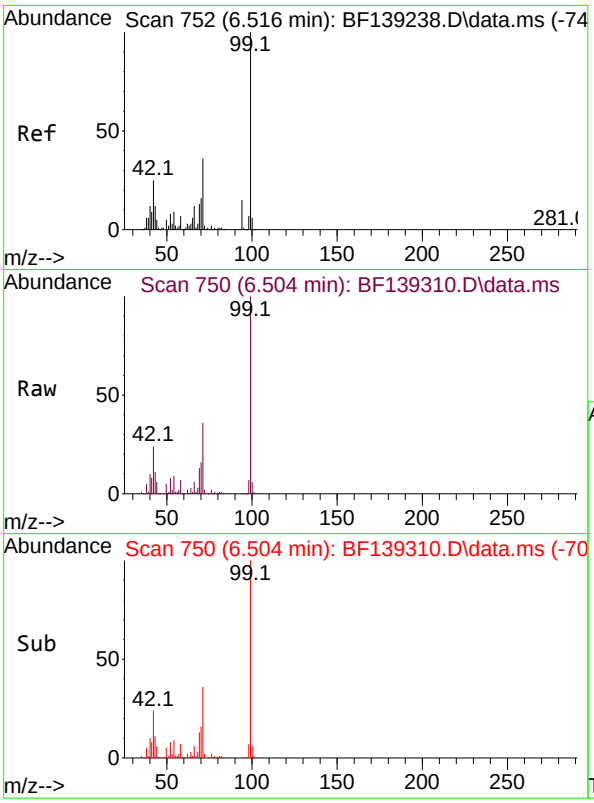


#5
2-Fluorophenol
Concen: 17.274 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:112 Resp: 108586

Ion	Ratio	Lower	Upper
112	100		
64	67.7	55.0	82.4
63	37.9	29.9	44.9

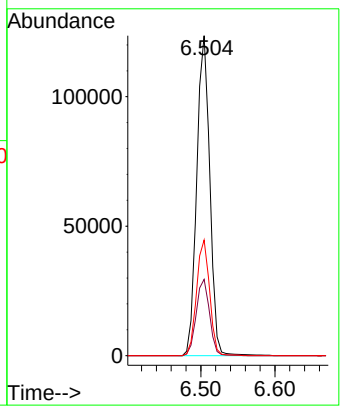




#7
Phenol-d6
Concen: 18.007 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion: 99 Resp: 15111

Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.8	29.6
71	36.1	28.8	43.2



Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-54

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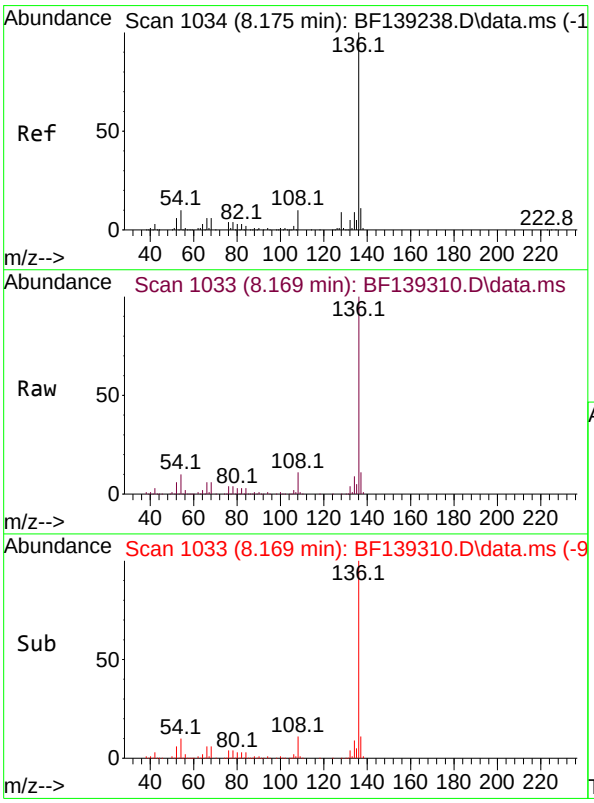
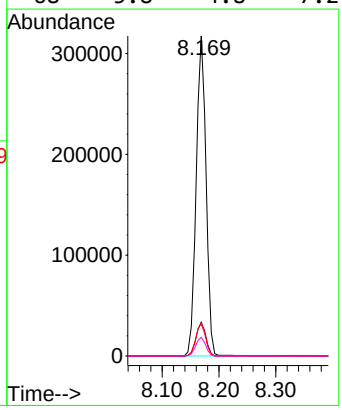
Supervised By :mohammad ahmed 09/12/2024

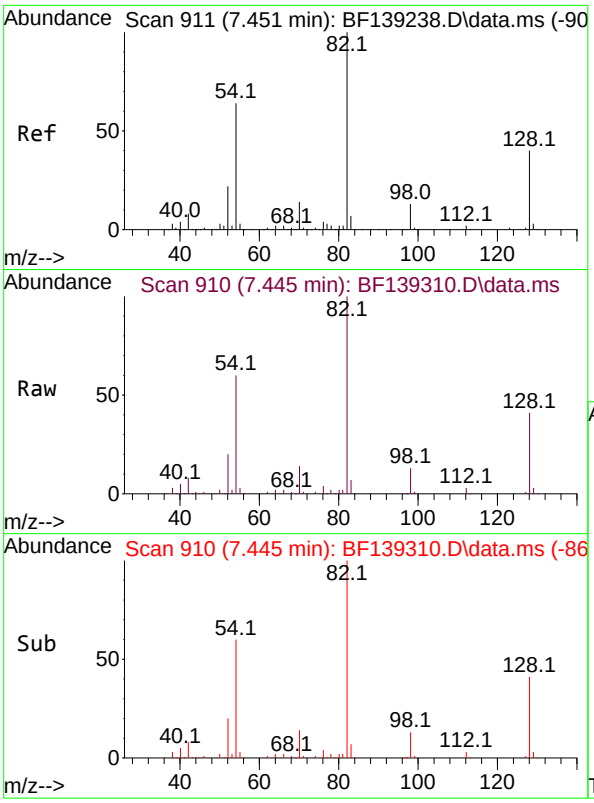


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:136 Resp: 386060

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	10.1	8.4	12.6
68	5.8	4.8	7.2

