Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080624\
Data File : BF138826.D
Acq On : 07 Aug 2024 01:34
Operator : RC/JU
Sample : P3441-01RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-08012024RE

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024

Quant Time: Aug 07 03:22:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.839	152	43161	20.000	ng		0.00
21) Naphthalene-d8	8.122	136	169060	20.000	ng		0.00
39) Acenaphthene-d10	9.869	164	81910	20.000	ng		-0.01
64) Phenanthrene-d10	11.357	188	117967	20.000	ng		-0.01
76) Chrysene-d12	13.998	240	84666	20.000	ng	#	0.00
86) Perylene-d12	15.456	264	70272	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	224499	80.292	ng		0.00
7) Phenol-d6	6.481	99	290025	77.258	ng		0.00
23) Nitrobenzene-d5	7.404	82	188401	54.485	ng		0.00
42) 2,4,6-Tribromophenol	10.663	330	47593	70.933	ng		0.00
45) 2-Fluorobiphenyl	9.192	172	334398	61.340	ng		-0.01
79) Terphenyl-d14	12.939	244	260805	51.574	ng		0.00
Target Compounds							Qvalue
75) Fluoranthene	12.568	202	20189	3.560	ng		96
78) Pyrene	12.798	202	24008	3.012	ng		97
81) Benzo(a)anthracene	13.986	228	12932	2.218	ng	#	92
83) Chrysene	14.021	228	12288	2.336	ng	#	92
88) Benzo(b)fluoranthene	15.033	252	14813m	3.400	ng		
90) Benzo(a)pyrene	15.398	252	10129	2.764	ng	#	92

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

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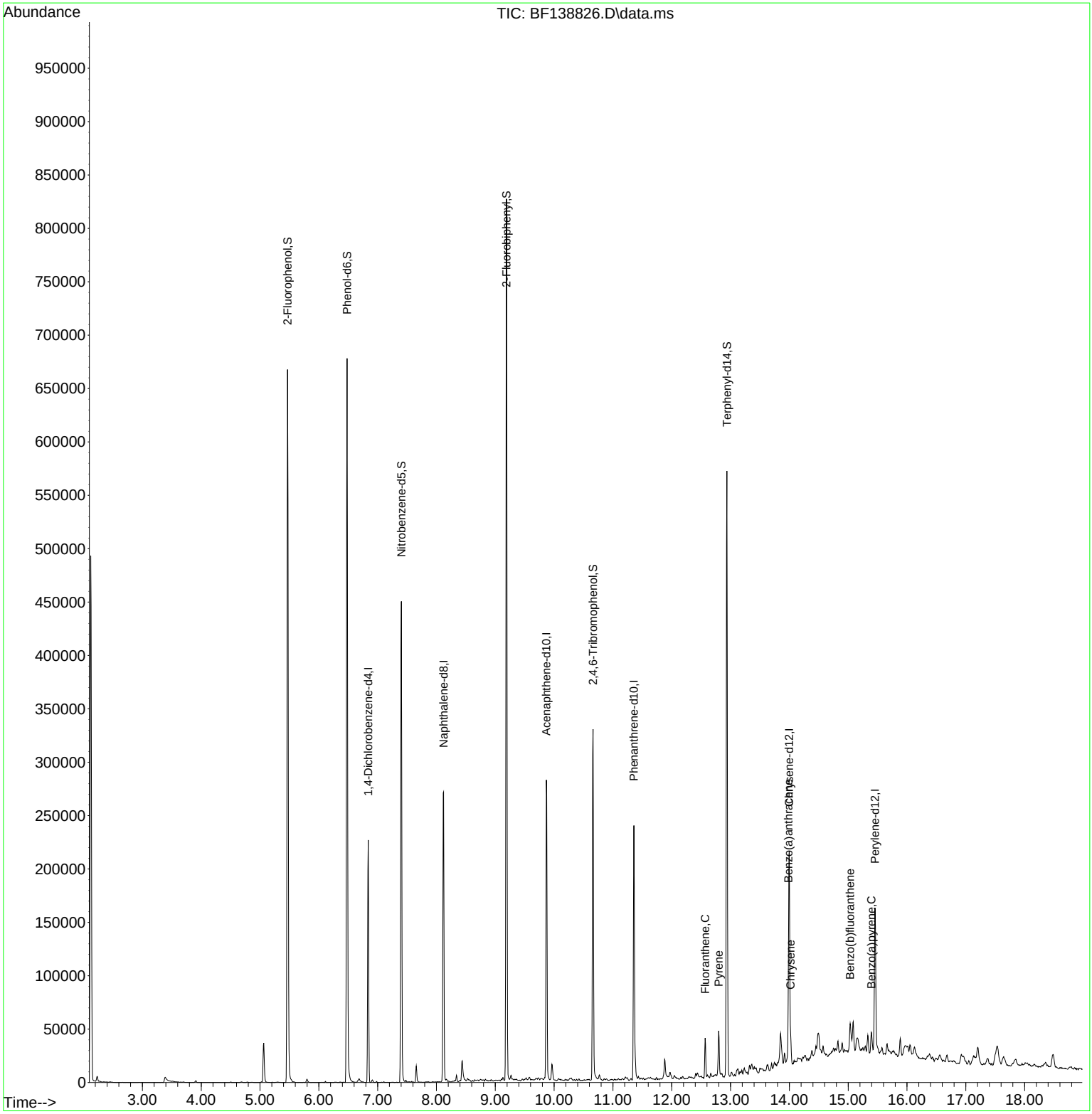

