

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135825.D
 Acq On : 17 Oct 2023 22:03
 Operator : CG\JU
 Sample : 04878-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 283

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

Quant Time: Oct 18 02:03:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	82838	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	284157	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	117896	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	190715	20.000	ng	0.00
76) Chrysene-d12	13.945	240	173361	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	156033	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	471698	91.549	ng	0.00
7) Phenol-d6	6.393	99	572733	89.089	ng	0.00
23) Nitrobenzene-d5	7.304	82	341132	66.027	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	100569	88.896	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	496987	65.909	ng	-0.01
79) Terphenyl-d14	12.869	244	439692	46.970	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.298	178	85530	9.362	ng	# 95
75) Fluoranthene	12.498	202	181810	17.930	ng	98
78) Pyrene	12.733	202	160825	11.674	ng	98
81) Benzo(a)anthracene	13.933	228	73749	6.477	ng	95
83) Chrysene	13.969	228	88232	8.000	ng	# 96
84) Bis(2-ethylhexyl)phtha...	13.916	149	178828	21.795	ng	# 96
85) Di-n-octyl phthalate	14.539	149	48468	3.725	ng	# 70
87) Indeno(1,2,3-cd)pyrene	16.951	276	31288	3.680	ng	95
88) Benzo(b)fluoranthene	14.998	252	92349m	10.575	ng	
89) Benzo(k)fluoranthene	15.027	252	31052m	3.663	ng	
90) Benzo(a)pyrene	15.374	252	50273	6.122	ng	# 62
92) Benzo(g,h,i)perylene	17.415	276	33834	4.726	ng	95

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

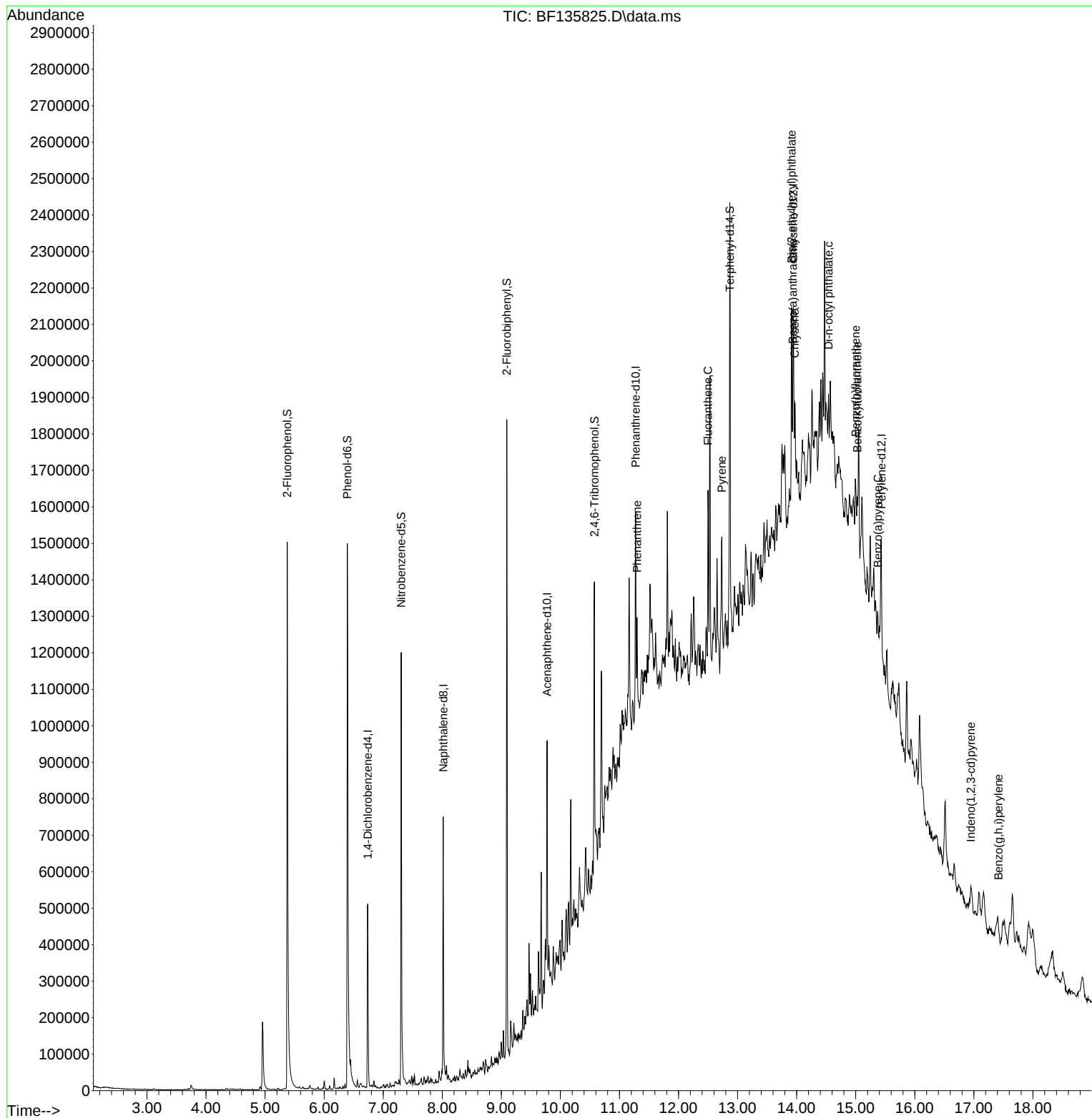
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
Data File : BF135825.D
Acq On : 17 Oct 2023 22:03
Operator : CG\JU
Sample : 04878-05
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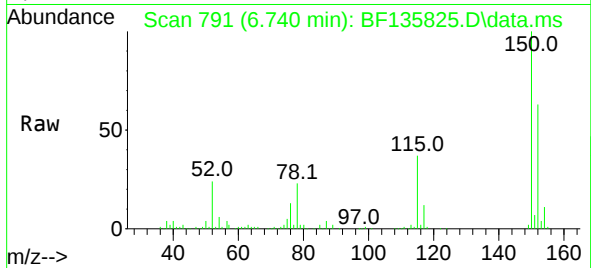
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