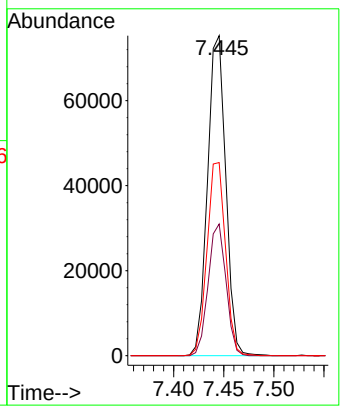




#23
Nitrobenzene-d5
Concen: 12.868 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion: 82 Resp: 9549

Ion	Ratio	Lower	Upper
82	100		
128	41.1	32.3	48.5
54	60.4	51.2	76.8



Instrument :
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ClientSampleId :
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Manual Integrations
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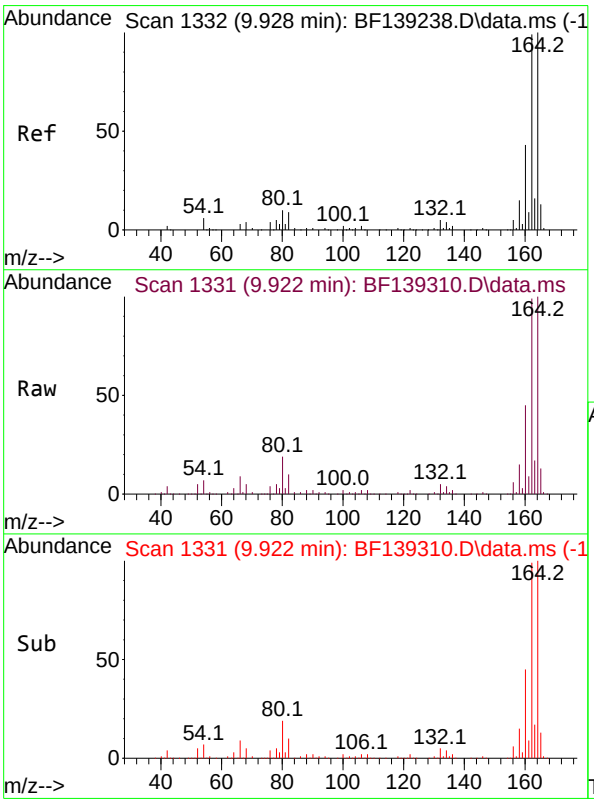
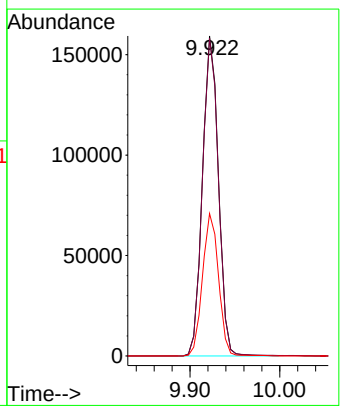
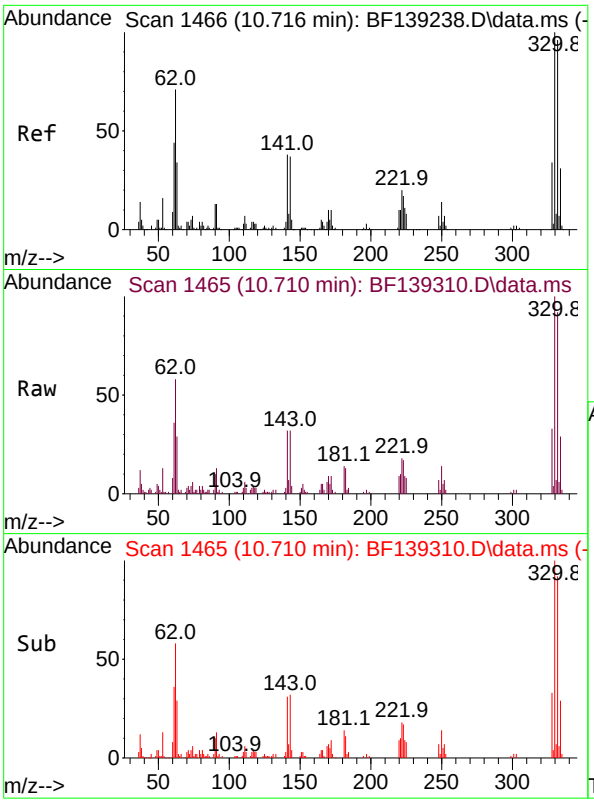


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:164 Resp: 196955

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.2	118.8
160	44.5	34.2	51.2





#42
2,4,6-Tribromophenol
Concen: 16.777 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:330 Resp: 2853