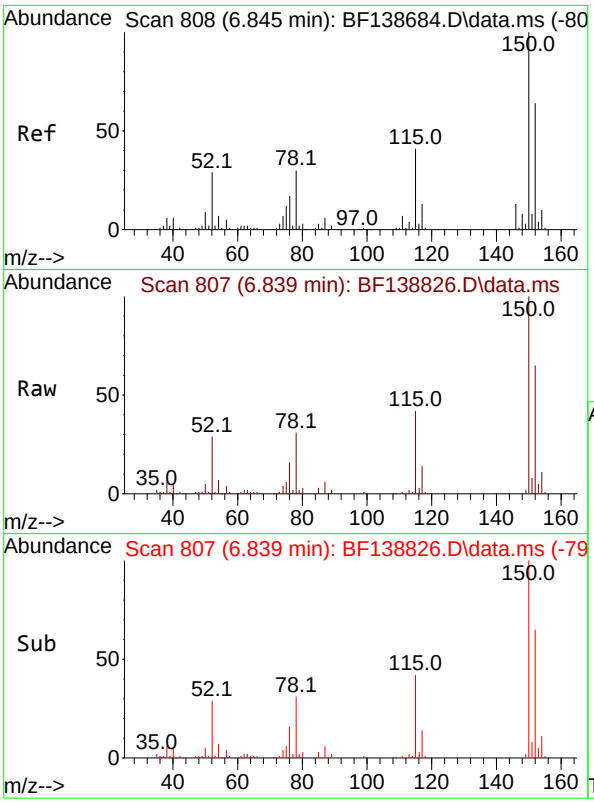

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:152 Resp: 4316

Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.0	189.0
115	64.3	51.7	77.5

Instrument :
BNA_F
ClientSampleId :
BU-02-08012024RE

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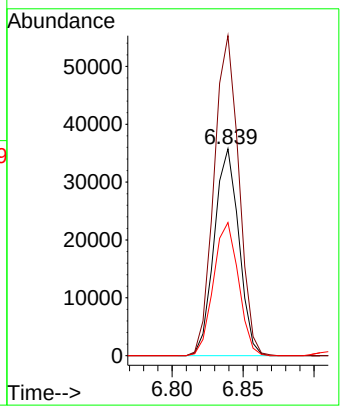
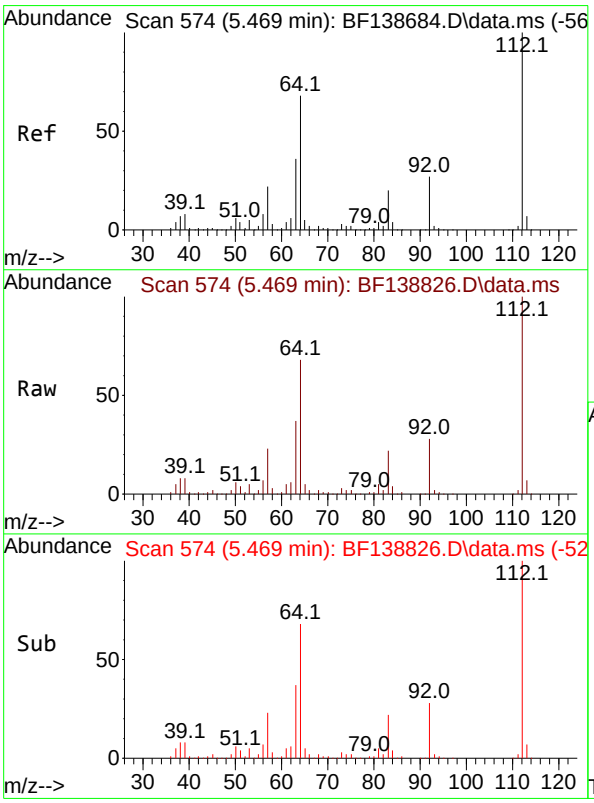
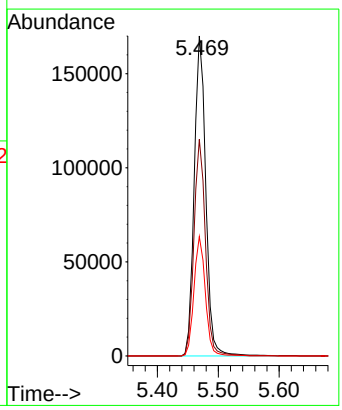


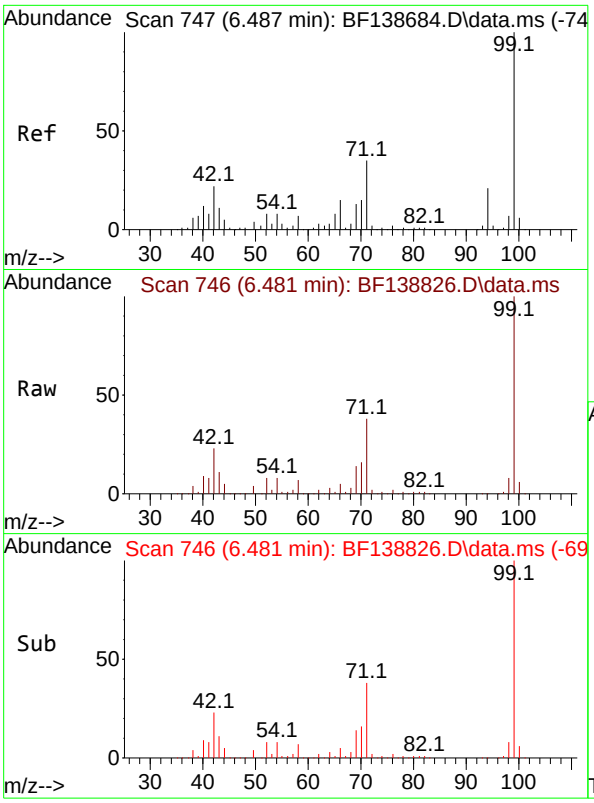


#5
2-Fluorophenol
Concen: 80.292 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:112 Resp: 224499