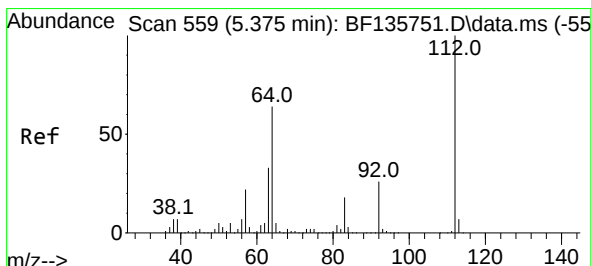
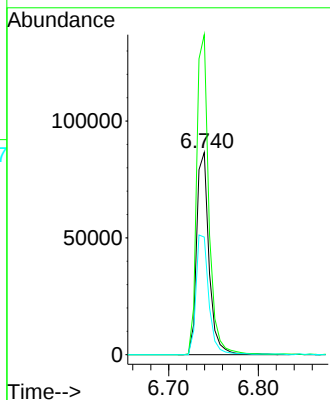
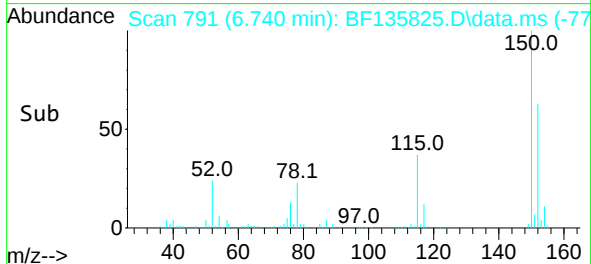
Instrument :
BNA_F
ClientSampleId :
283



Tgt Ion:152 Resp: 82838
Ion Ratio Lower Upper
152 100
150 158.2 124.5 186.7
115 58.2 49.0 73.4