Ion	Ratio	Lower	Upper
330	100		
332	92.4	76.6	115.0
141	35.4	30.1	45.1

Instrument :
BNA_F
ClientSampleId :
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Manual Integrations
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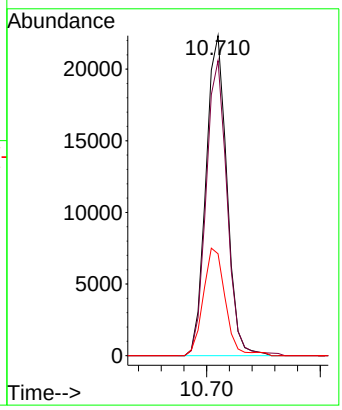
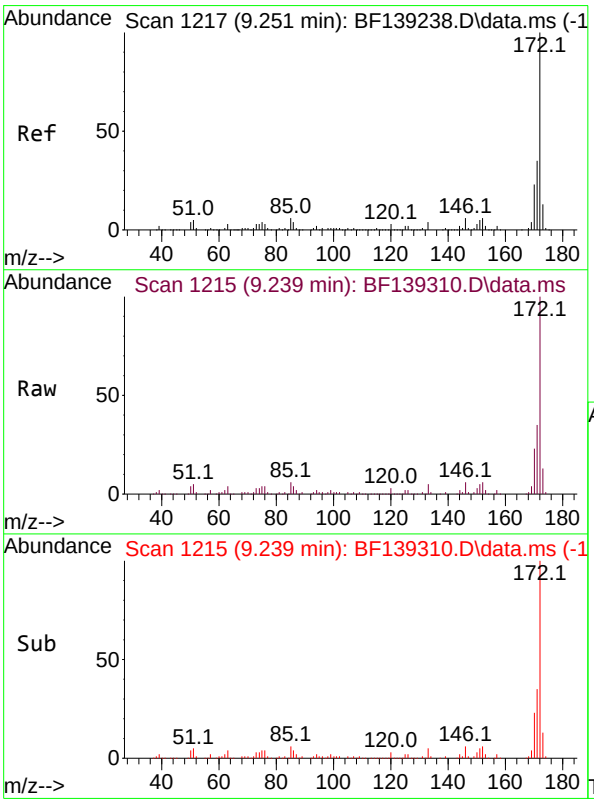
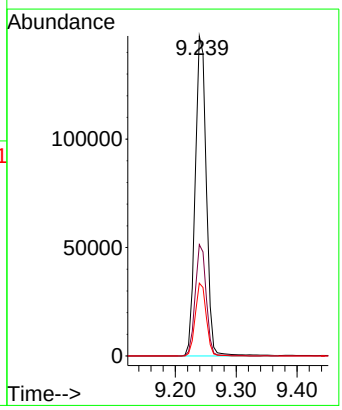


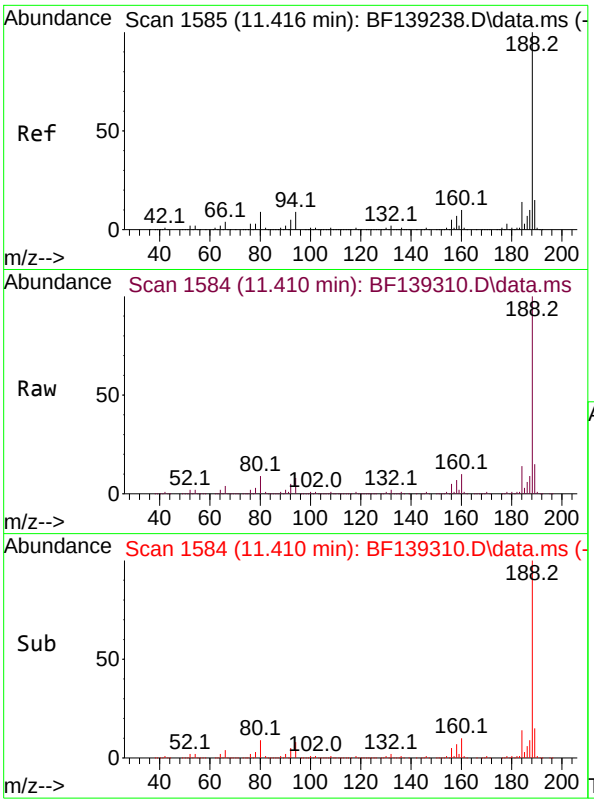


#45
2-Fluorobiphenyl
Concen: 14.641 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:172 Resp: 186807

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.3	42.5
170	22.8	18.7	28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:188 Resp: 29058

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.4
80	9.1	7.3	10.9

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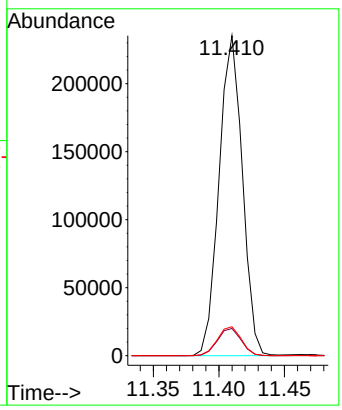
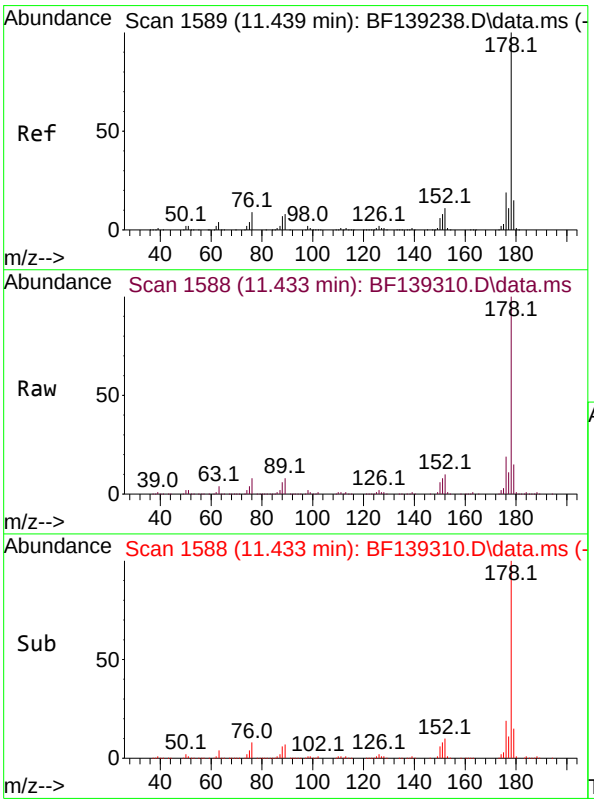
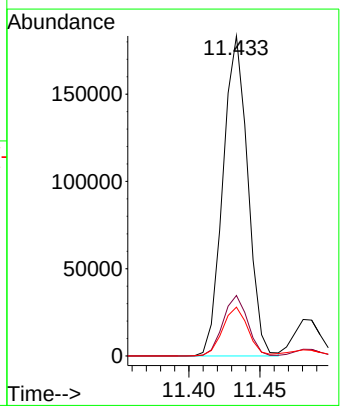