Ion	Ratio	Lower	Upper
112	100		
64	67.7	54.2	81.4
63	37.3	28.7	43.1





#7
Phenol-d6
Concen: 77.258 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion: 99 Resp: 29002

Ion	Ratio	Lower	Upper
99	100		
42	22.9	17.4	26.0
71	38.0	28.1	42.1

Instrument :
BNA_F
ClientSampleId :
BU-02-08012024RE

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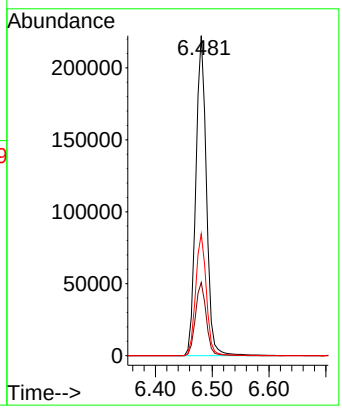
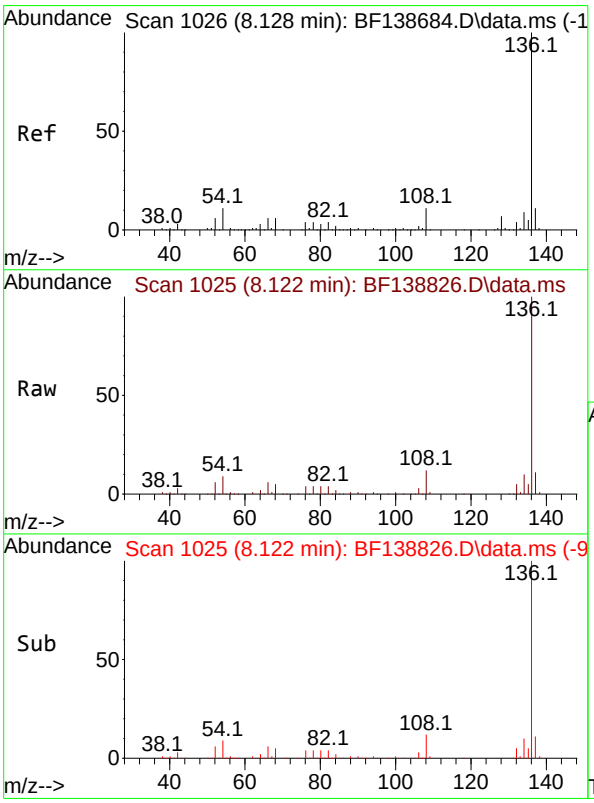
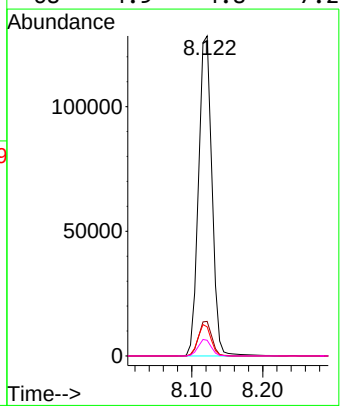


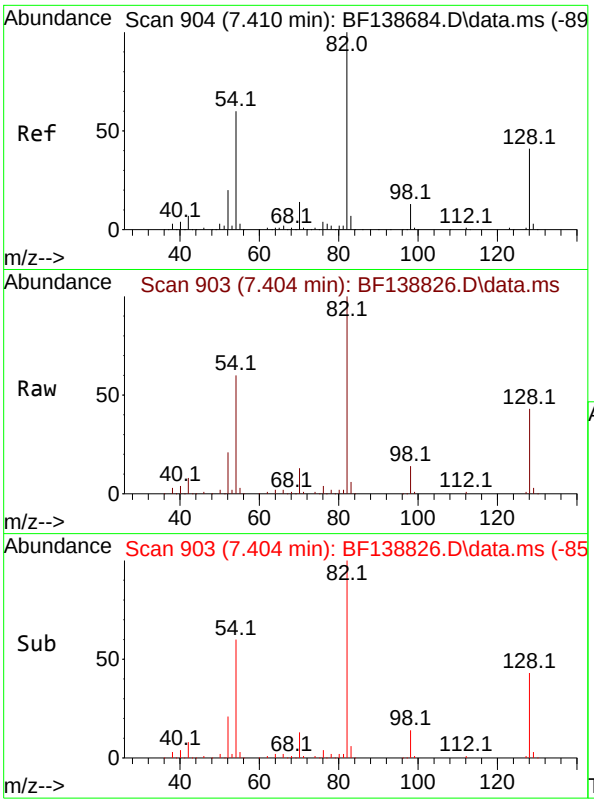


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:136 Resp: 169060

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.1	8.6	12.8
68	4.9	4.8	7.2





#23
Nitrobenzene-d5
Concen: 54.485 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion: 82 Resp: 18840

Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.8	49.2
54	60.3	48.3	72.5

Instrument :
BNA_F
ClientSampleId :
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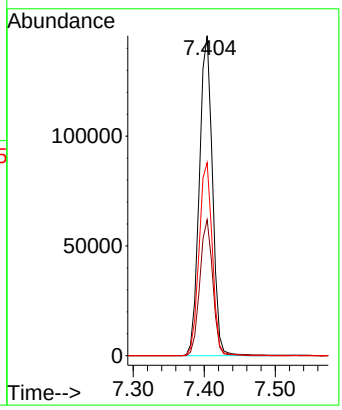
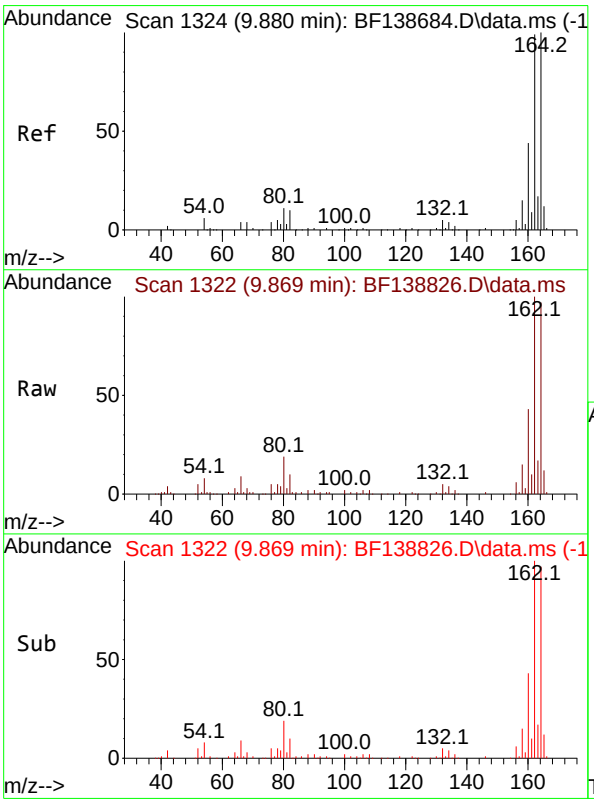
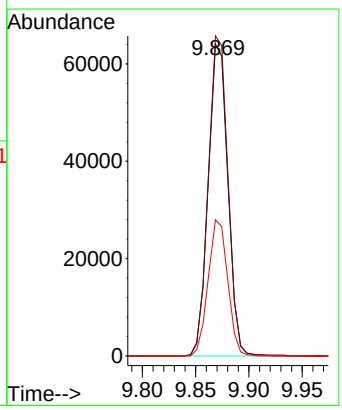


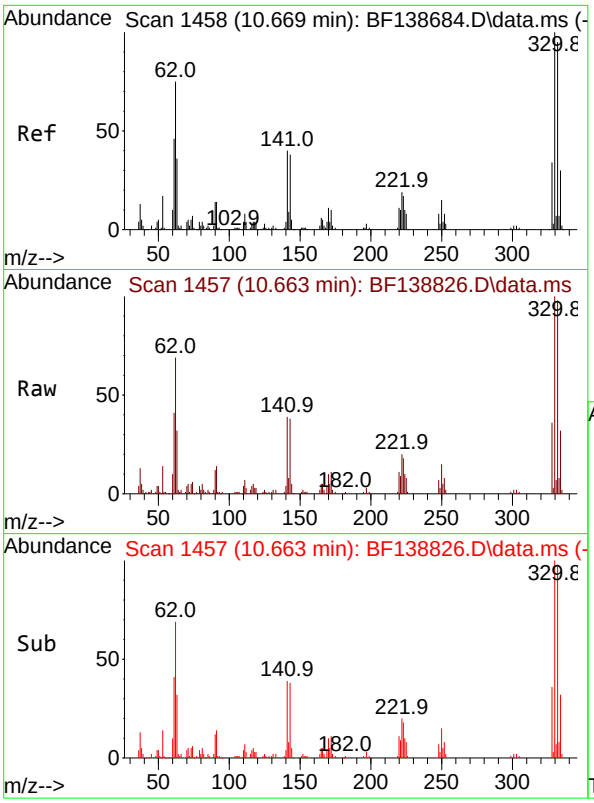


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:164 Resp: 81910

Ion	Ratio	Lower	Upper
164	100		
162	102.6	79.4	119.0
160	43.7	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 70.933 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Instrument :
BNA_F
ClientSampleId :
BU-02-08012024RE

Tgt Ion:330 Resp: 4759

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.4	114.6
141	41.5	31.1	46.7

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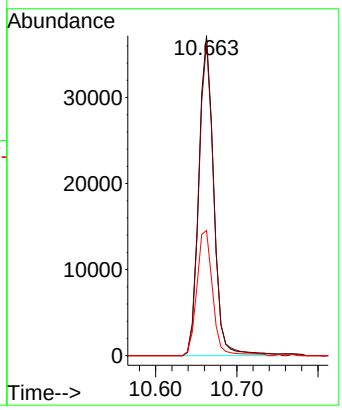
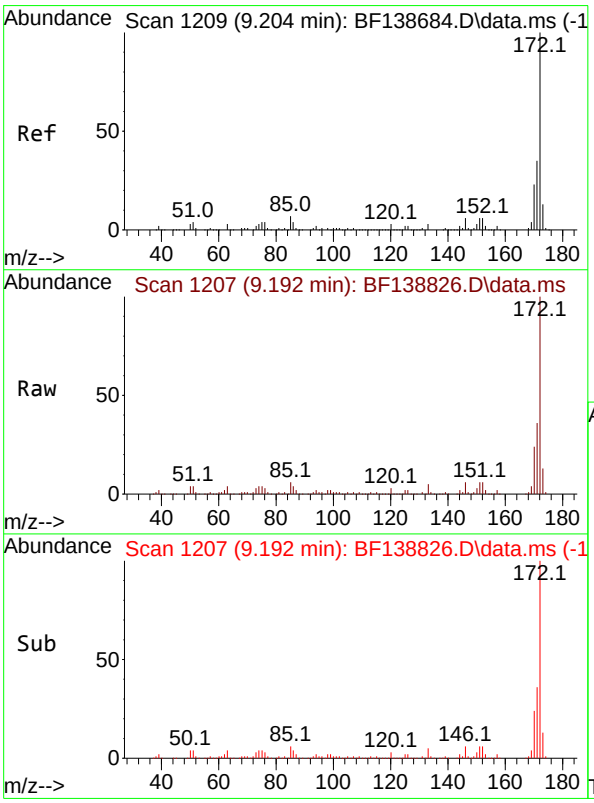
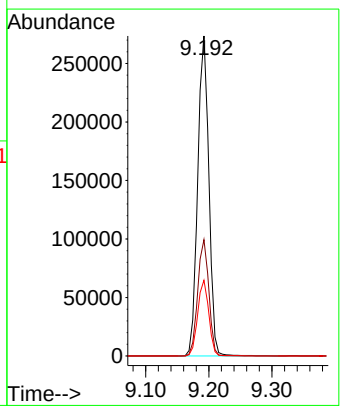