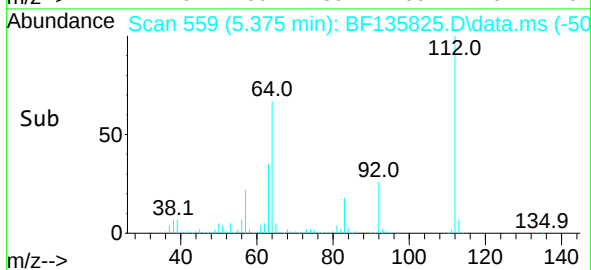
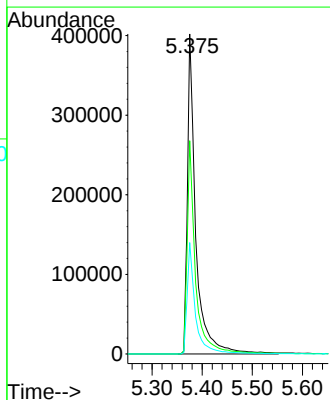
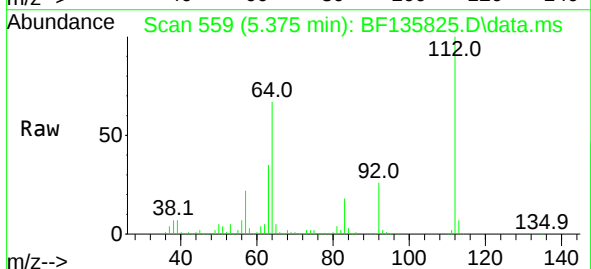
Manual Integrations
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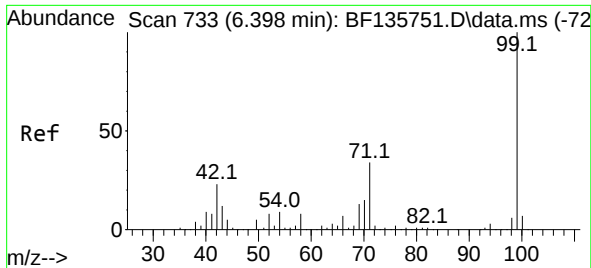
Reviewed By :Yogesh Patel 10/18/2023
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#5
2-Fluorophenol
Concen: 91.549 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.000 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

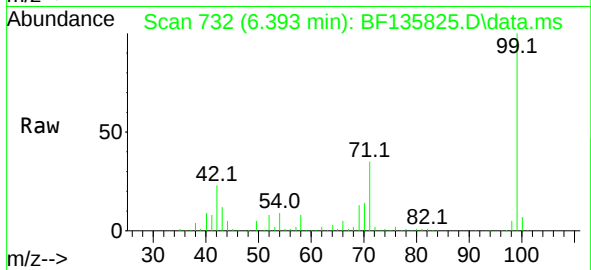
Tgt Ion:112 Resp: 471698
Ion Ratio Lower Upper
112 100
64 66.7 51.2 76.8
63 34.8 26.1 39.1





#7
Phenol-d6
Concen: 89.089 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

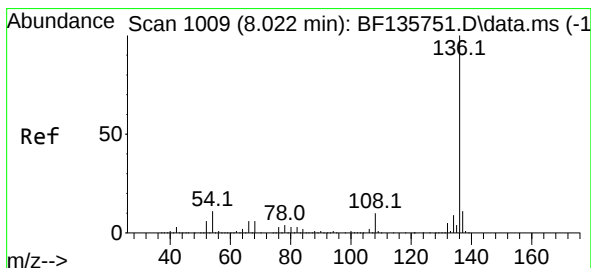
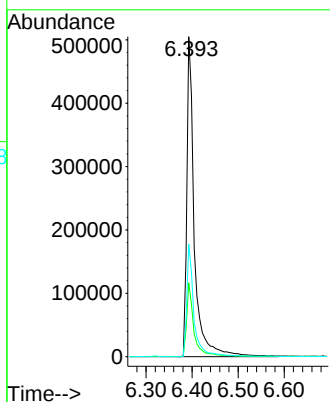
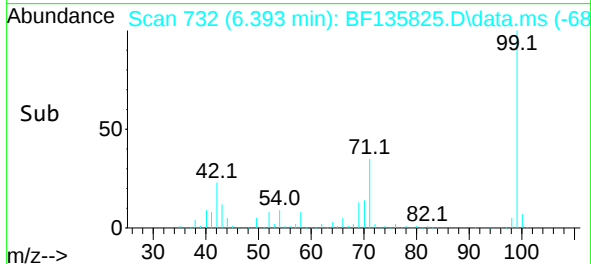
Instrument :
BNA_F
ClientSampleId :
283