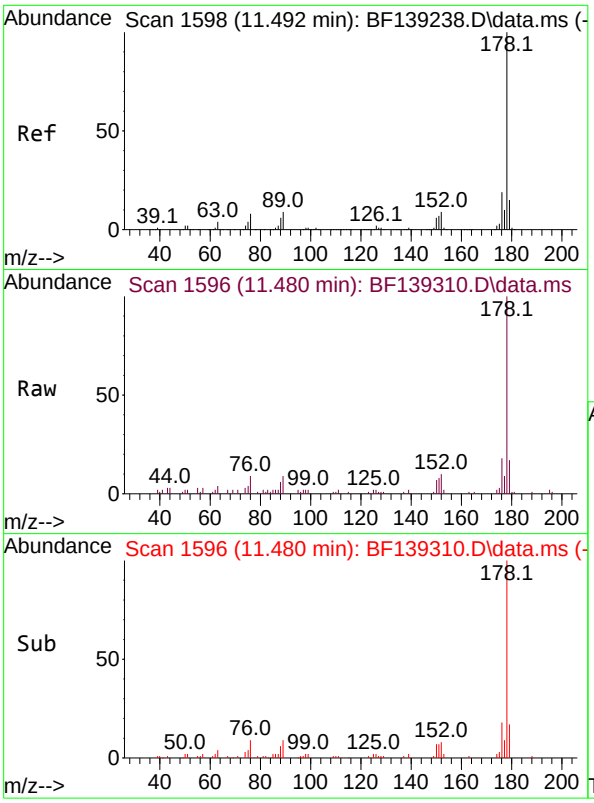


#71
Phenanthrene
Concen: 16.377 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:178 Resp: 222321

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.3	12.3	18.5

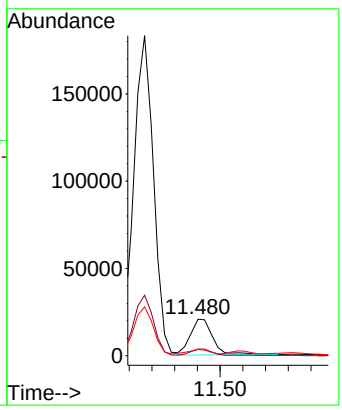




#72
Anthracene
Concen: 2.108 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:178 Resp: 2795

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	16.5	12.3	18.5



Instrument :
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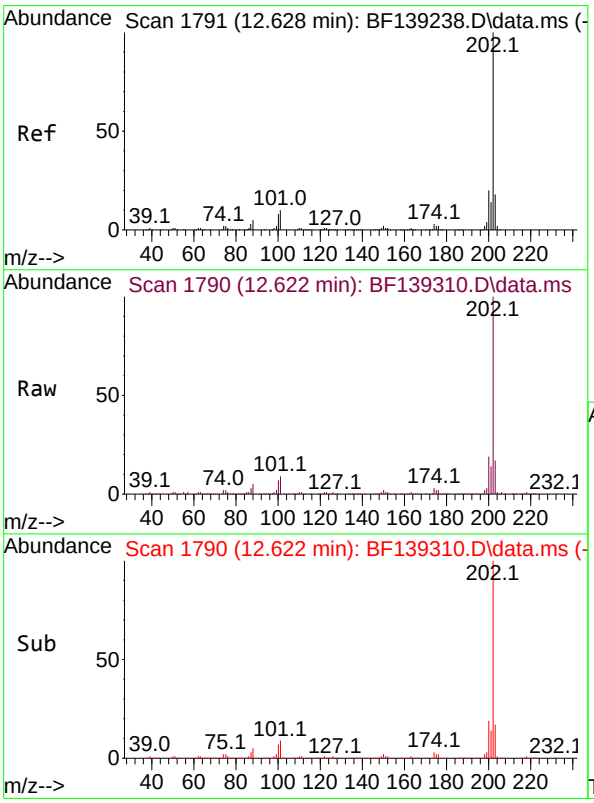
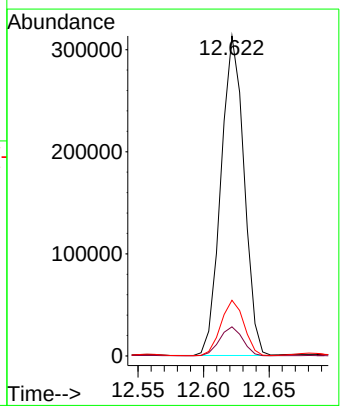
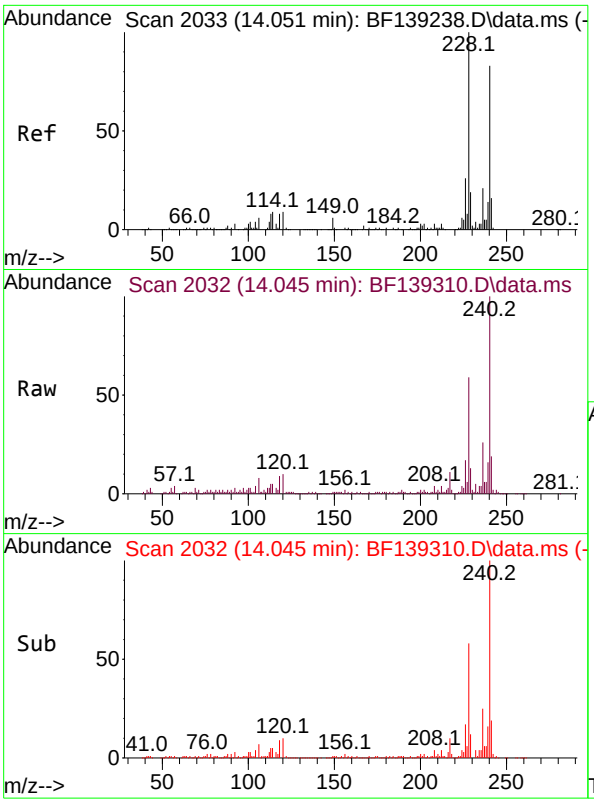