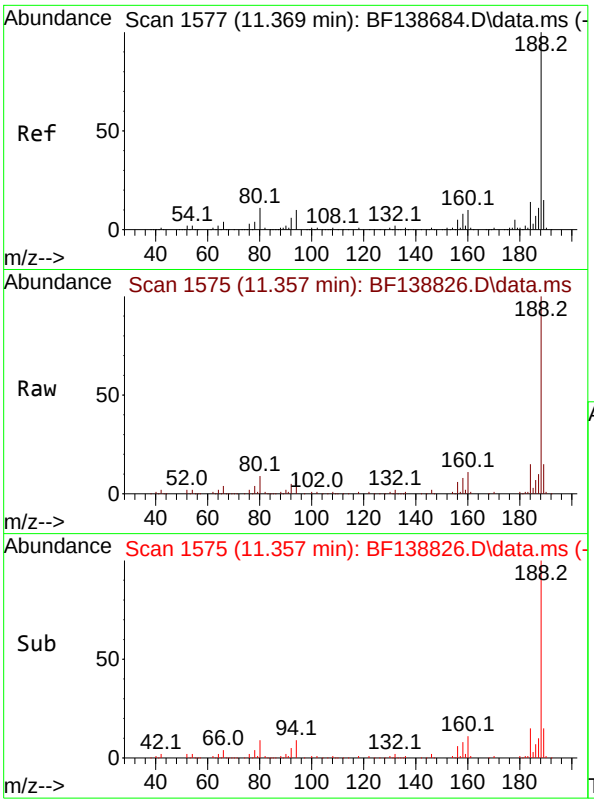


#45
2-Fluorobiphenyl
Concen: 61.340 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:172 Resp: 334398

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.3	42.5
170	23.6	18.8	28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:188 Resp: 11796

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.6	11.4
80	9.5	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
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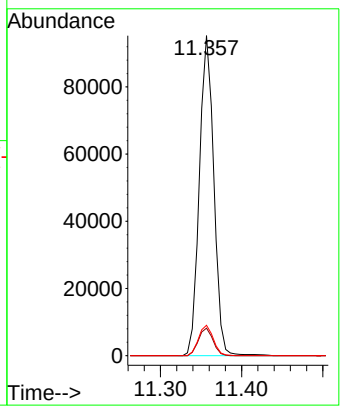
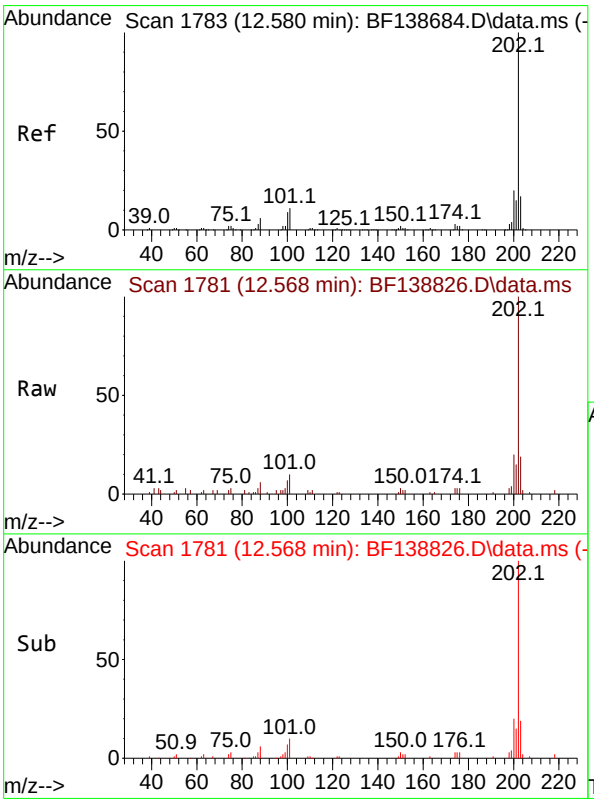
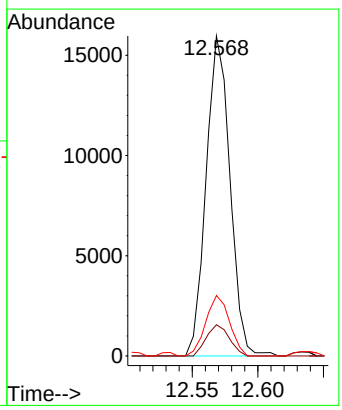


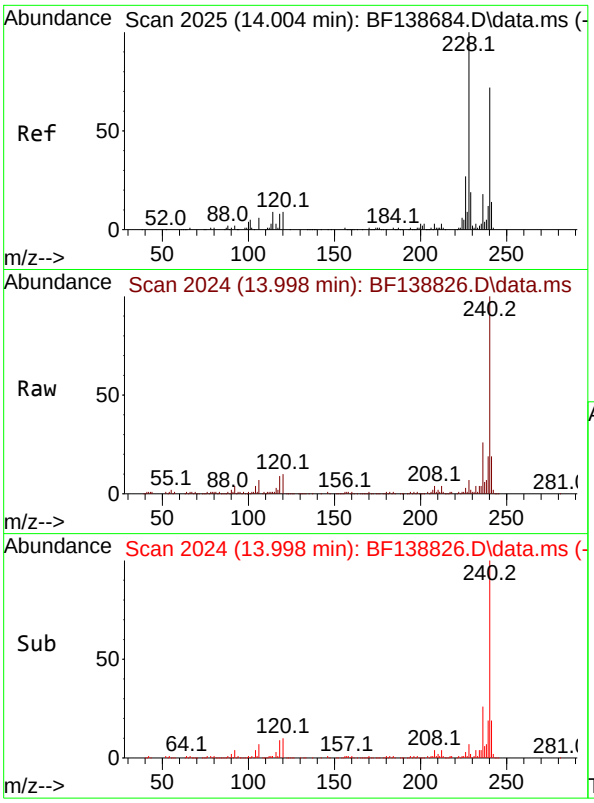


#75
Fluoranthene
Concen: 3.560 ng
RT: 12.568 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:202 Resp: 20189

