Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
Data File : BF135020.D
Acq On : 30 Aug 2023 23:44
Operator : CG\JU
Sample : 04196-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023

Quant Time: Aug 31 05:58:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 31 03:48:08 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	131819	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	530008	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	257674	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	420224	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	227974	20.000	ng	0.00
86) Perylene-d12	15.421	264	261800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	763495	89.464	ng	0.00
7) Phenol-d6	6.410	99	939274	88.301	ng	0.00
23) Nitrobenzene-d5	7.334	82	565160	59.907	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	205428	75.155	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	952614	60.191	ng	-0.01
79) Terphenyl-d14	12.898	244	729914	52.249	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.322	178	50541	2.331	ng	97
75) Fluoranthene	12.516	202	104674	4.775	ng	100
78) Pyrene	12.745	202	86117	3.979	ng	99
81) Benzo(a)anthracene	13.945	228	37455	2.409	ng	97
83) Chrysene	13.980	228	45218	2.959	ng	98
88) Benzo(b)fluoranthene	14.992	252	61711m	3.788	ng	
90) Benzo(a)pyrene	15.357	252	37953	2.508	ng	99

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

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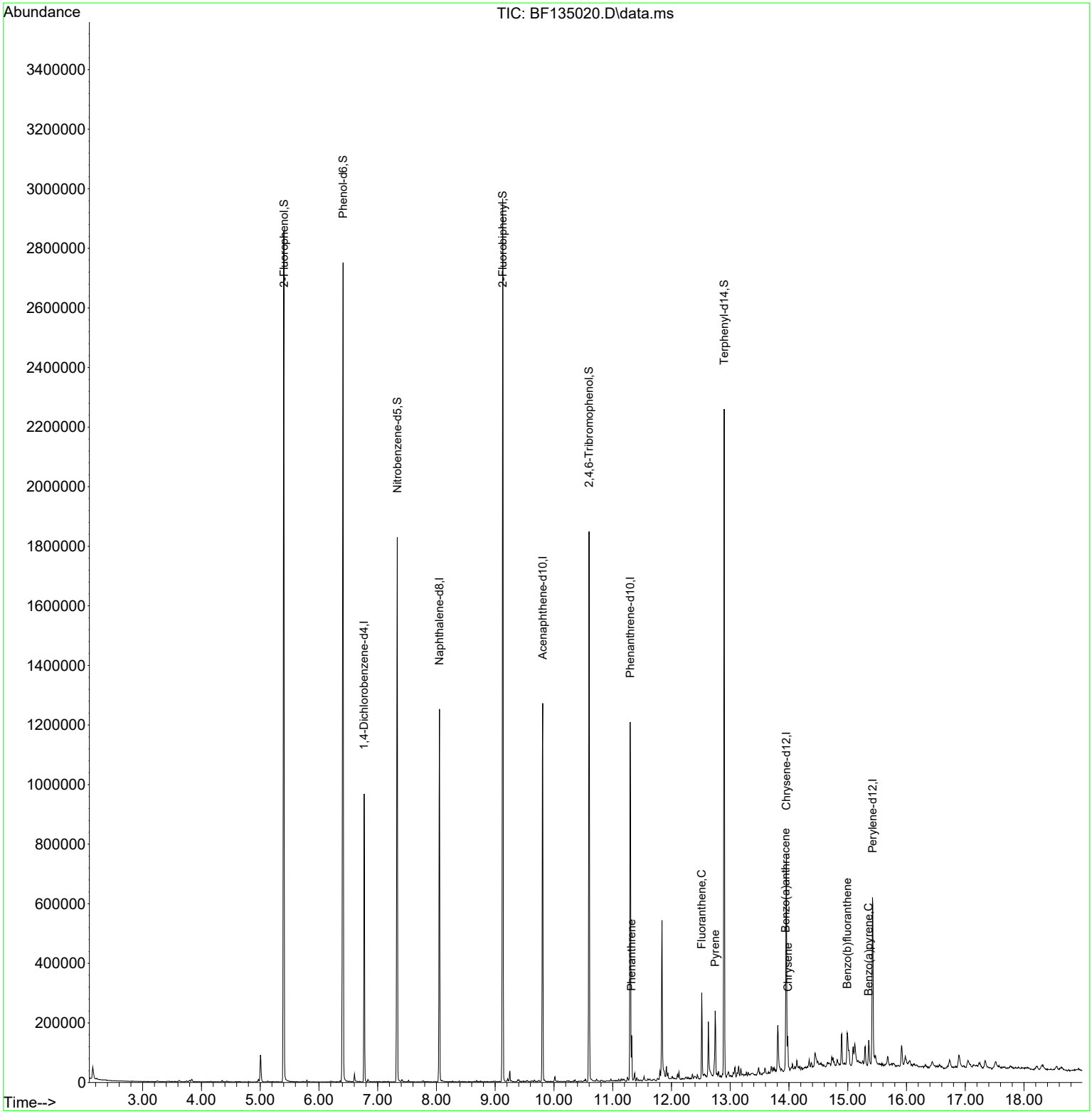
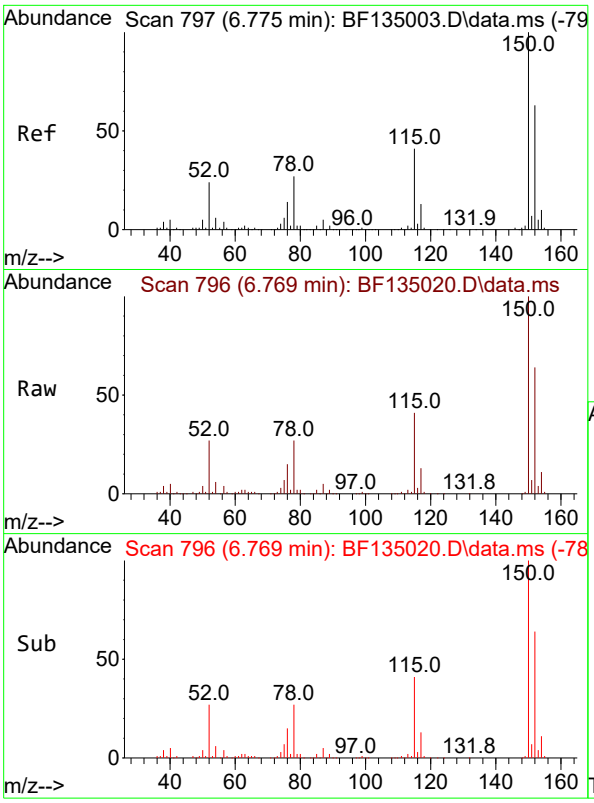
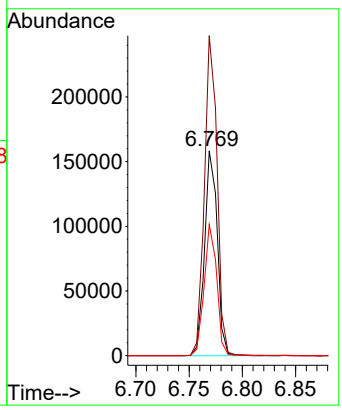