#75
Fluoranthene
Concen: 28.178 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:202 Resp: 383495

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	29.9
203	17.4	0.0	37.7

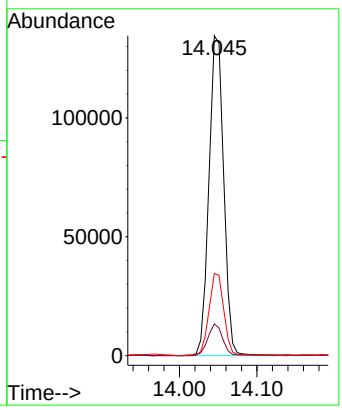




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:240 Resp: 17851

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.6	12.8
236	25.7	20.7	31.1



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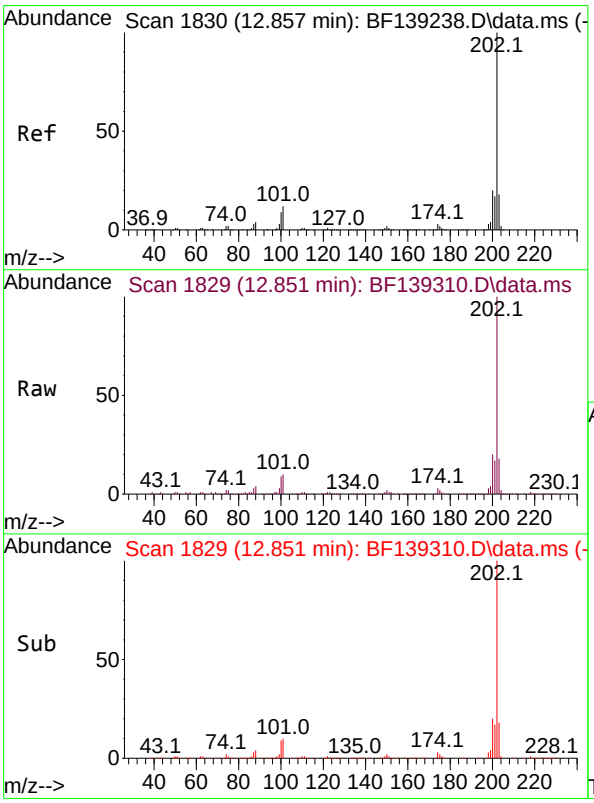
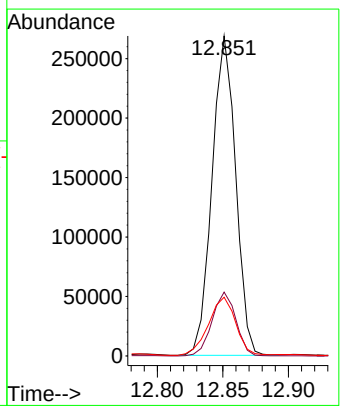
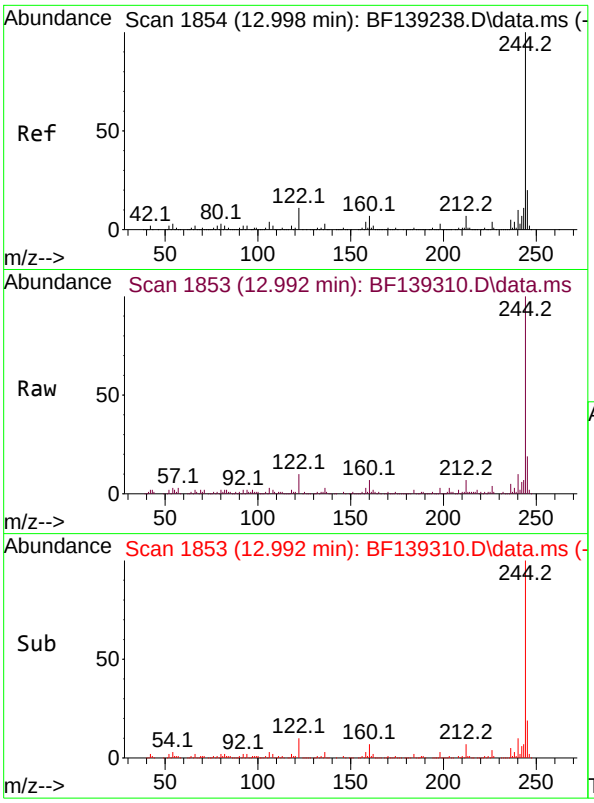


#78
Pyrene
Concen: 19.528 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:202 Resp: 336755

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.8	23.8
203	18.4	14.1	21.1

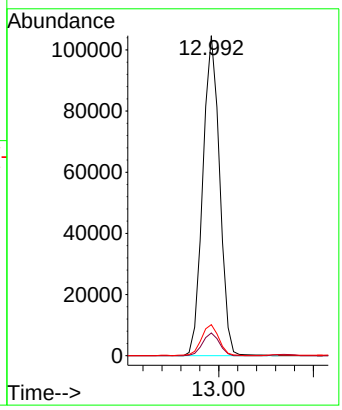




#79
Terphenyl-d14
Concen: 11.635 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:244 Resp: 12864

