Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022624\
Data File : BF137390.D
Acq On : 26 Feb 2024 17:35
Operator : CG\JU
Sample : P1538-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

Quant Time: Feb 26 17:53:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 24 04:23:49 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.781	152	198651	20.000	ng		-0.02
21) Naphthalene-d8	8.057	136	780579	20.000	ng		-0.02
39) Acenaphthene-d10	9.816	164	405200	20.000	ng		-0.02
64) Phenanthrene-d10	11.304	188	608790	20.000	ng		-0.02
76) Chrysene-d12	13.963	240	350653	20.000	ng		-0.02
86) Perylene-d12	15.439	264	405396	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	735597	57.138	ng		-0.01
7) Phenol-d6	6.416	99	1227633	64.824	ng		-0.02
23) Nitrobenzene-d5	7.340	82	814938	52.122	ng		-0.02
42) 2,4,6-Tribromophenol	10.604	330	113952	32.295	ng		-0.02
45) 2-Fluorobiphenyl	9.139	172	1433687	55.085	ng		-0.02
79) Terphenyl-d14	12.904	244	1167169	46.556	ng		-0.02
Target Compounds							Qvalue
71) Phenanthrene	11.328	178	145978	4.346	ng		98
75) Fluoranthene	12.527	202	116775	3.562	ng		97
78) Pyrene	12.751	202	133700	4.032	ng		98
81) Benzo(a)anthracene	13.951	228	55831	2.295	ng	#	92
83) Chrysene	13.986	228	59026m	2.375	ng		
87) Indeno(1,2,3-cd)pyrene	16.927	276	20033	2.556	ng		96
88) Benzo(b)fluoranthene	15.010	252	57126m	2.297	ng		
90) Benzo(a)pyrene	15.374	252	49584	2.102	ng	#	93
92) Benzo(g,h,i)perylene	17.380	276	22505	2.975	ng		97

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

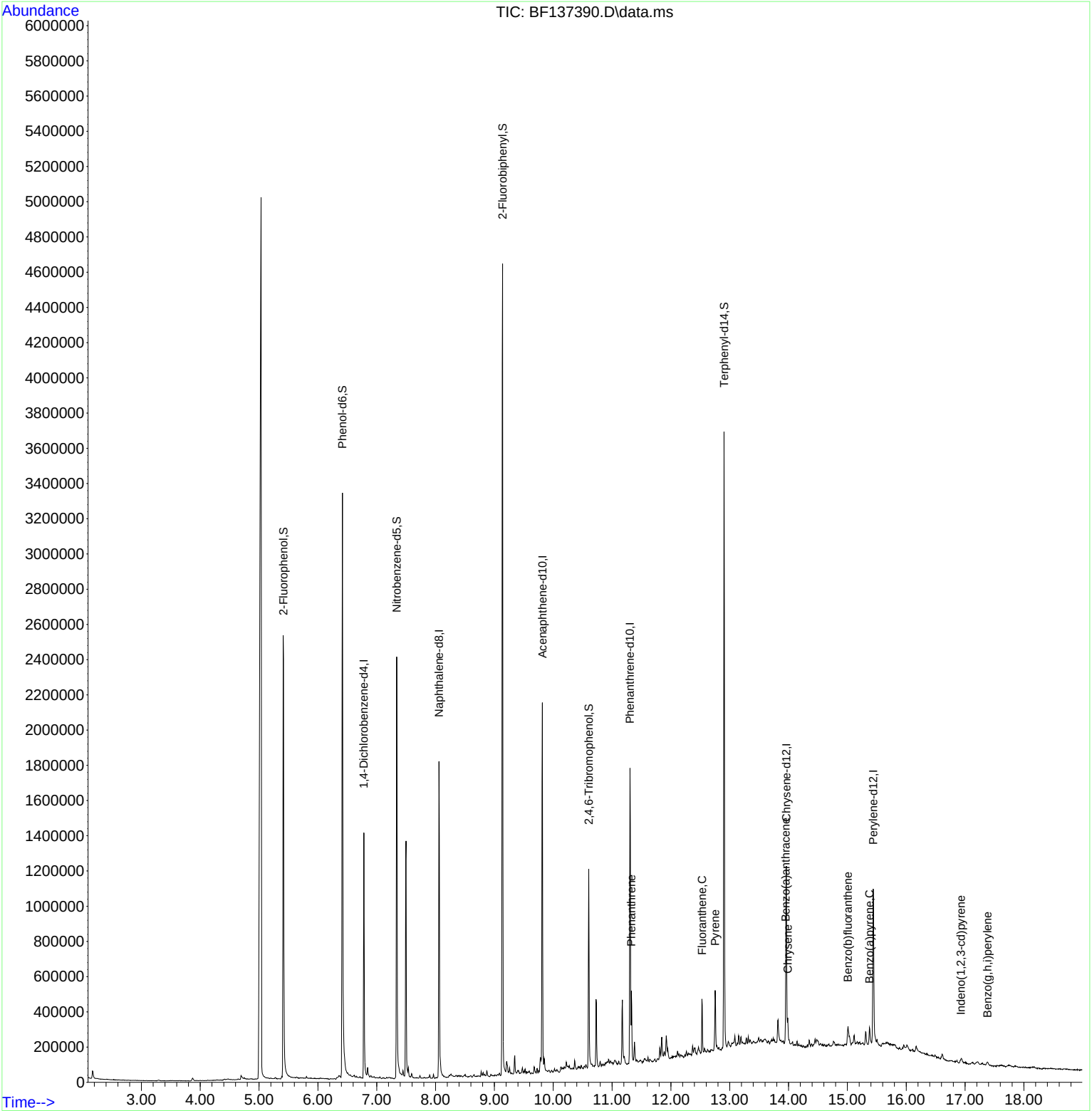
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022624\
Data File : BF137390.D
Acq On : 26 Feb 2024 17:35
Operator : CG\JU
Sample : P1538-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