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:152 Resp: 13181

Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.4
115	64.1	51.2	76.8



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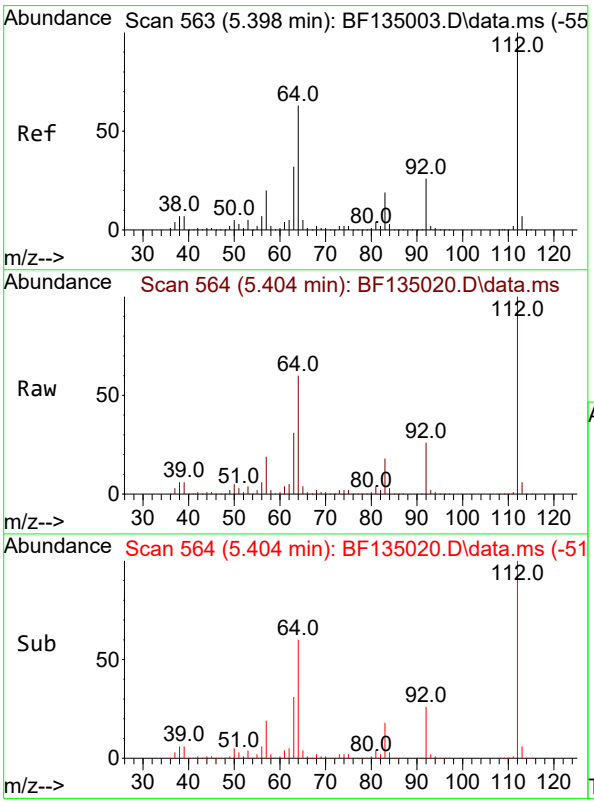
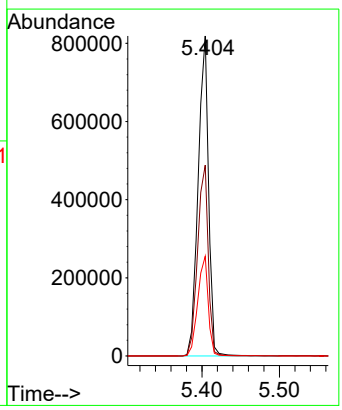
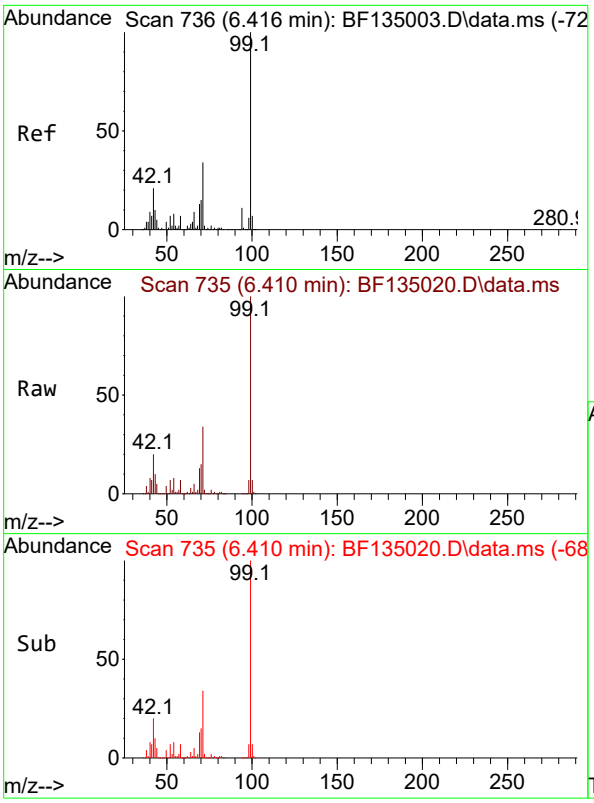


#5
2-Fluorophenol
Concen: 89.464 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:112 Resp: 763495

Ion	Ratio	Lower	Upper
112	100		
64	59.7	50.5	75.7
63	31.2	25.9	38.9

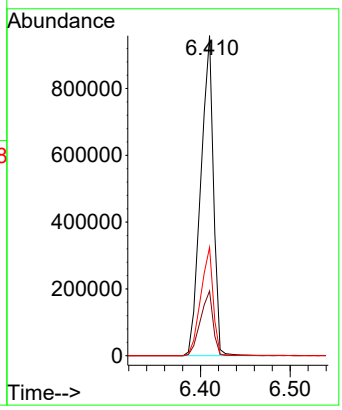




#7
Phenol-d6
Concen: 88.301 ng
RT: 6.410 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion: 99 Resp: 93927