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	9.7	8.7	13.1



Instrument :
BNA_F
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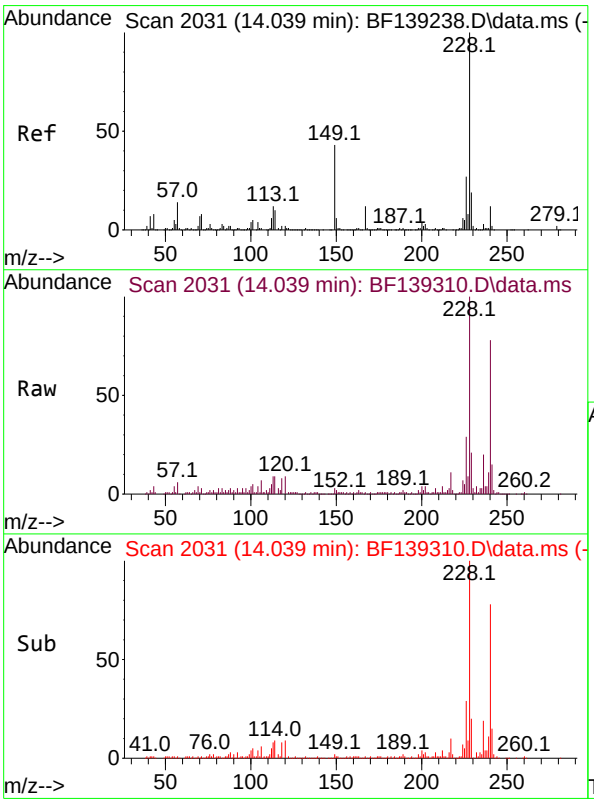
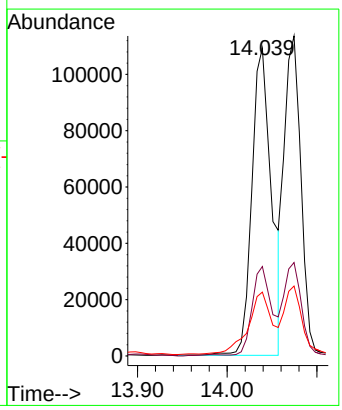
Supervised By :mohammad ahmed 09/12/2024

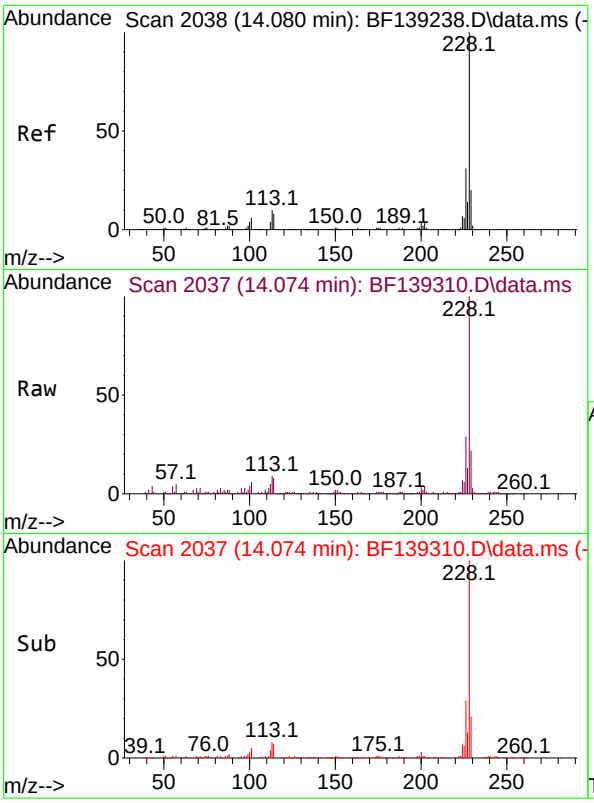


#81
Benzo(a)anthracene
Concen: 14.551 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:228 Resp: 165871

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.5	32.3
229	20.7	15.6	23.4





#83
Chrysene
Concen: 13.663 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:228 Resp: 14535

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.8
229	21.8	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-54

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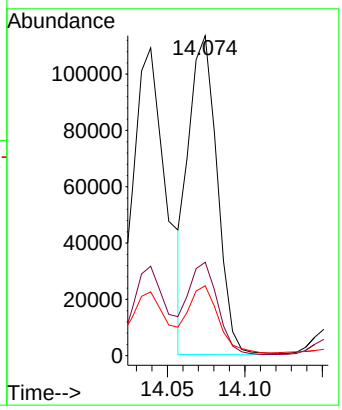
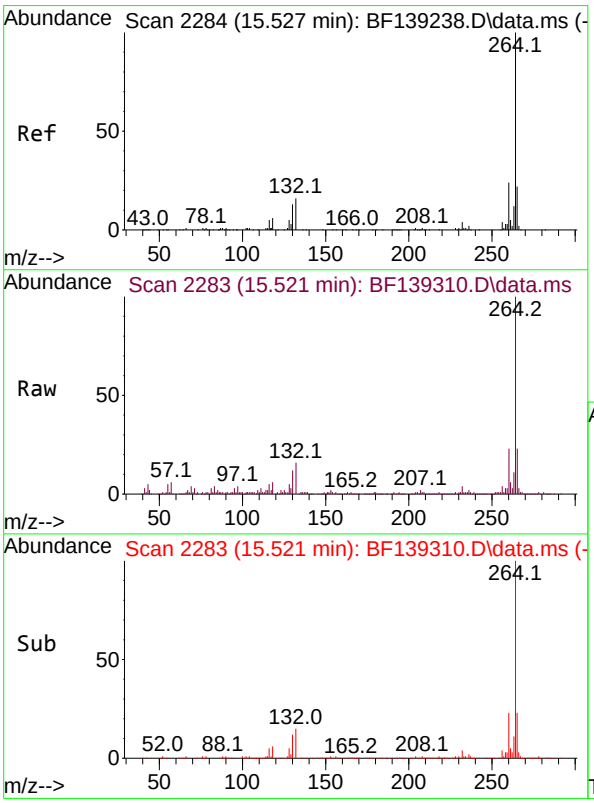
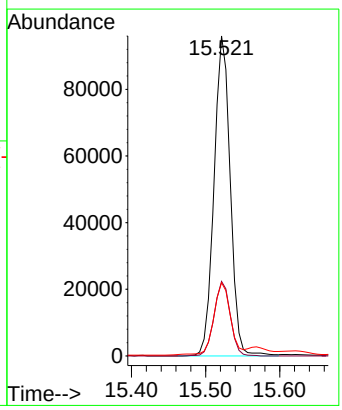