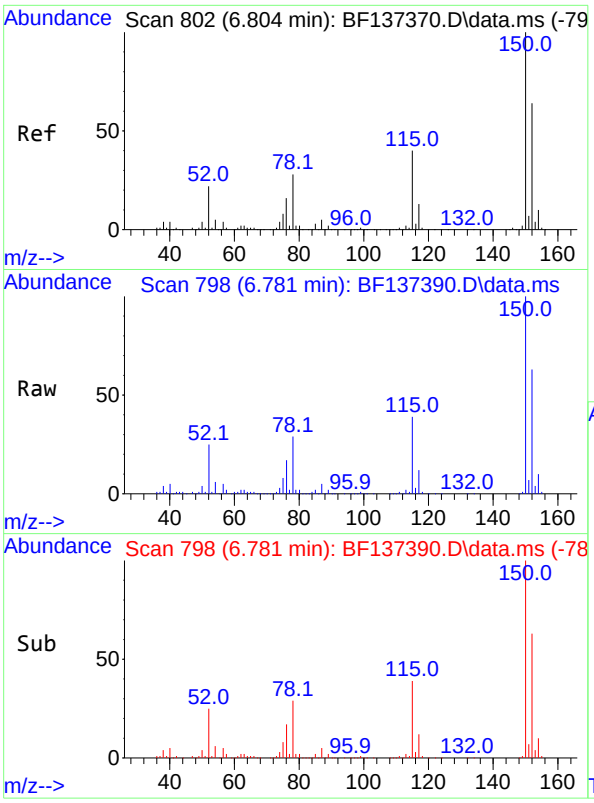
Quant Time: Feb 26 17:53:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 24 04:23:49 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

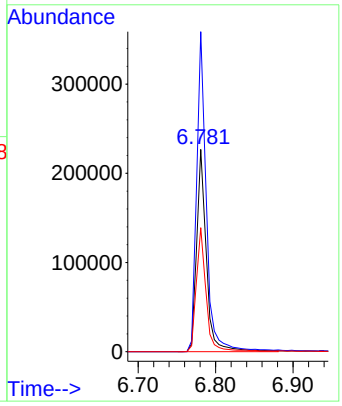




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:152 Resp: 19865

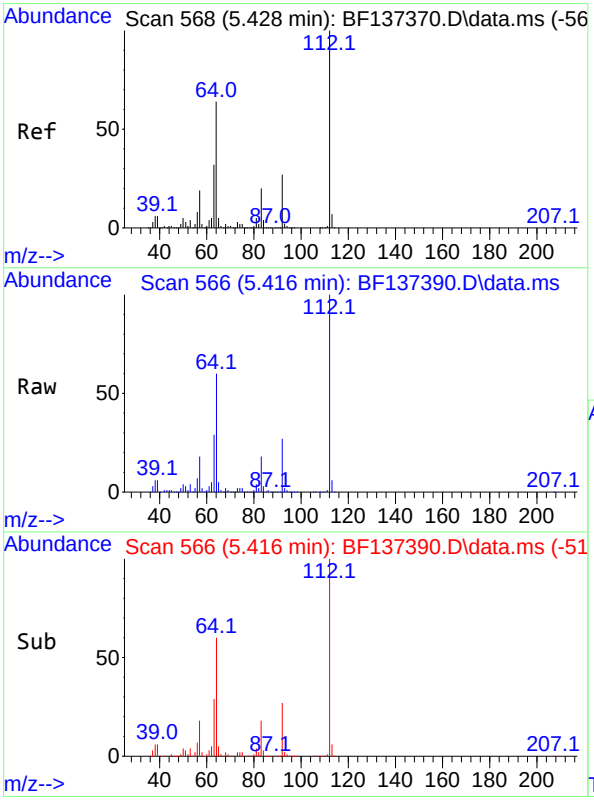
Ion	Ratio	Lower	Upper
152	100		
150	158.2	125.7	188.5
115	61.3	49.8	74.8



Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations
APPROVED

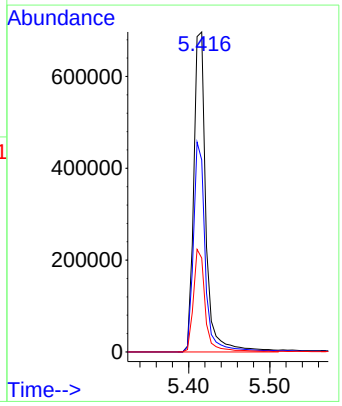
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

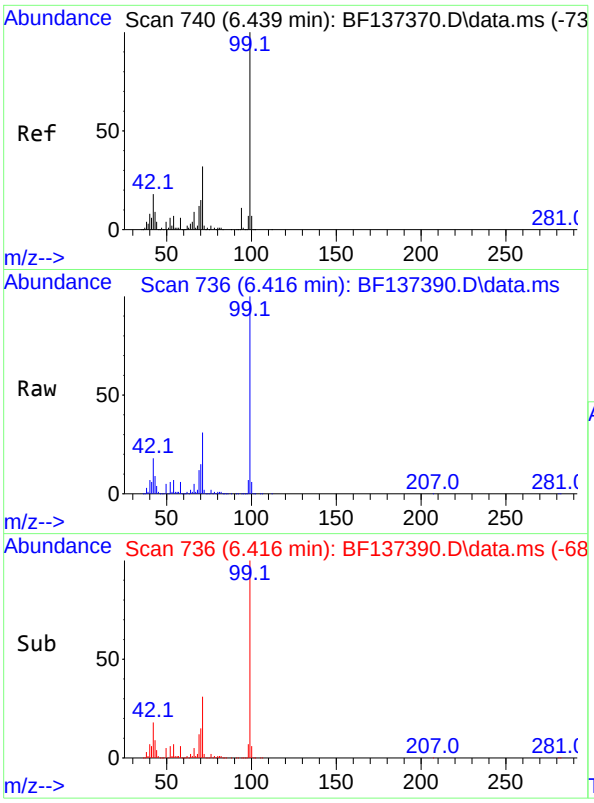


#5
2-Fluorophenol
Concen: 57.138 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:112 Resp: 735597

Ion	Ratio	Lower	Upper
112	100		
64	60.0	51.0	76.6
63	29.4	25.7	38.5

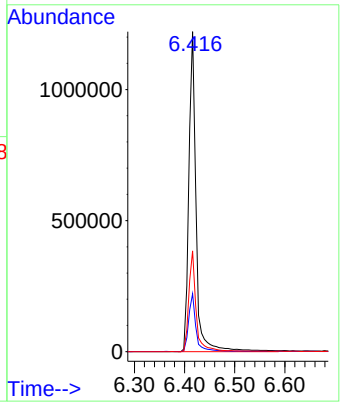




#7
Phenol-d6
Concen: 64.824 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion: 99 Resp: 122763