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.6	25.0
71	33.9	27.0	40.6



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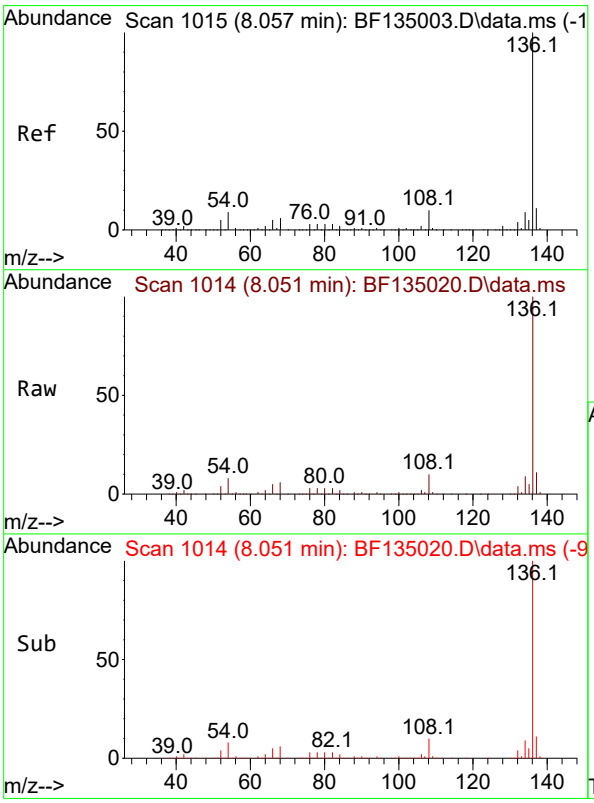
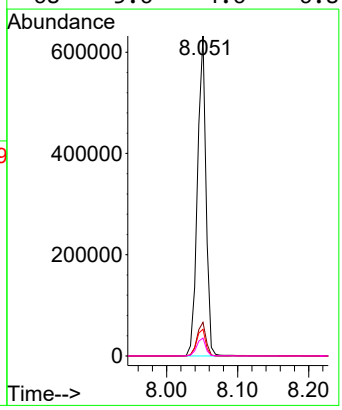
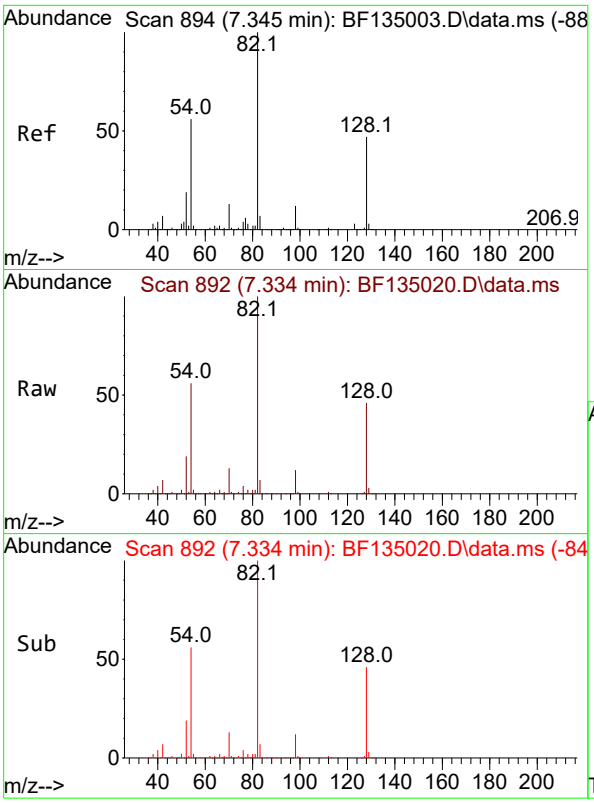


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:136 Resp: 530008

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	8.4	7.0	10.4
68	5.6	4.6	6.8





#23
Nitrobenzene-d5
Concen: 59.907 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion: 82 Resp: 56516

Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.8	56.8
54	56.2	45.0	67.6

Instrument :
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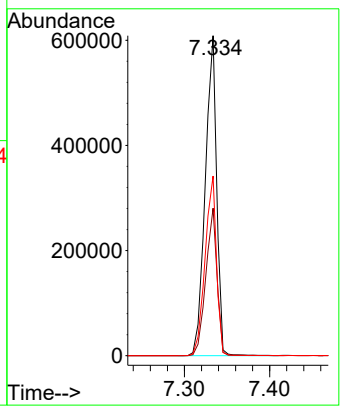
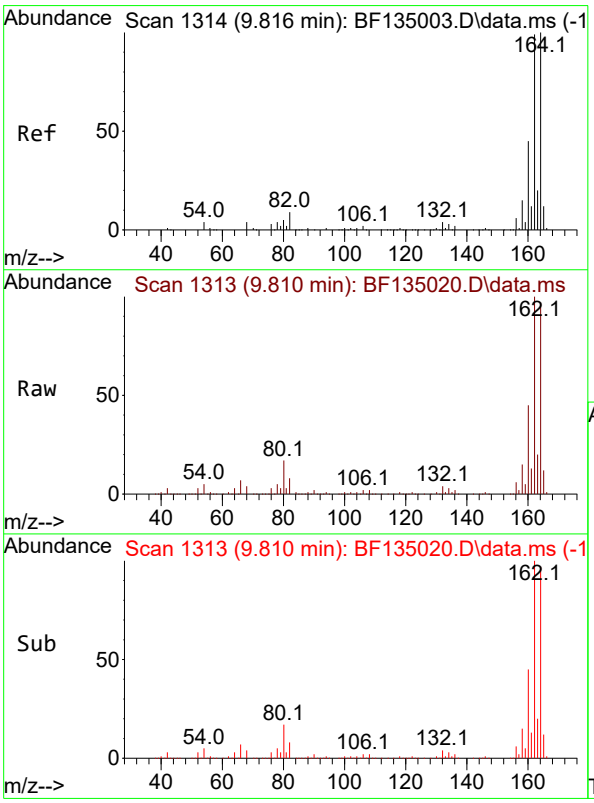
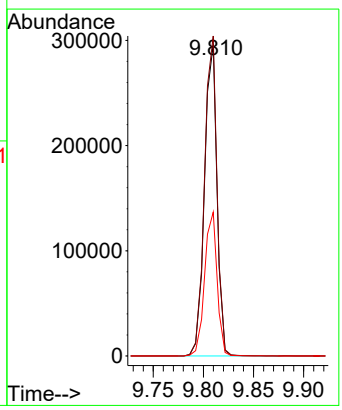