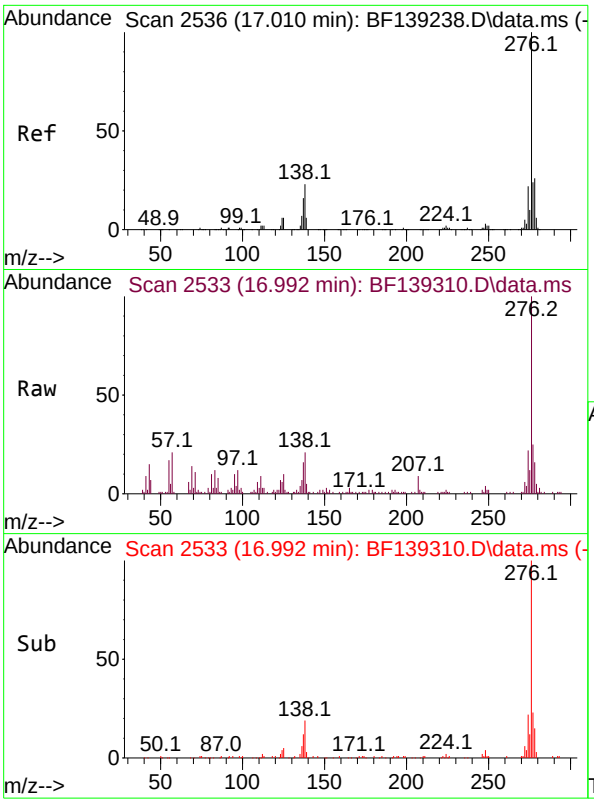


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:264 Resp: 146194

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	22.9	17.3	25.9

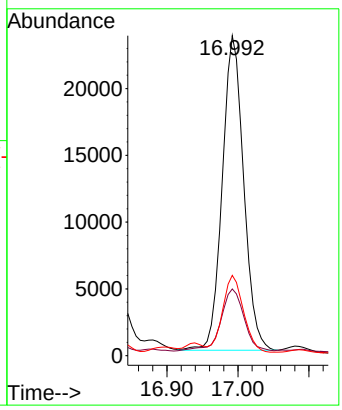




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.395 ng
RT: 16.992 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:276 Resp: 4927

Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.4	30.6
277	24.0	20.3	30.5



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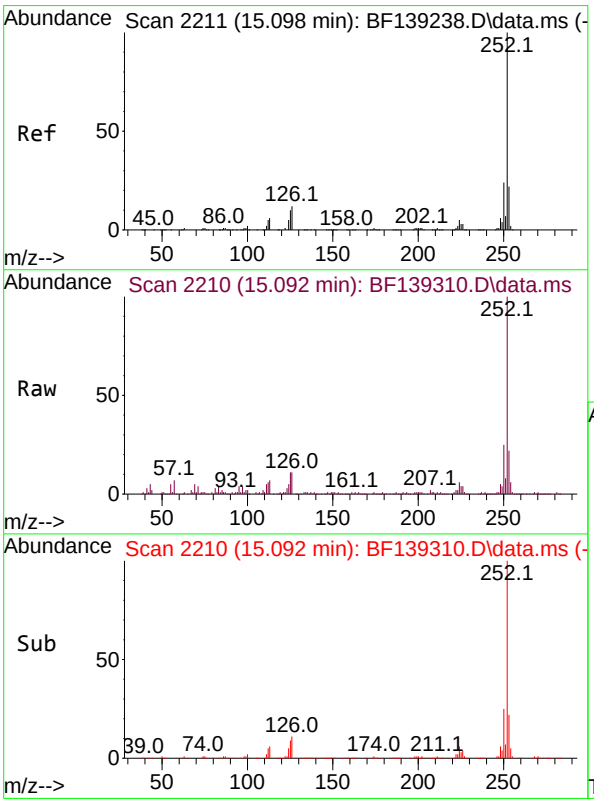
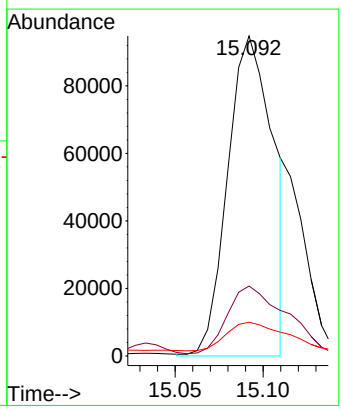
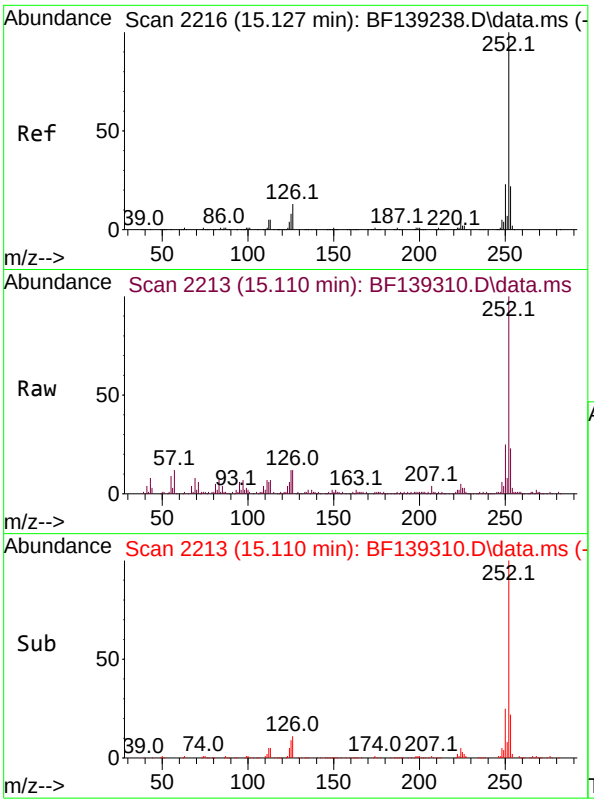