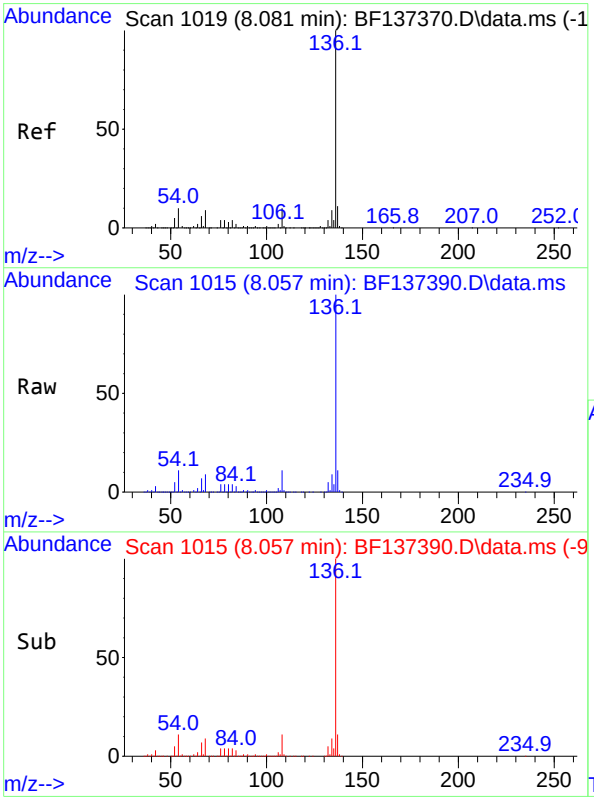
Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.2	21.4
71	31.5	25.2	37.8



Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations
APPROVED

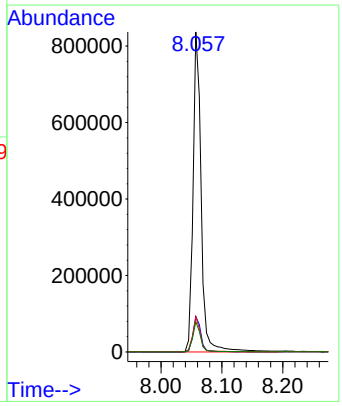
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

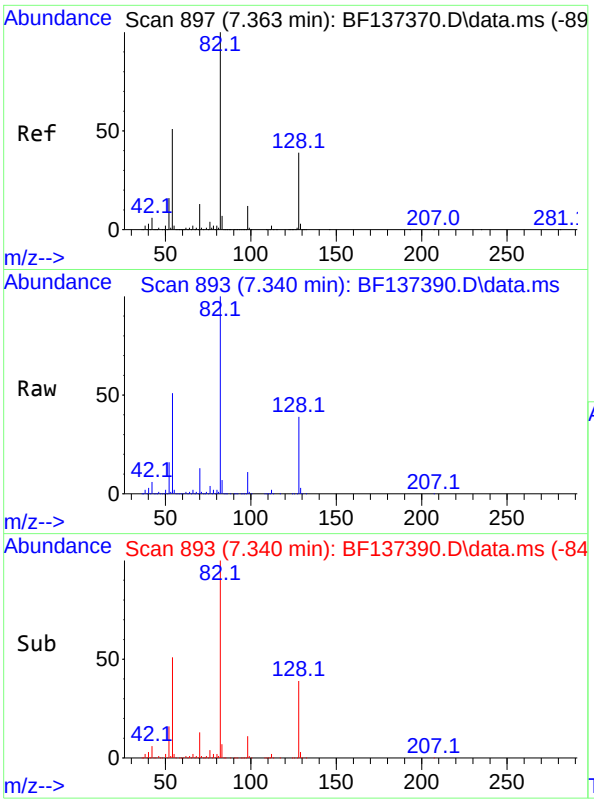


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:136 Resp: 780579

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	10.9	7.8	11.6
68	9.4	7.0	10.4





#23
Nitrobenzene-d5
Concen: 52.122 ng
RT: 7.340 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

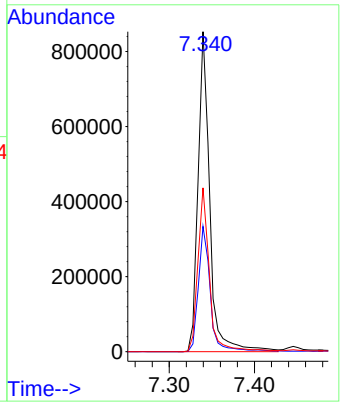
Tgt Ion: 82 Resp: 81493

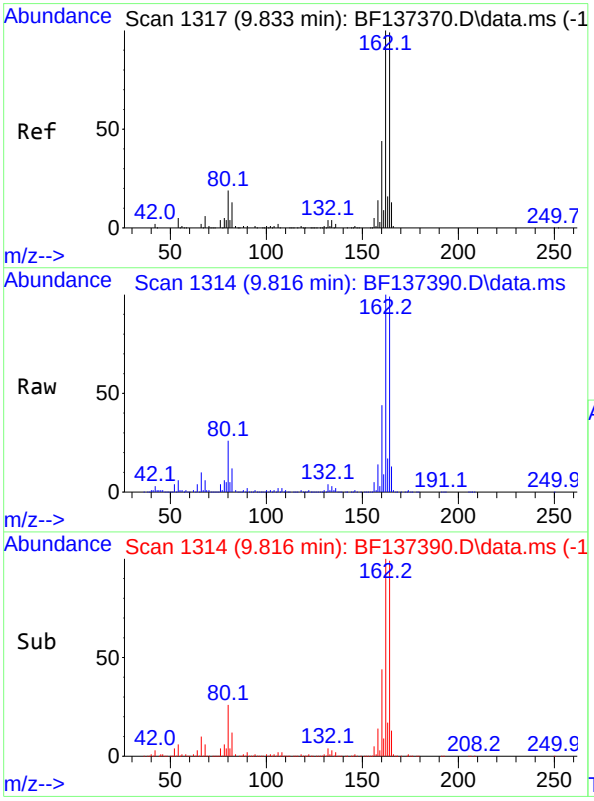
Ion	Ratio	Lower	Upper
82	100		
128	39.1	30.8	46.2
54	51.2	40.8	61.2

Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

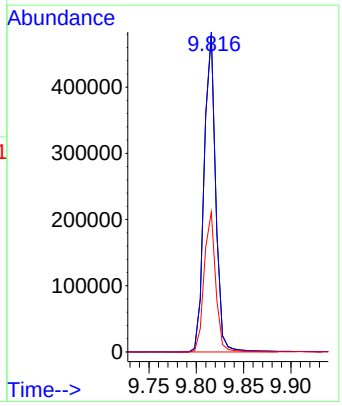


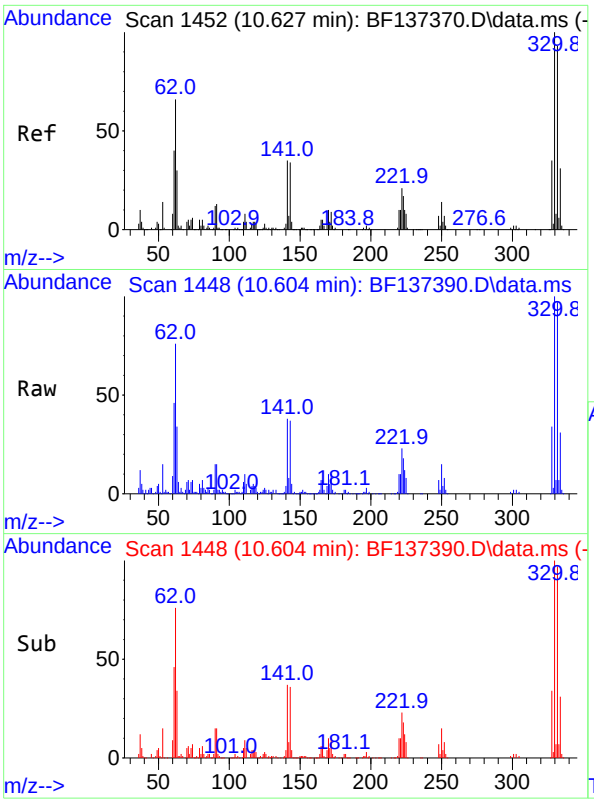


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:164 Resp: 405200

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.2	121.8
160	44.2	35.7	53.5

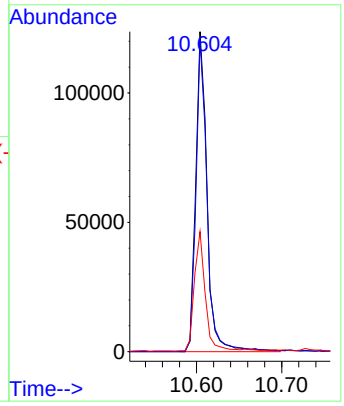




#42
2,4,6-Tribromophenol
Concen: 32.295 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:330 Resp: 11395

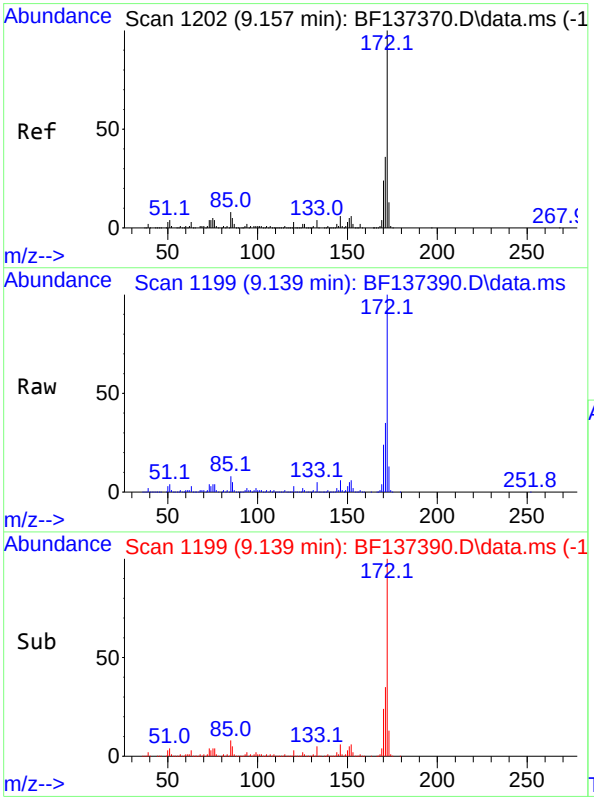
Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.6	113.4
141	35.9	28.6	42.8



Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations
APPROVED

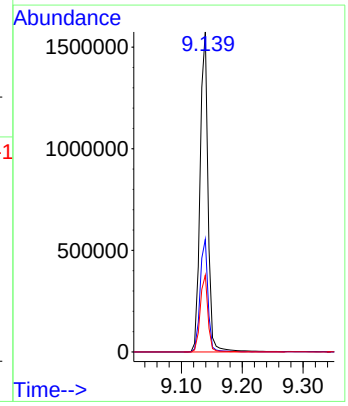
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

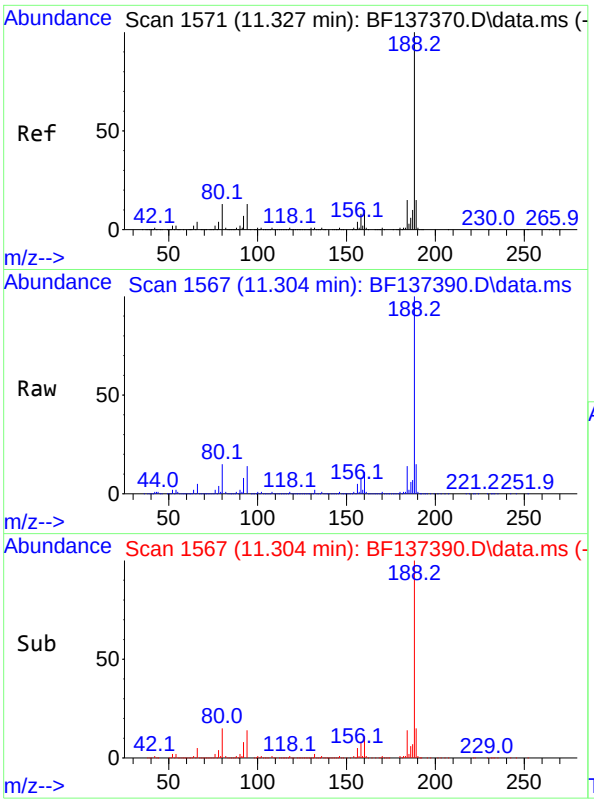


#45
2-Fluorobiphenyl
Concen: 55.085 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:172 Resp: 1433687

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.7	43.1
170	24.0	19.5	29.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