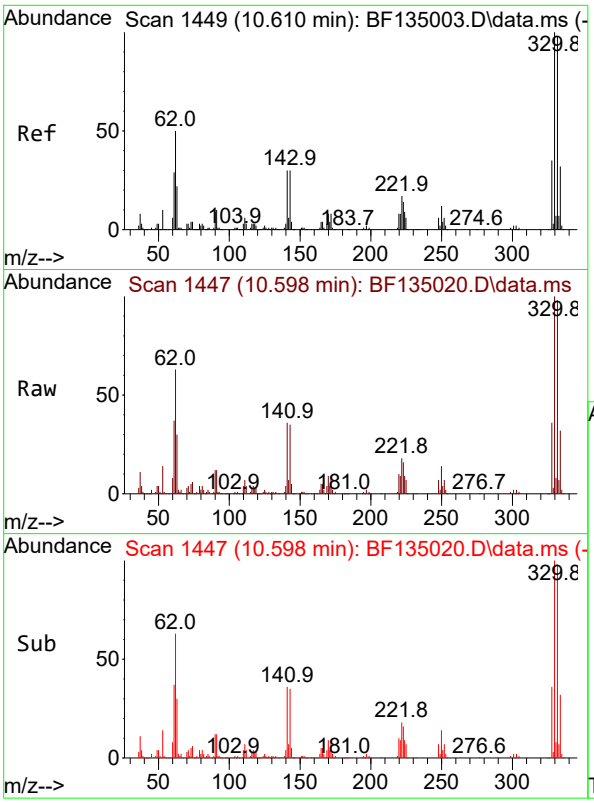


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:164 Resp: 257674

Ion	Ratio	Lower	Upper
164	100		
162	102.8	79.5	119.3
160	46.2	36.0	54.0

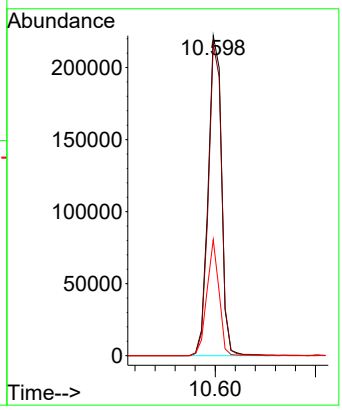




#42
2,4,6-Tribromophenol
Concen: 75.155 ng
RT: 10.598 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:330 Resp: 20542

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	32.9	26.3	39.5



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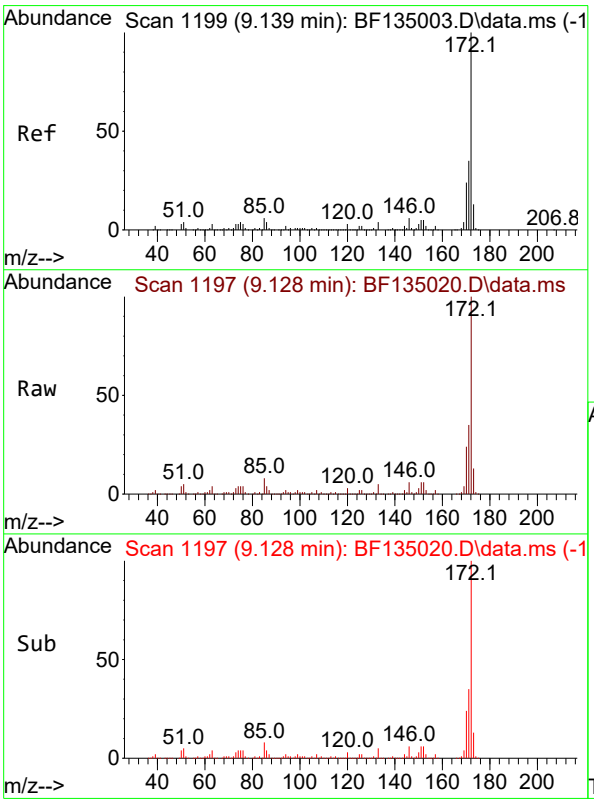
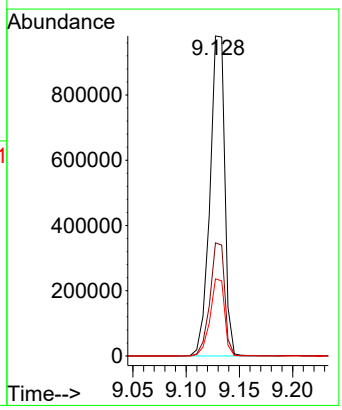
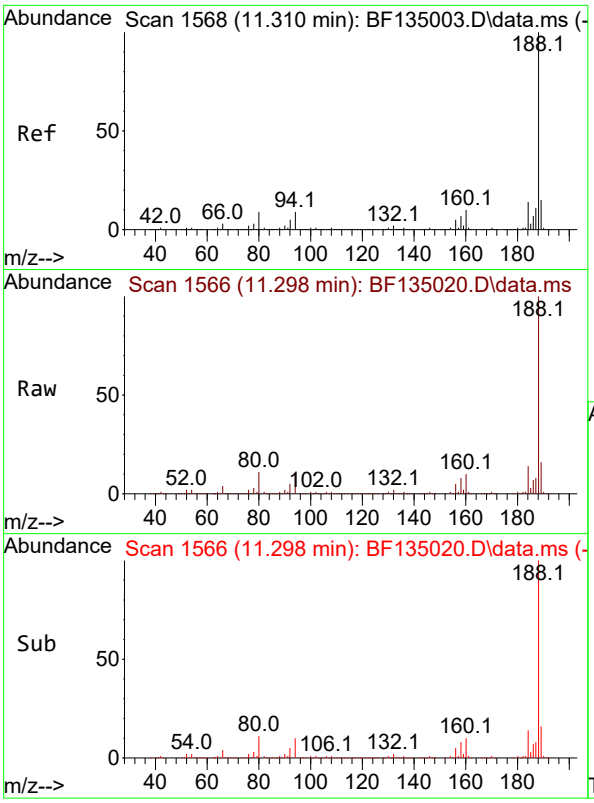