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.2
203	18.9	0.0	37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Instrument :
BNA_F
ClientSampleId :
BU-02-08012024RE

Tgt Ion:240 Resp: 8466(

Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.2	15.4
236	25.6	19.8	29.8

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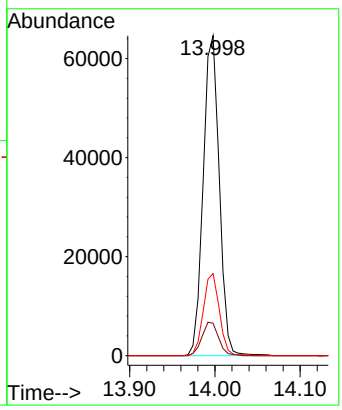
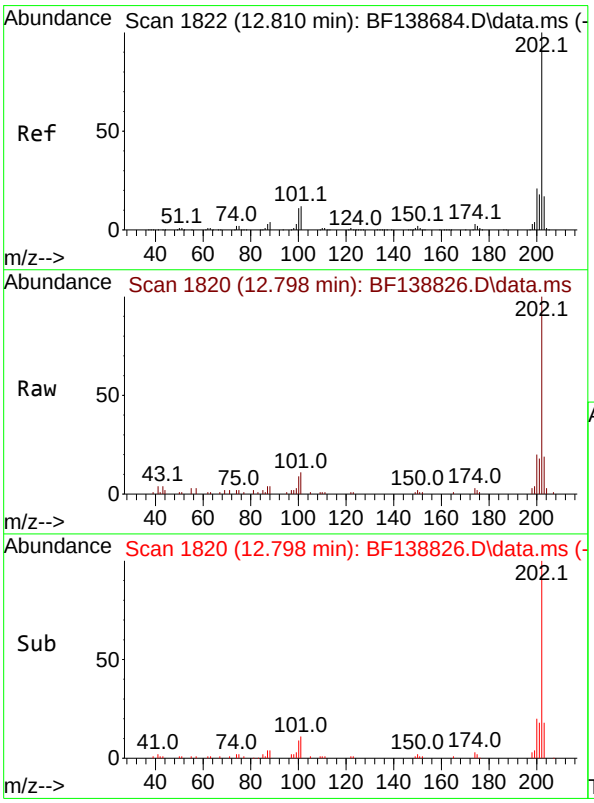
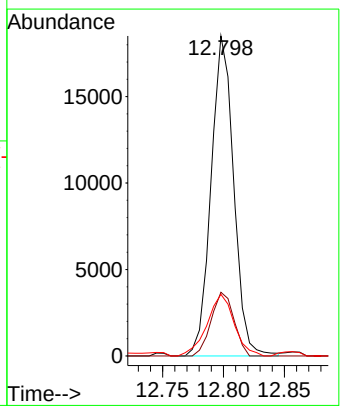


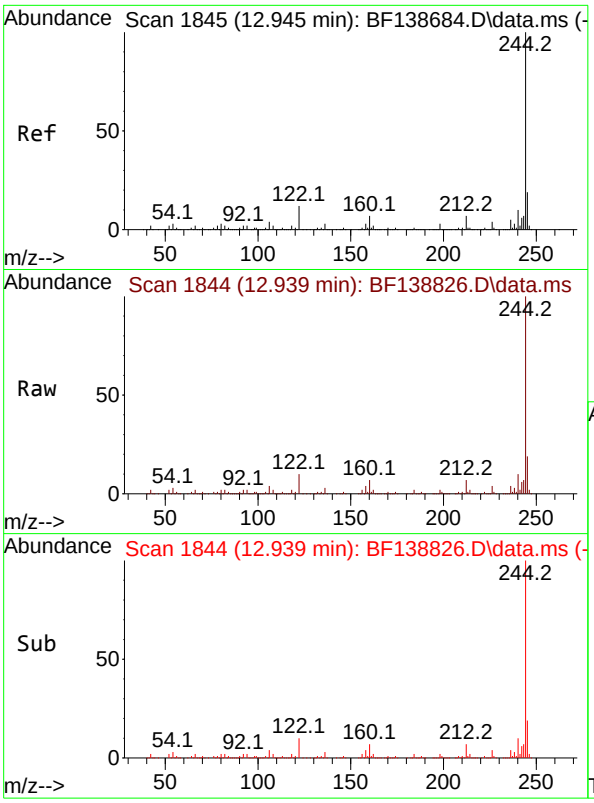


#78
Pyrene
Concen: 3.012 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:202 Resp: 24008

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.8	25.2
203	19.2	13.8	20.6





#79
Terphenyl-d14
Concen: 51.574 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:244 Resp: 26080