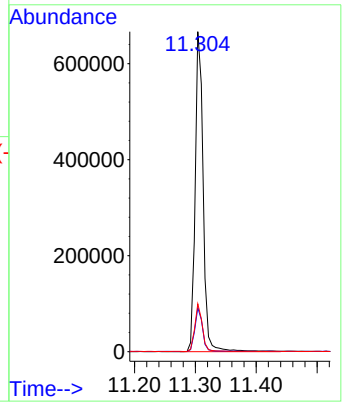
Tgt Ion:188 Resp: 60879

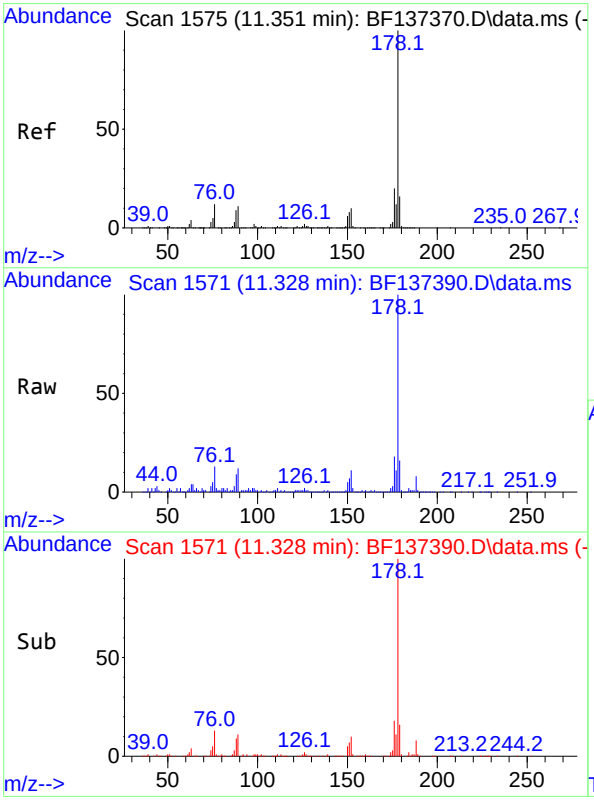
Ion	Ratio	Lower	Upper
188	100		
94	13.7	10.2	15.2
80	14.9	10.7	16.1

Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

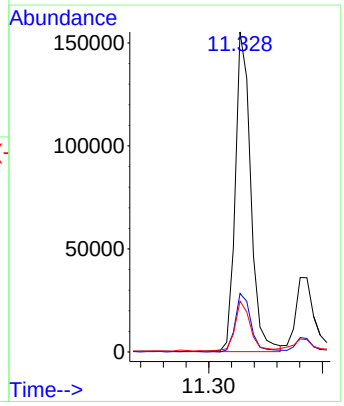


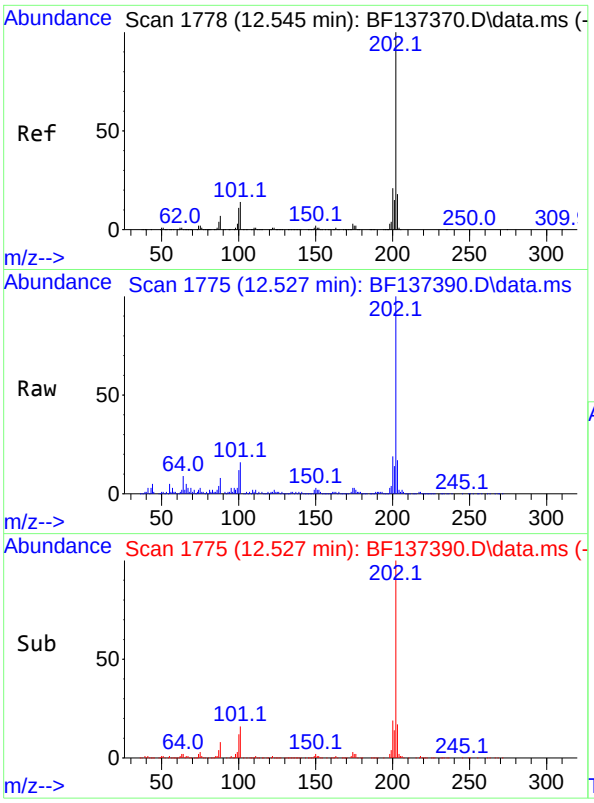


#71
Phenanthrene
Concen: 4.346 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.023 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:178 Resp: 145978

Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.2	24.4
179	15.9	12.7	19.1

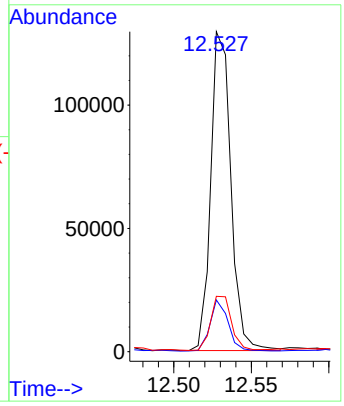




#75
Fluoranthene
Concen: 3.562 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:202 Resp: 11677

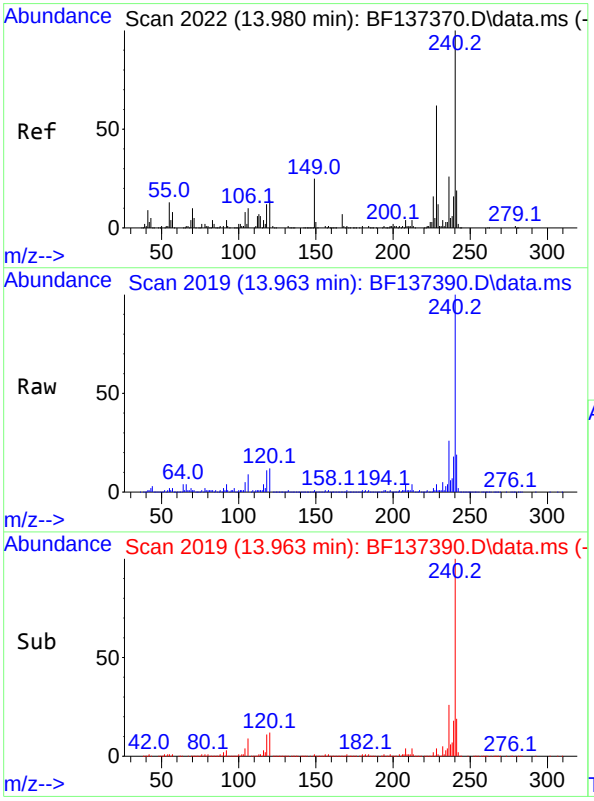
Ion	Ratio	Lower	Upper
202	100		
101	16.2	0.0	33.9
203	17.3	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations
APPROVED

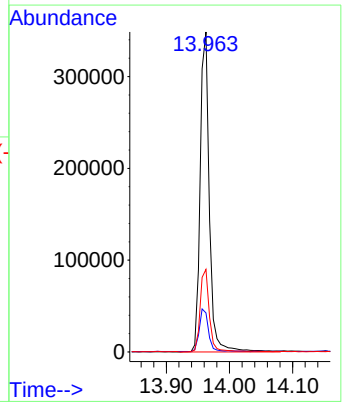
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