#45
2-Fluorobiphenyl
Concen: 60.191 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:172 Resp: 952614

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	24.1	19.0	28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:188 Resp: 42022

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.0	10.4
80	10.5	7.4	11.2

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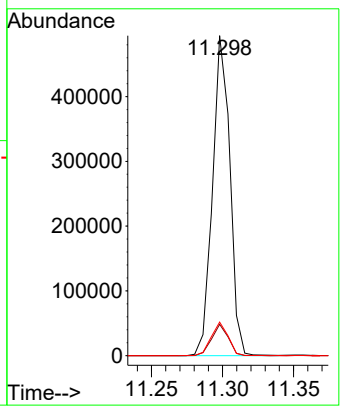
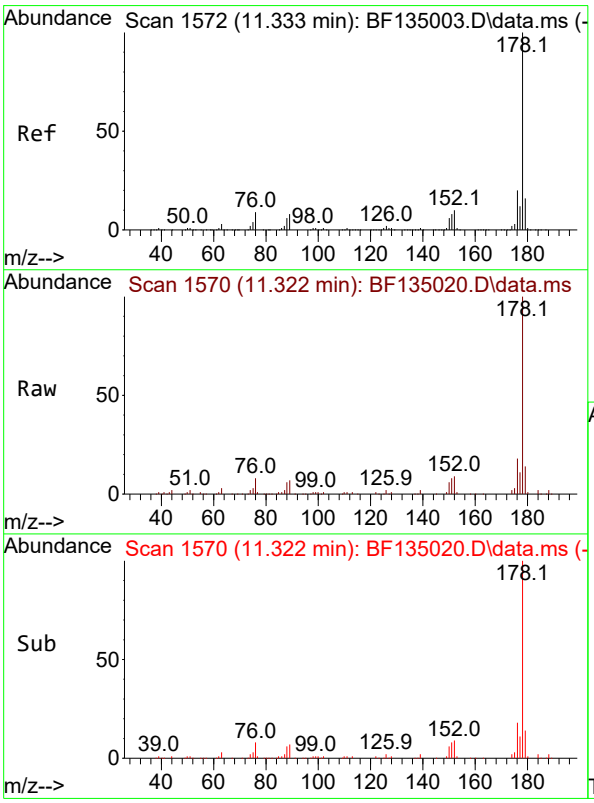
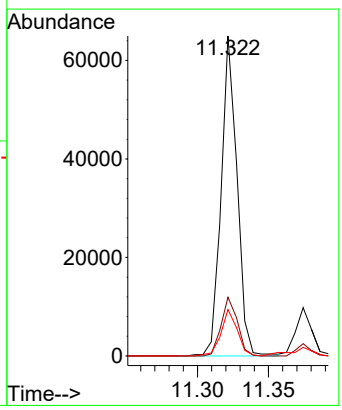


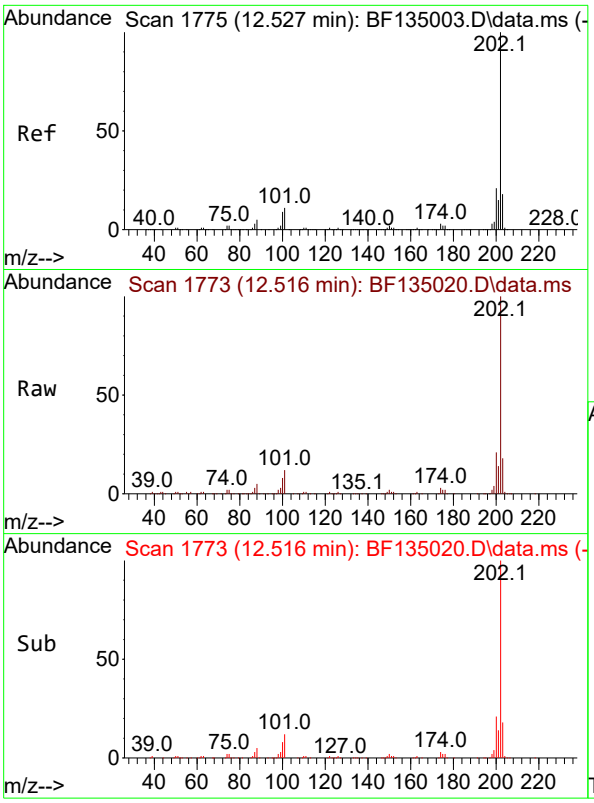


#71
Phenanthrene
Concen: 2.331 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:178 Resp: 50541

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	14.5	12.5	18.7





#75
Fluoranthene
Concen: 4.775 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:202 Resp: 10467