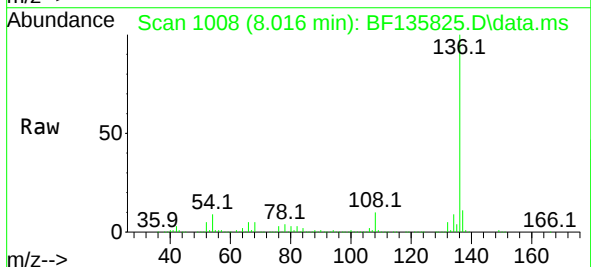
Tgt Ion: 99 Resp: 57273
Ion Ratio Lower Upper
99 100
42 23.1 18.4 27.6
71 35.1 27.2 40.8

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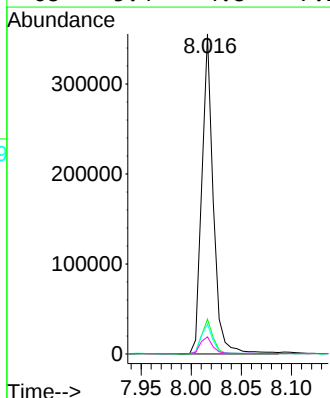
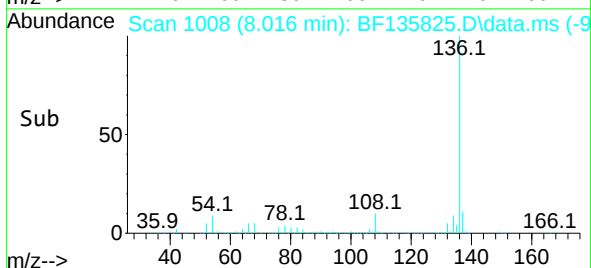
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

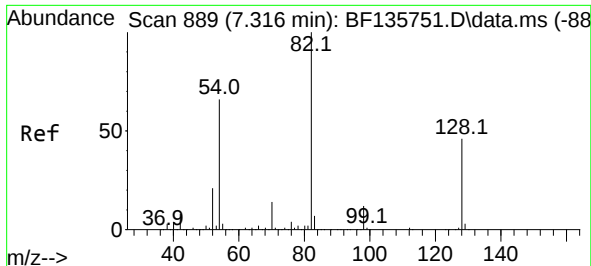


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03



Tgt Ion:136 Resp: 284157
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.3 8.5 12.7
68 5.4 4.8 7.2





#23

Nitrobenzene-d5

Concen: 66.027 ng

RT: 7.304 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

Instrument :

BNA_F

ClientSampleId :

283

Tgt Ion: 82 Resp: 34113

Ion Ratio Lower Upper

82 100

128 44.6 37.0 55.6

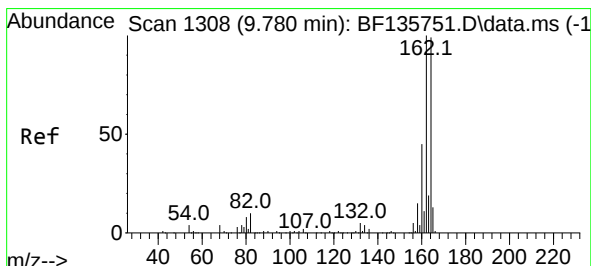
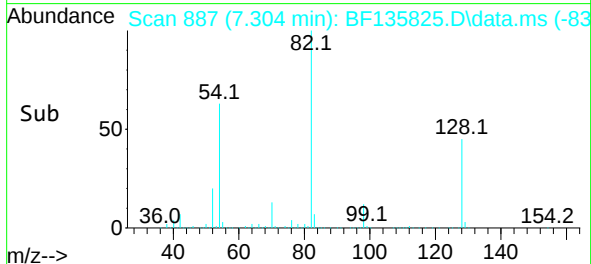
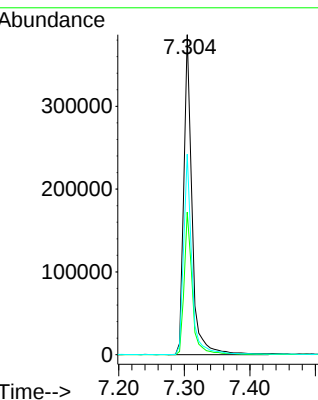
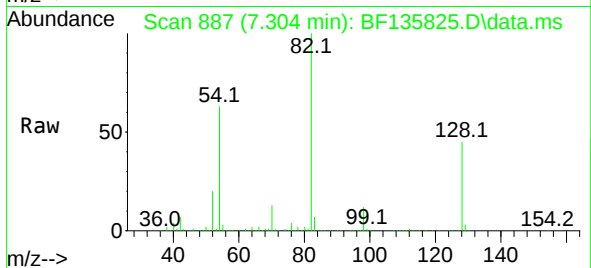
54 62.6 52.8 79.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