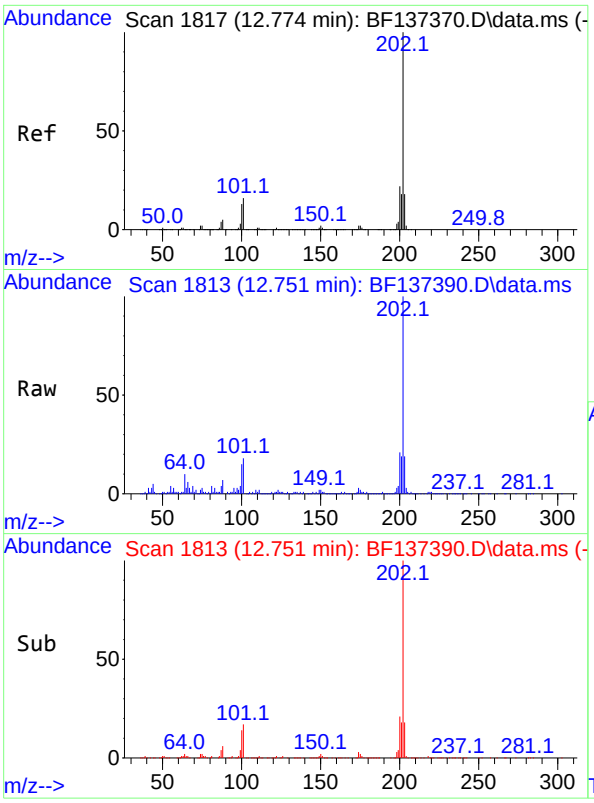


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:240 Resp: 350653

Ion	Ratio	Lower	Upper
240	100		
120	12.2	11.3	16.9
236	25.8	20.5	30.7

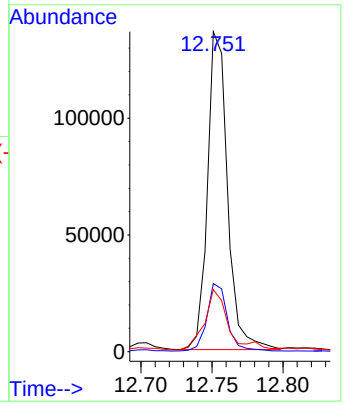




#78
Pyrene
Concen: 4.032 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:202 Resp: 13370

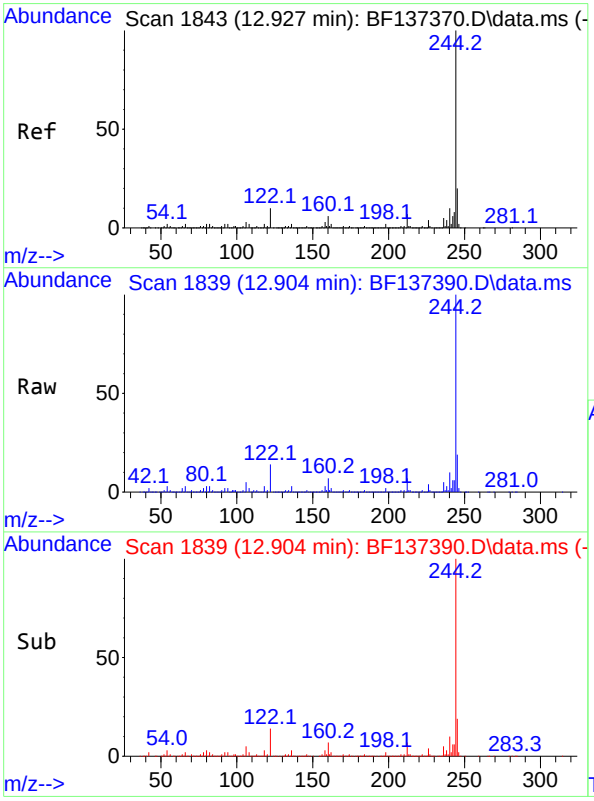
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	19.4	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations
APPROVED

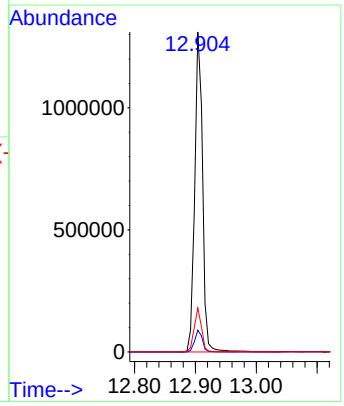
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

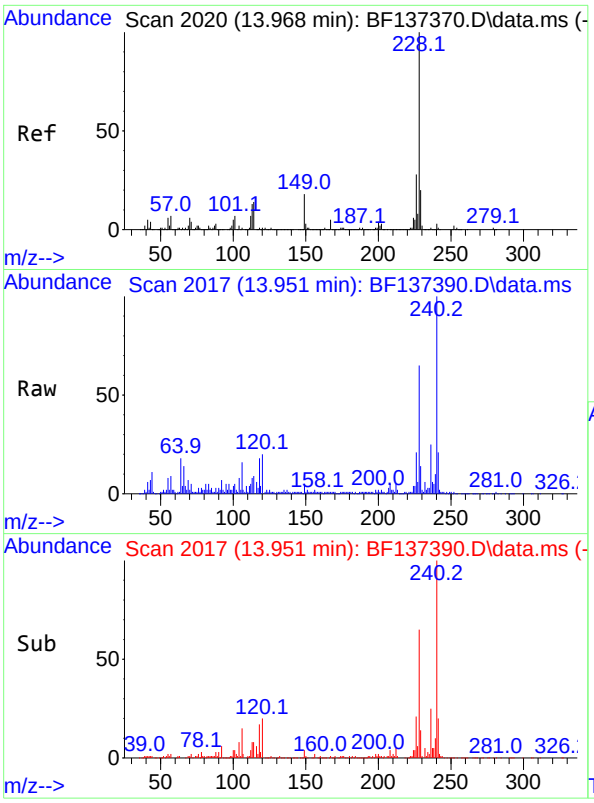


#79
Terphenyl-d14
Concen: 46.556 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.023 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:244 Resp: 1167169

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	13.8	8.2	12.4#

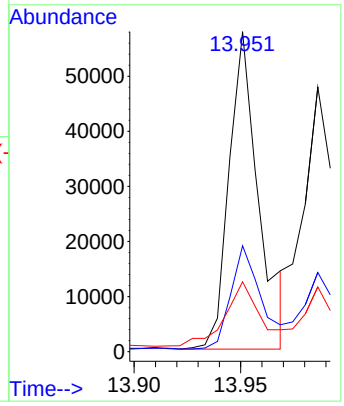




#81
Benzo(a)anthracene
Concen: 2.295 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:228 Resp: 5583