#88
Benzo(b)fluoranthene
Concen: 20.223 ng m
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:252 Resp: 170265

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.5	7.6	11.4

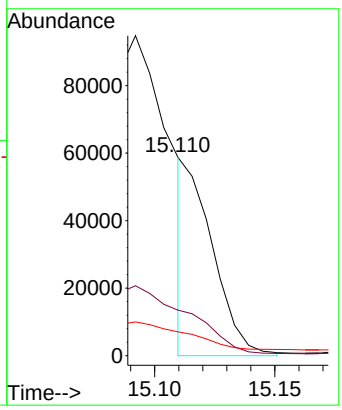




#89
Benzo(k)fluoranthene
Concen: 6.113 ng m
RT: 15.110 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:252 Resp: 4614

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	12.0	7.2	10.8



Instrument :
BNA_F
ClientSampleId :
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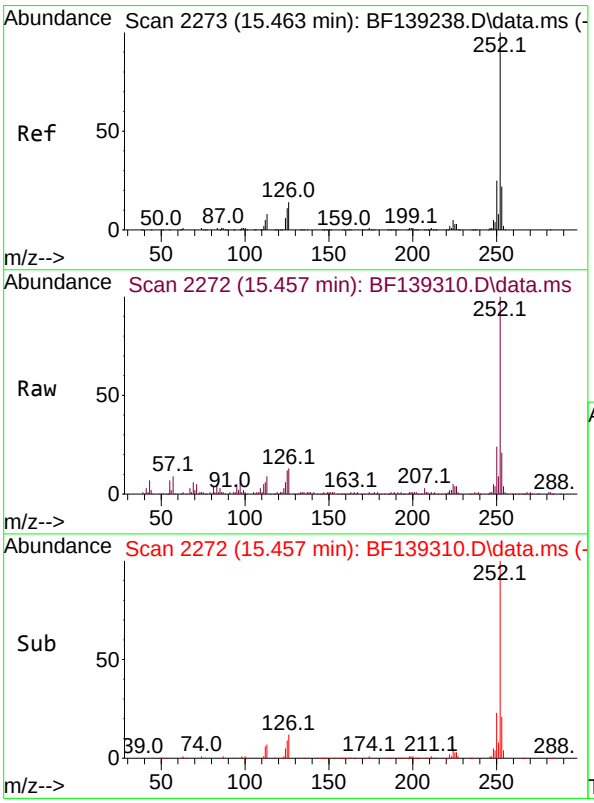
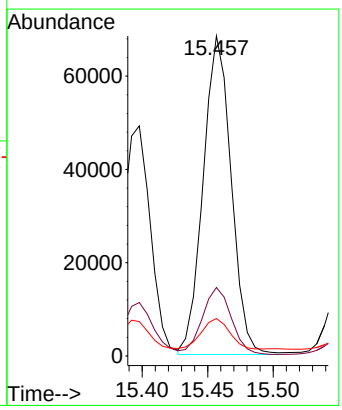
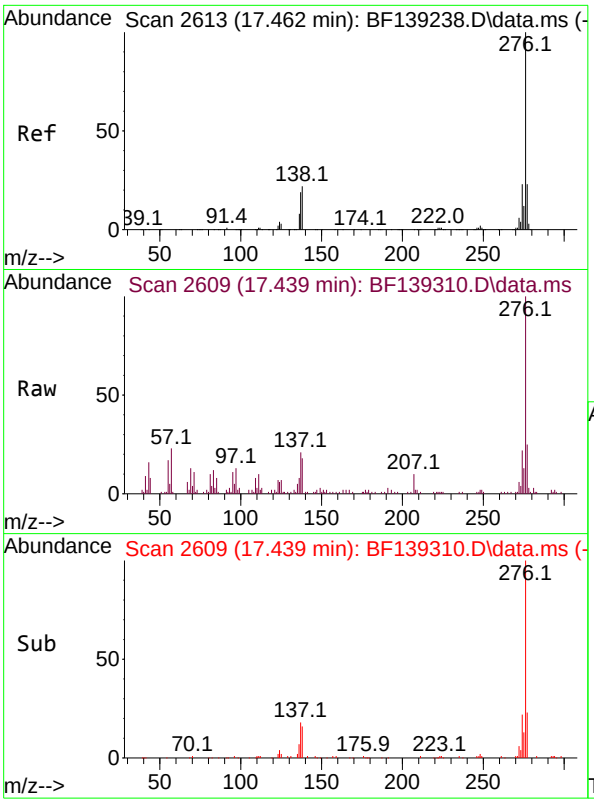


#90
Benzo(a)pyrene
Concen: 14.221 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:252 Resp: 101670

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	11.7	8.6	13.0

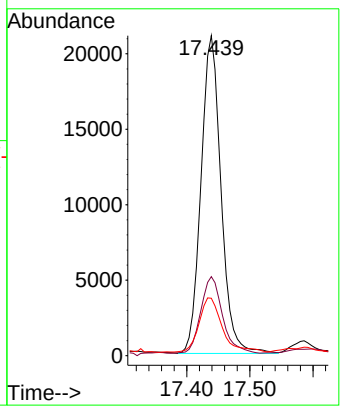




#92
Benzo(g,h,i)perylene
Concen: 5.976 ng
RT: 17.439 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:276 Resp: 4643

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	27.8
138	18.0	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-54

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