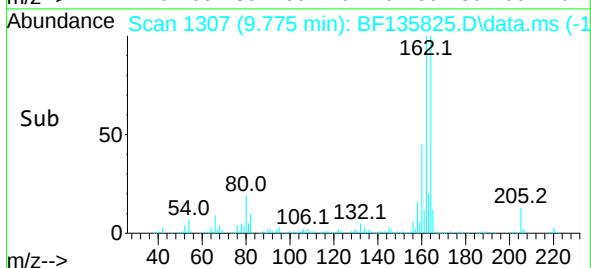
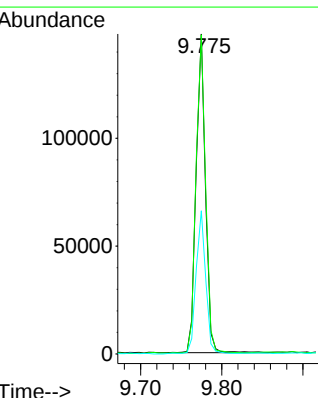
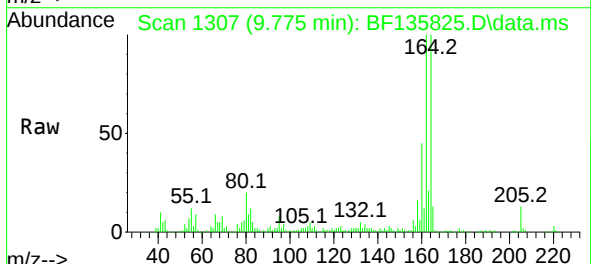
Tgt Ion:164 Resp: 117896

Ion Ratio Lower Upper

164 100

162 99.7 80.8 121.2

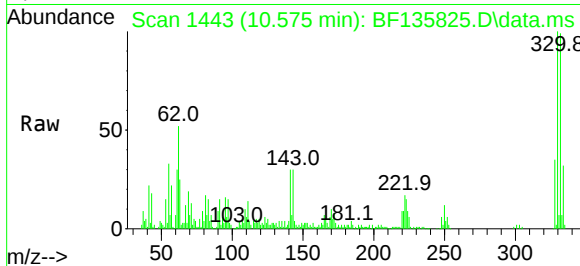
160 44.7 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 88.896 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

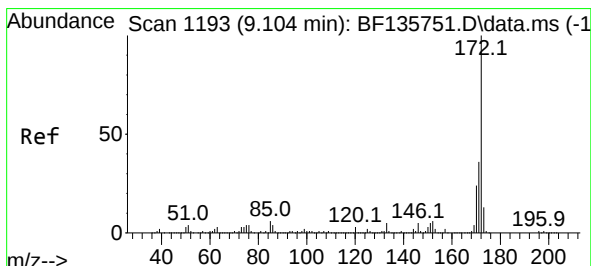
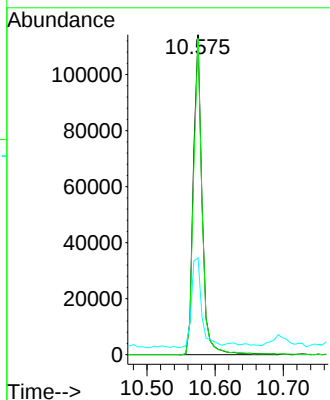
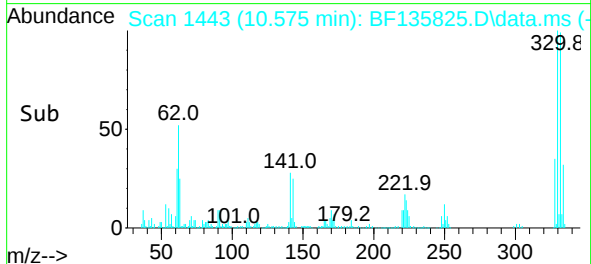
Instrument :
BNA_F
ClientSampleId :
283