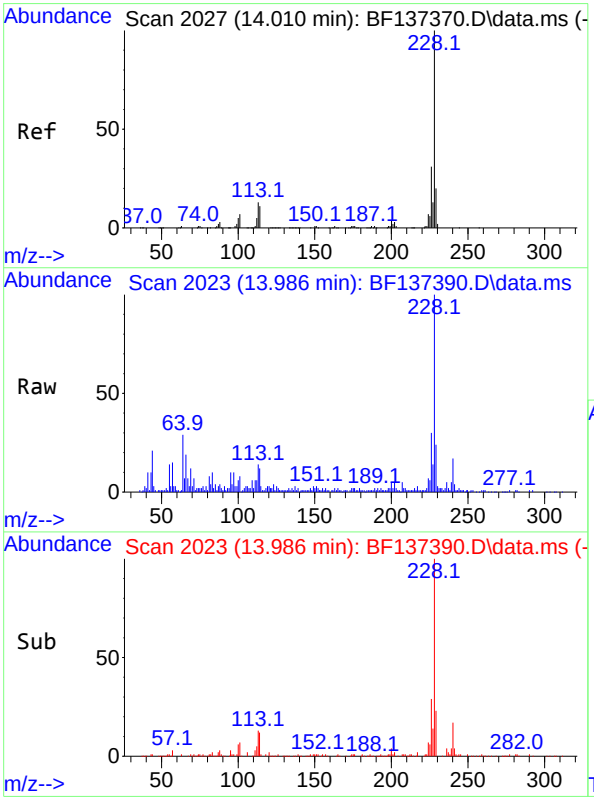
Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.1	33.1#
229	21.9	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations
APPROVED

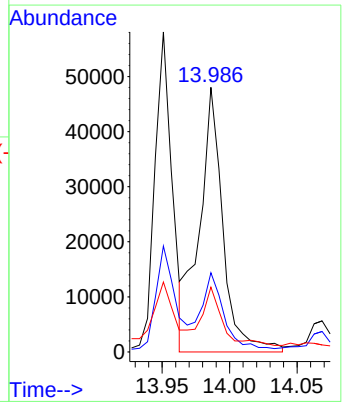
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

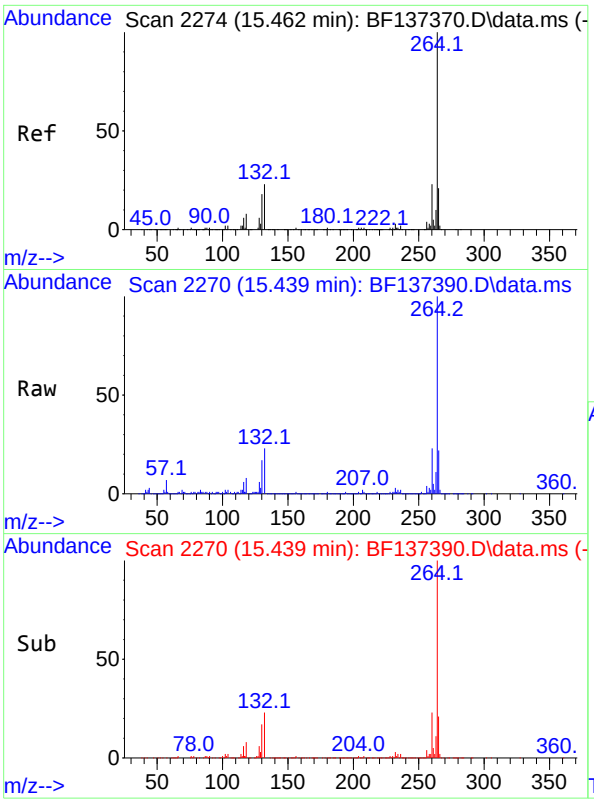


#83
Chrysene
Concen: 2.375 ng m
RT: 13.986 min Scan# 2023
Delta R.T. -0.023 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:228 Resp: 59026

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	24.5	15.8	23.8#

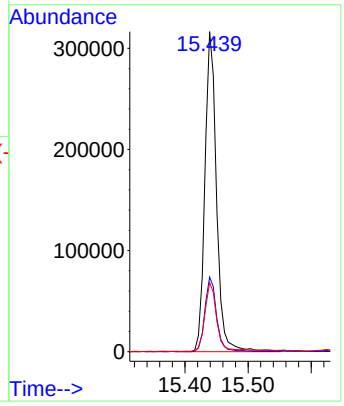




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:264 Resp: 40539

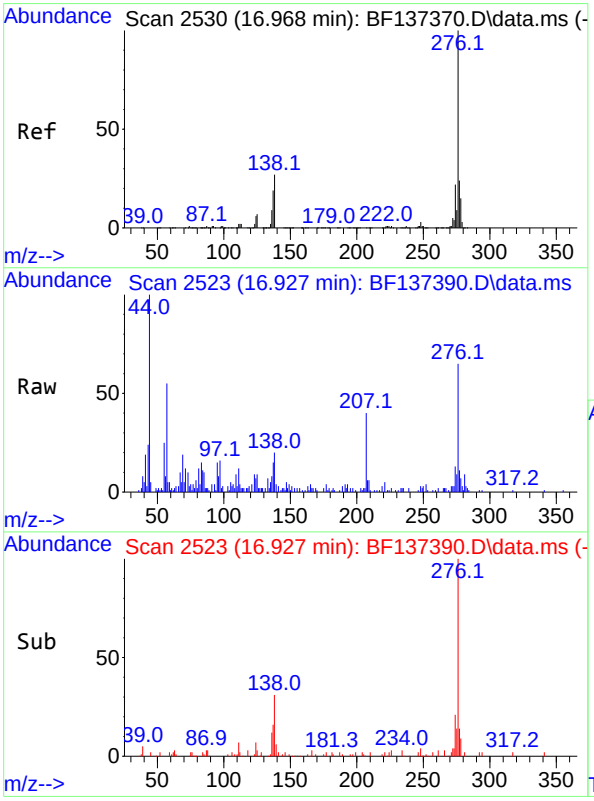
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.6	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations
APPROVED

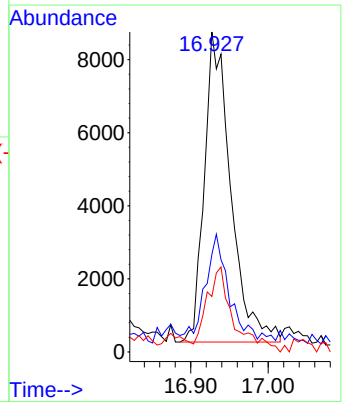
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