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.5
203	17.5	0.0	37.8

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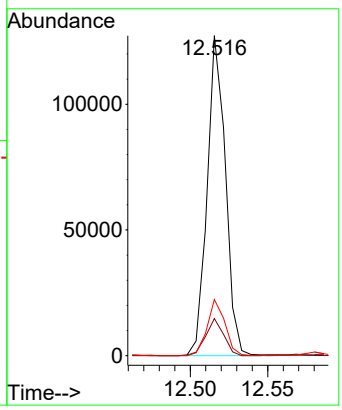
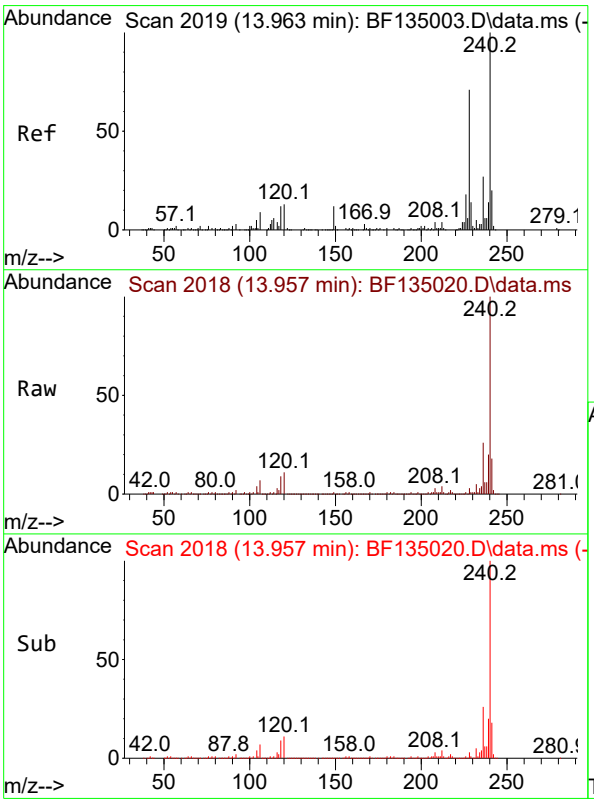
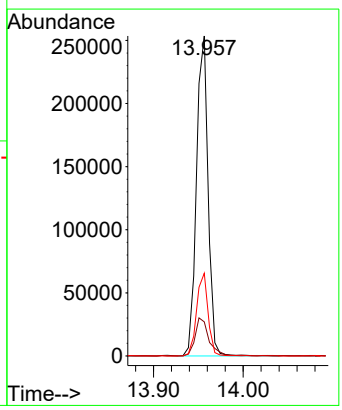


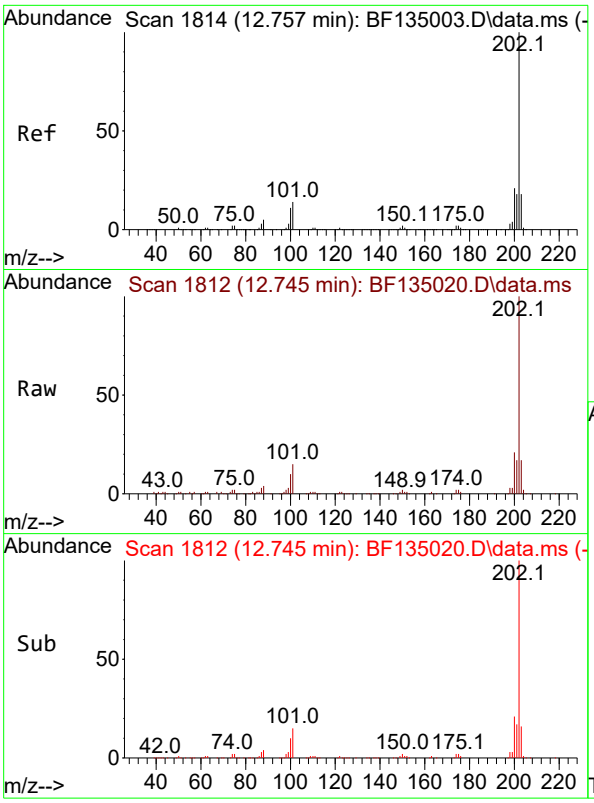


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:240 Resp: 227974

Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.2	15.2
236	25.9	21.3	31.9

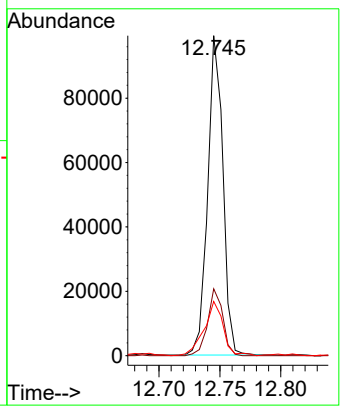




#78
Pyrene
Concen: 3.979 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:202 Resp: 8611