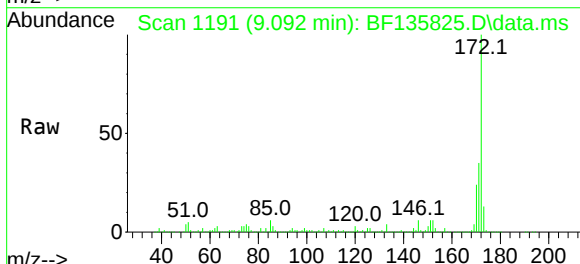
Tgt Ion: 330 Resp: 100569
Ion Ratio Lower Upper
330 100
332 96.5 75.0 112.4
141 32.7 25.8 38.6

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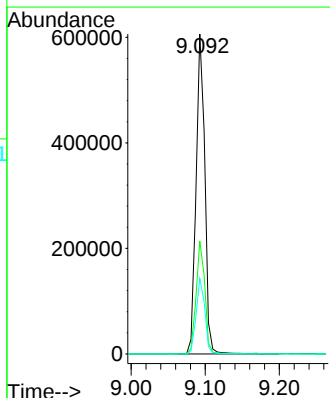
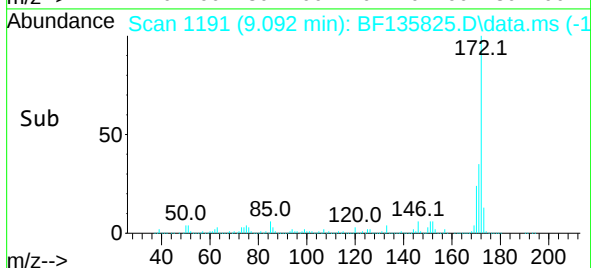
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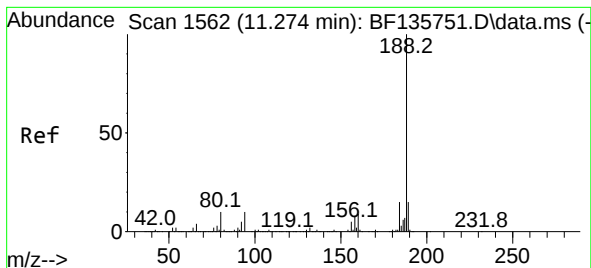


#45
2-Fluorobiphenyl
Concen: 65.909 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03



Tgt Ion: 172 Resp: 496987
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.5 18.8 28.2





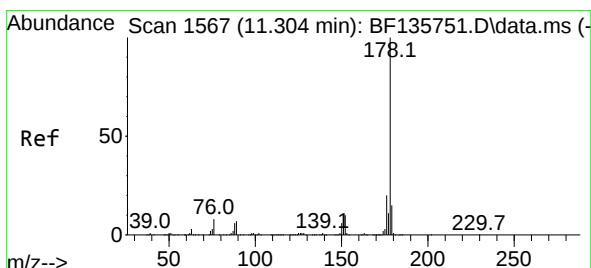
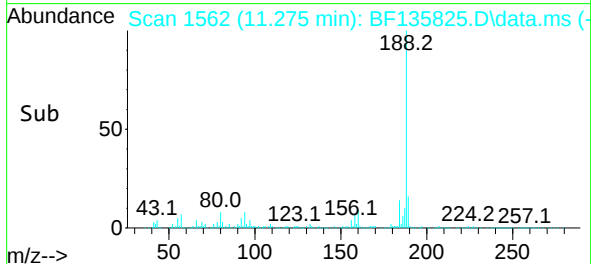
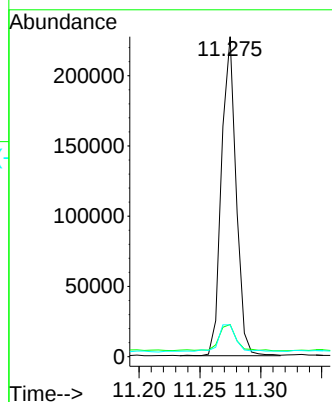
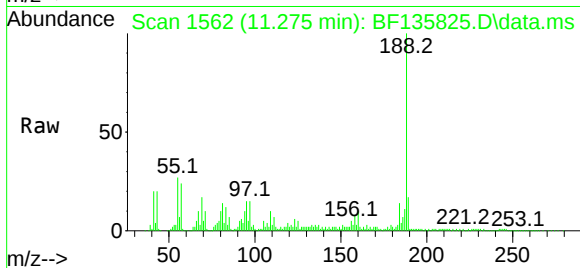
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