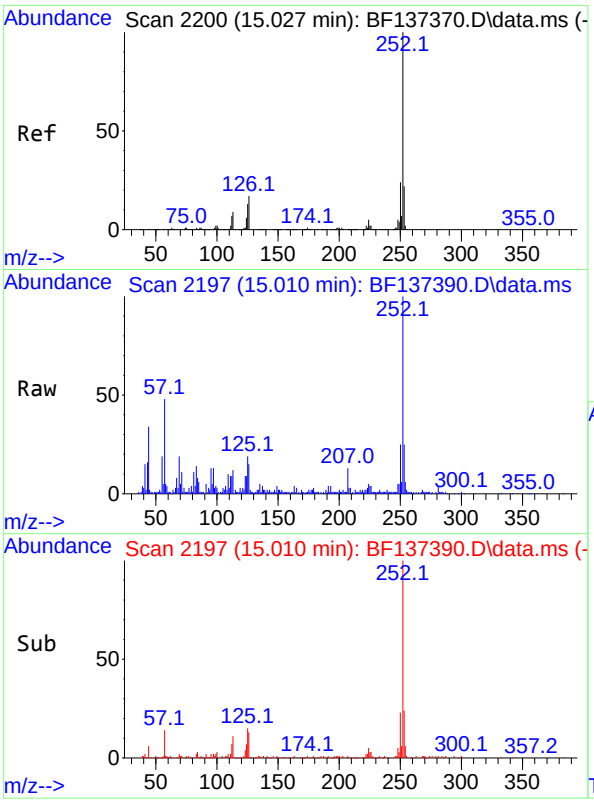


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.556 ng
RT: 16.927 min Scan# 2523
Delta R.T. -0.041 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:276 Resp: 20033

Ion	Ratio	Lower	Upper
276	100		
138	31.5	25.8	38.8
277	27.6	19.6	29.4

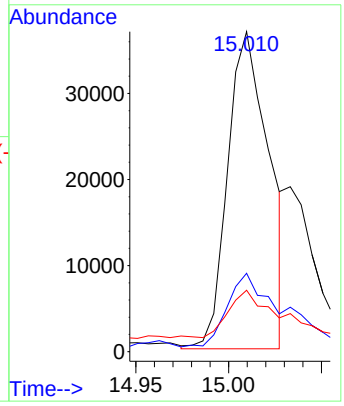




#88
Benzo(b)fluoranthene
Concen: 2.297 ng m
RT: 15.010 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:252 Resp: 5712

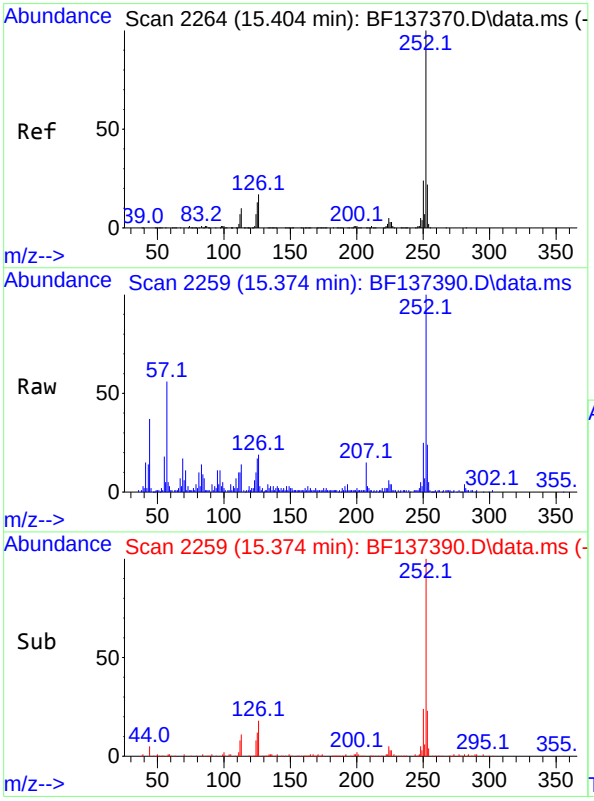
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.2
125	19.2	10.2	15.2#



Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations
APPROVED

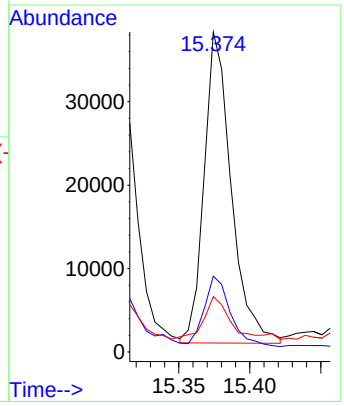
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

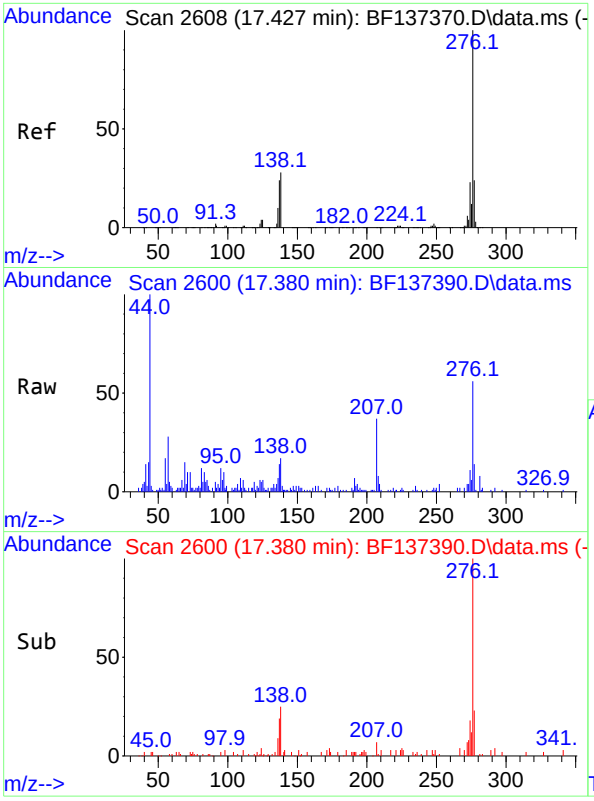


#90
Benzo(a)pyrene
Concen: 2.102 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.030 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:252 Resp: 49584

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	17.3	10.6	16.0#

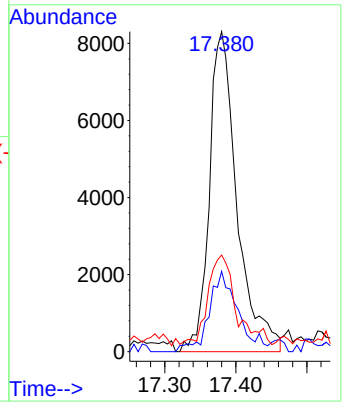




#92
Benzo(g,h,i)perylene
Concen: 2.975 ng
RT: 17.380 min Scan# 2
Delta R.T. -0.047 min
Lab File: BF137390.D
Acq: 26 Feb 2024 17:35

Tgt Ion:276 Resp: 2250

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.0	28.4
138	30.2	22.6	33.8



Instrument :
BNA_F
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024