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.6
203	16.9	14.2	21.2



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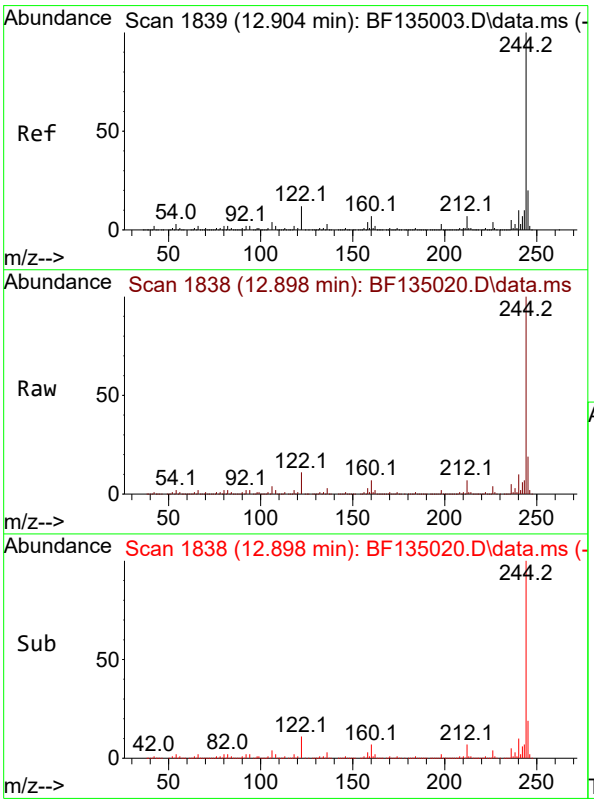
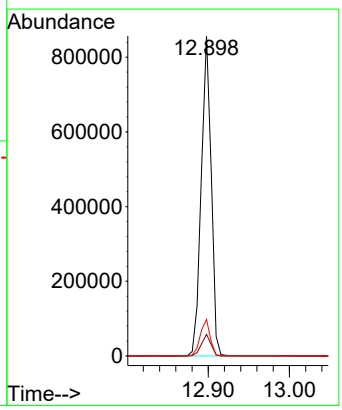
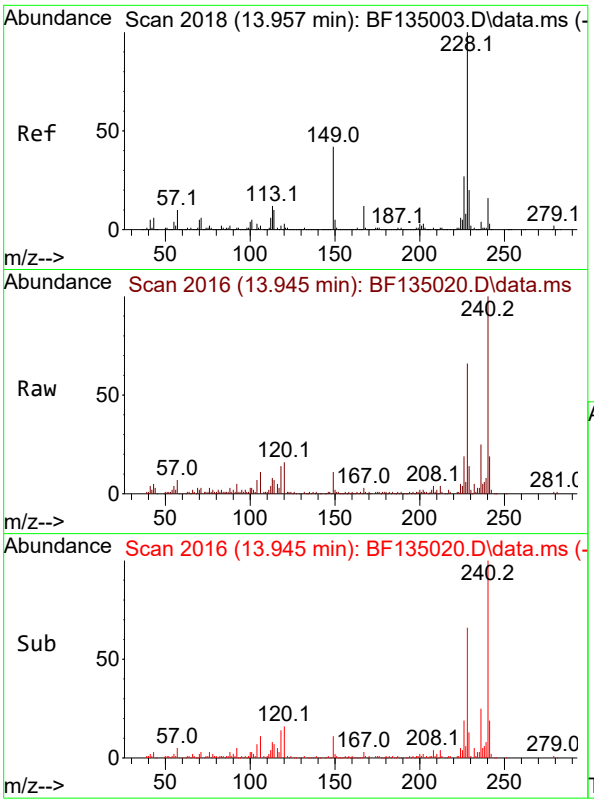


#79
Terphenyl-d14
Concen: 52.249 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:244 Resp: 729914

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.4	9.8	14.6

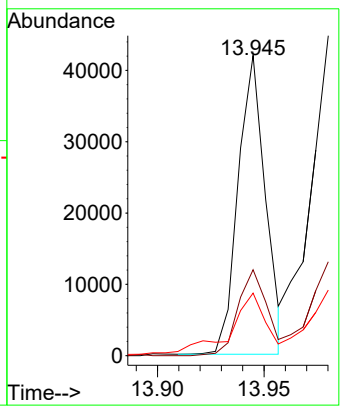




#81
Benzo(a)anthracene
Concen: 2.409 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:228 Resp: 3745

Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.6	32.4
229	20.8	15.6	23.4



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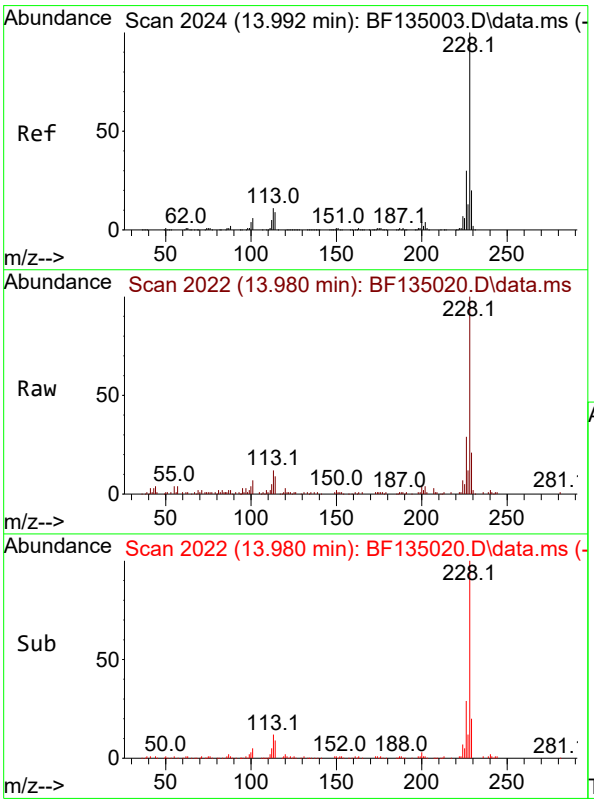
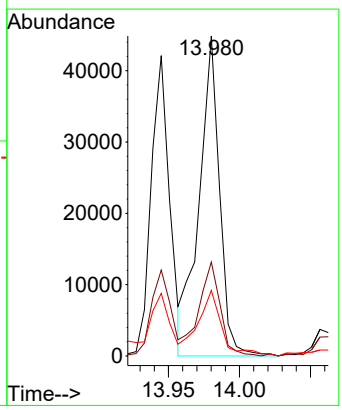
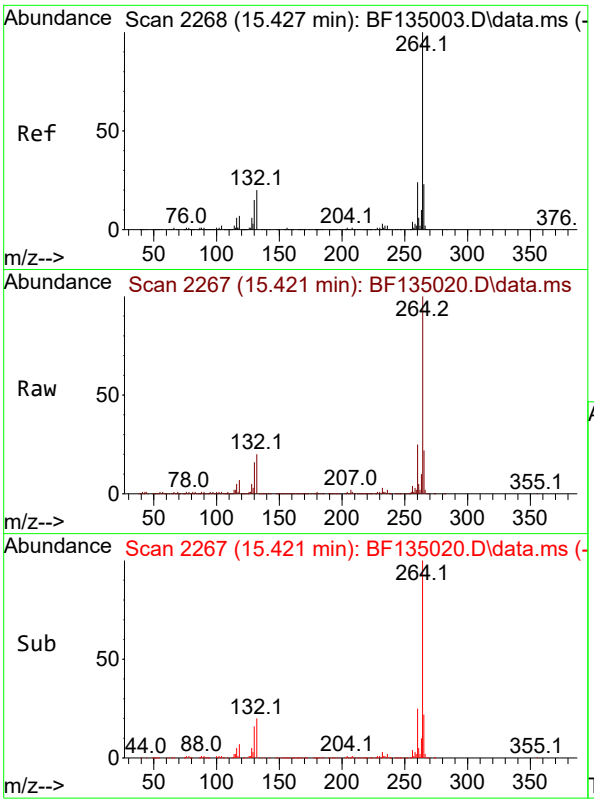