Instrument :
BNA_F
ClientSampleId :
283

Tgt Ion:188 Resp: 190715
Ion Ratio Lower Upper
188 100
94 10.0 8.0 12.0
80 9.9 8.3 12.5

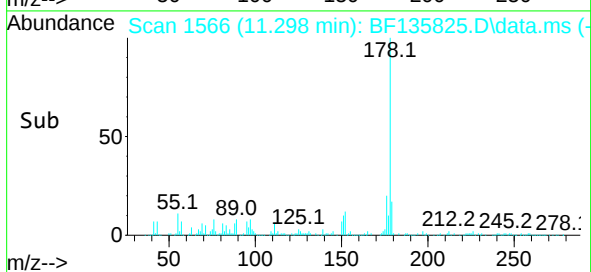
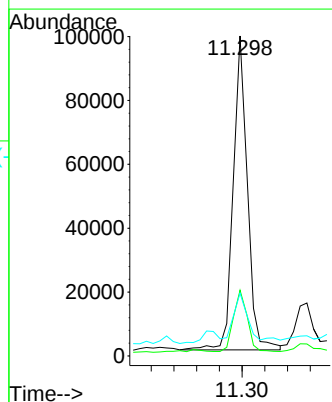
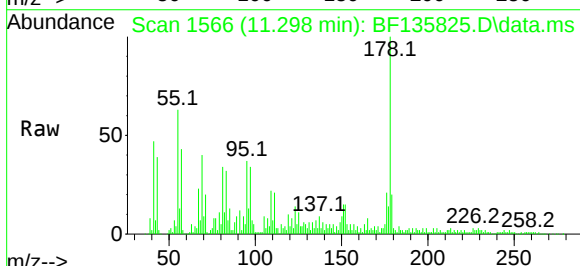
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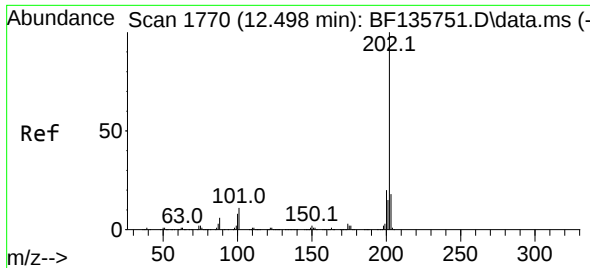
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#71
Phenanthrene
Concen: 9.362 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

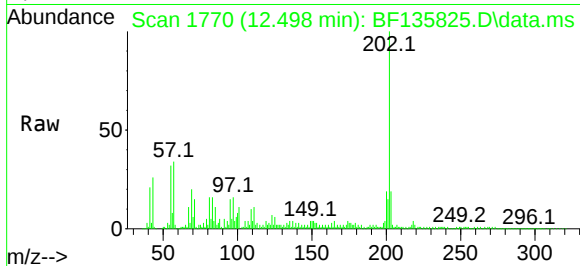
Tgt Ion:178 Resp: 85530
Ion Ratio Lower Upper
178 100
176 20.5 16.0 24.0
179 19.6 12.2 18.4#





#75
Fluoranthene
Concen: 17.930 ng
RT: 12.498 min Scan# 1770
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