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.1	9.6	14.4

Instrument :
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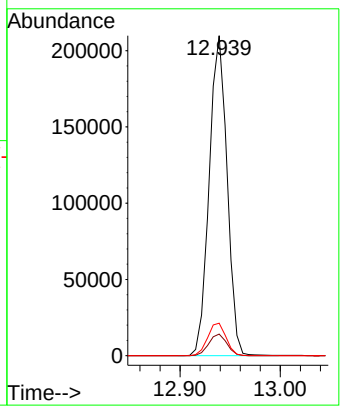
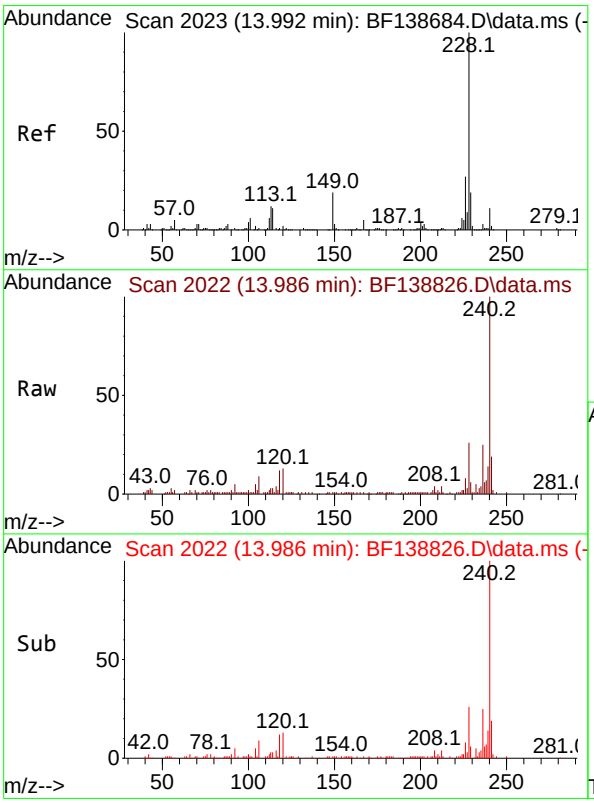
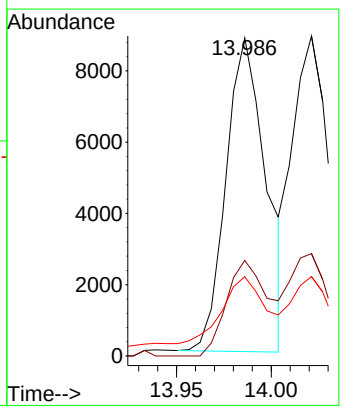


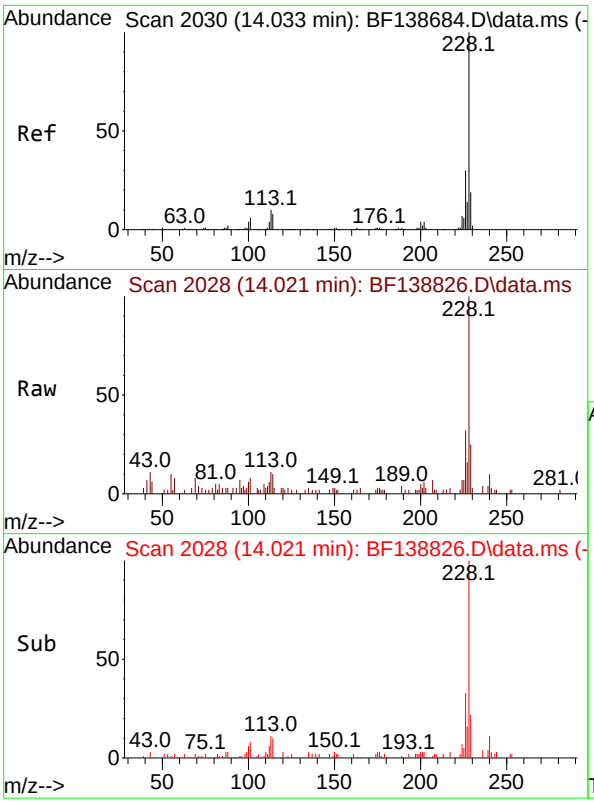


#81
Benzo(a)anthracene
Concen: 2.218 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:228 Resp: 12932

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.1	33.1
229	24.9	15.4	23.0#





#83
Chrysene
Concen: 2.336 ng
RT: 14.021 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:228 Resp: 1228

Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.7	35.5
229	24.8	15.0	22.6

Instrument :
BNA_F
ClientSampleId :
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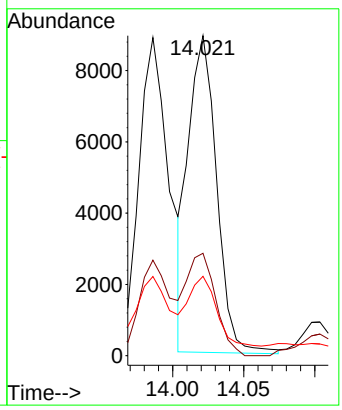
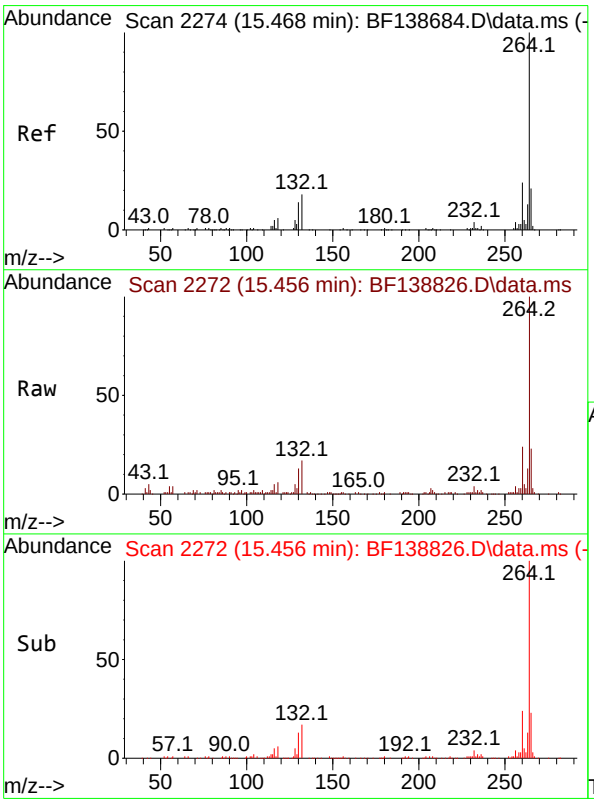
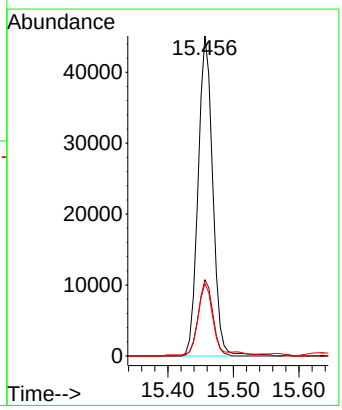