#83
Chrysene
Concen: 2.959 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:228 Resp: 45218

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.2	36.4
229	20.5	15.9	23.9

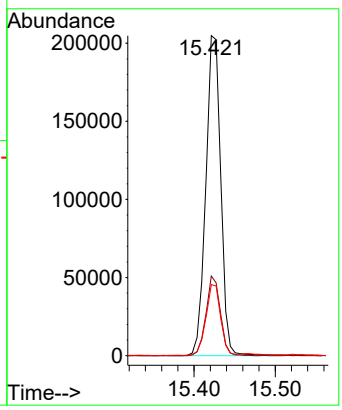




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:264 Resp: 26180

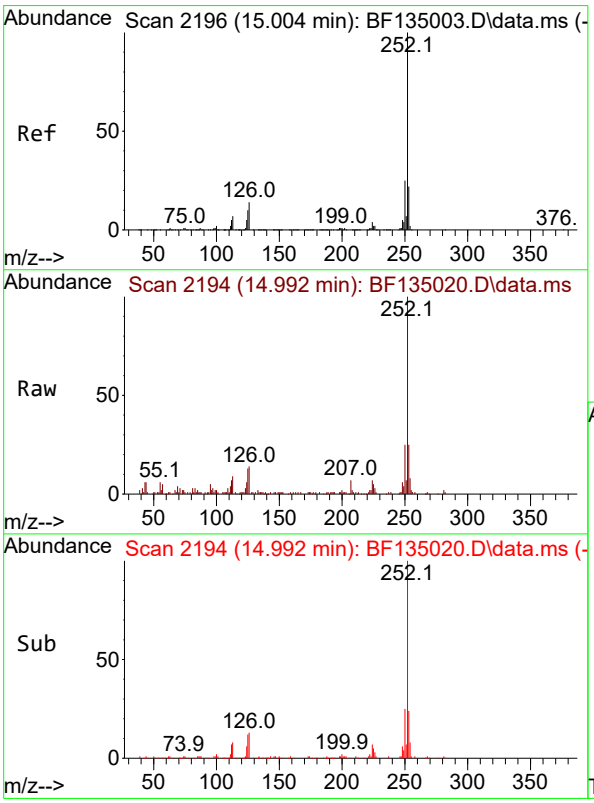
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.0	28.6
265	22.2	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-01

Manual Integrations
APPROVED

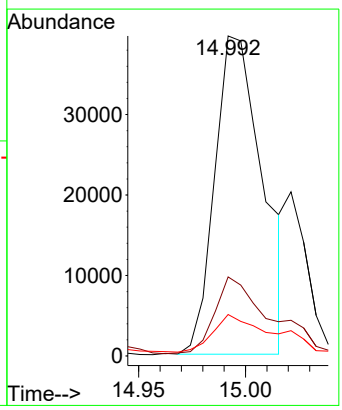
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023

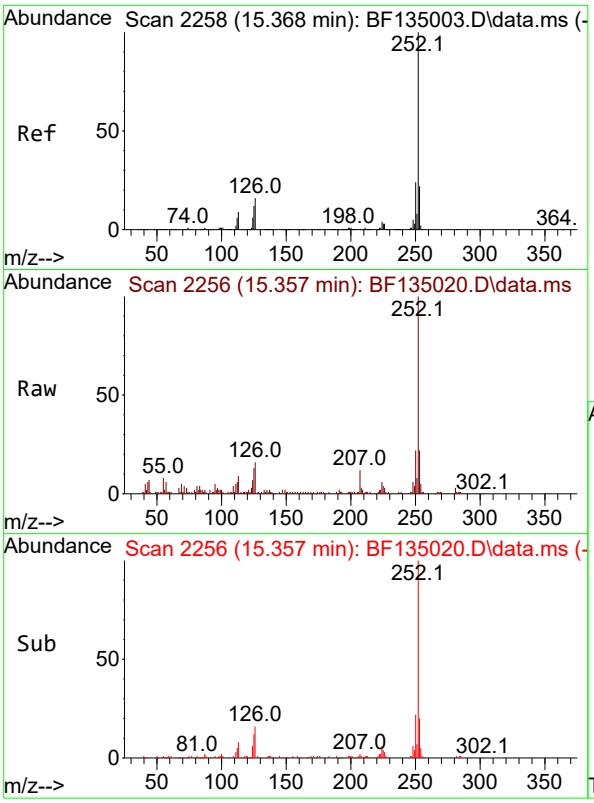


#88
Benzo(b)fluoranthene
Concen: 3.788 ng m
RT: 14.992 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:252 Resp: 61711

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	12.9	8.4	12.6#

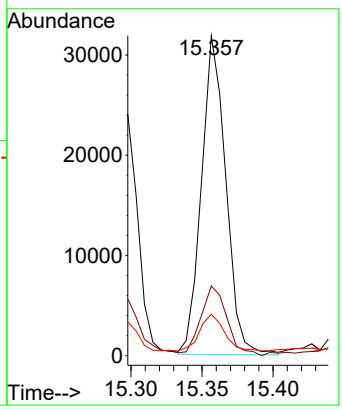




#90
Benzo(a)pyrene
Concen: 2.508 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:252 Resp: 3795

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	13.0	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-01

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023