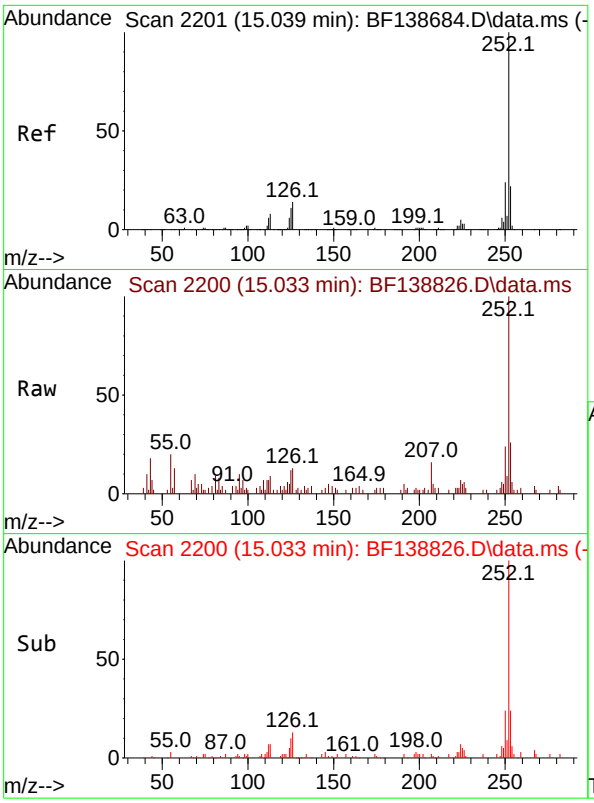


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.456 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:264 Resp: 70272

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	22.6	17.0	25.6





#88
Benzo(b)fluoranthene
Concen: 3.400 ng m
RT: 15.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

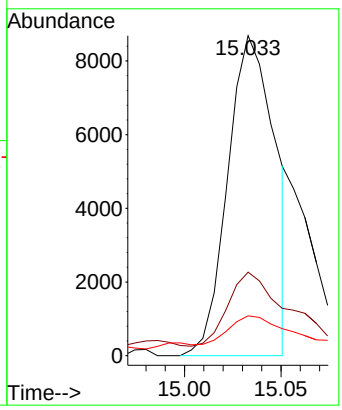
Tgt Ion:252 Resp: 1481

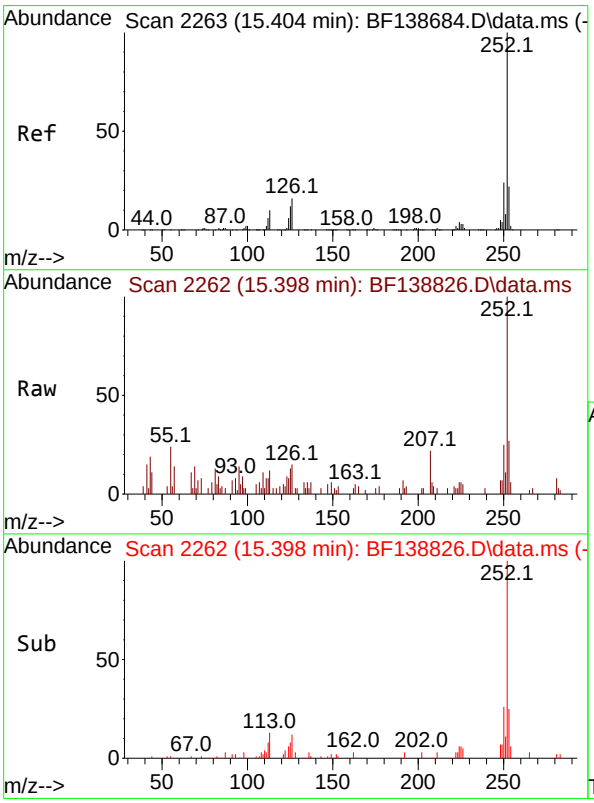
Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.5	26.3
125	12.5	8.9	13.3

Instrument :
BNA_F
ClientSampleId :
BU-02-08012024RE

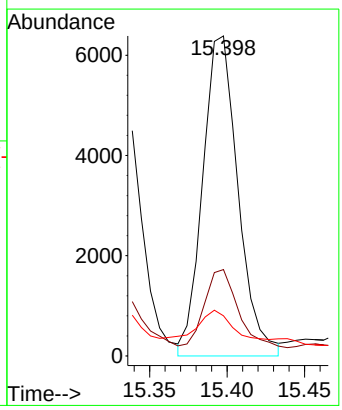
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024





#90
Benzo(a)pyrene
Concen: 2.764 ng
RT: 15.398 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:252 Resp: 10129

Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.3	25.9#
125	12.5	9.5	14.3