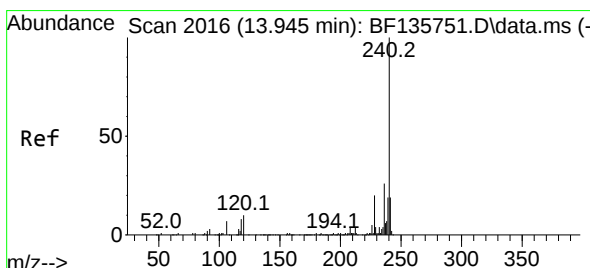
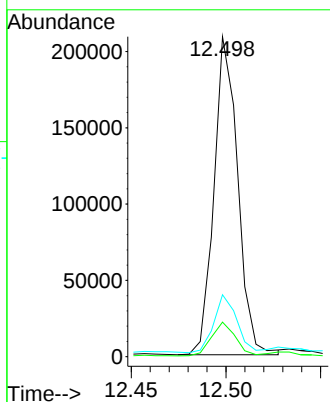
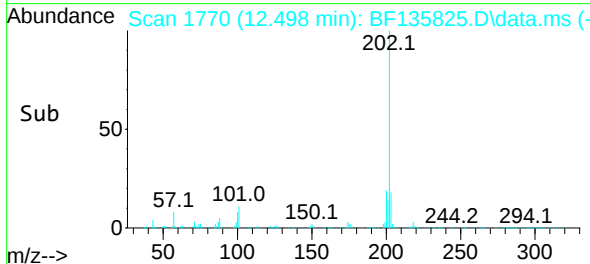
Instrument :
BNA_F
ClientSampleId :
283



Tgt Ion:202 Resp: 181810
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.5
203 19.3 0.0 38.3

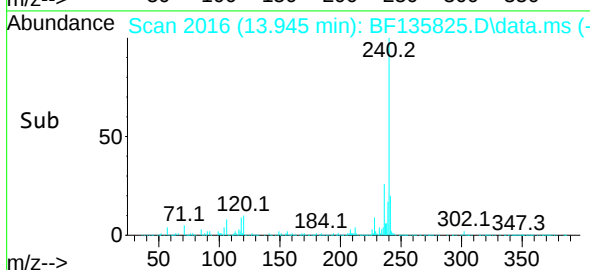
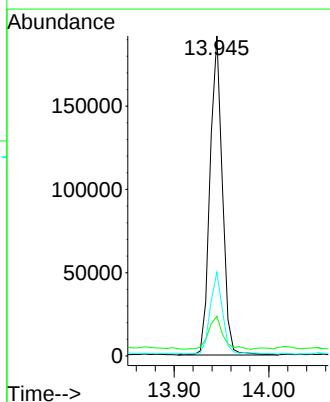
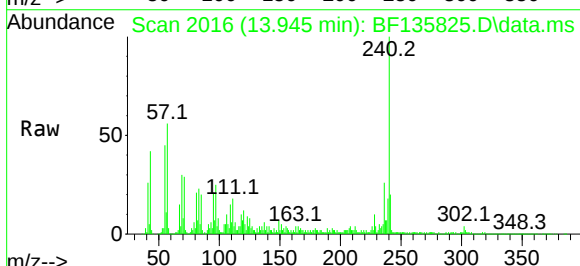
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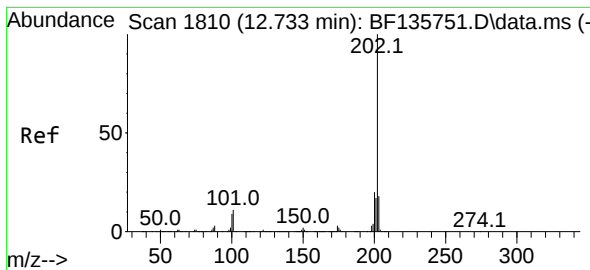
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 1616
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

Tgt Ion:240 Resp: 173361
Ion Ratio Lower Upper
240 100
120 12.4 8.2 12.2#
236 26.2 21.2 31.8





#78

Pyrene

Concen: 11.674 ng

RT: 12.733 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

Instrument :

BNA_F

ClientSampleId :

283

Tgt Ion:202 Resp: 160825

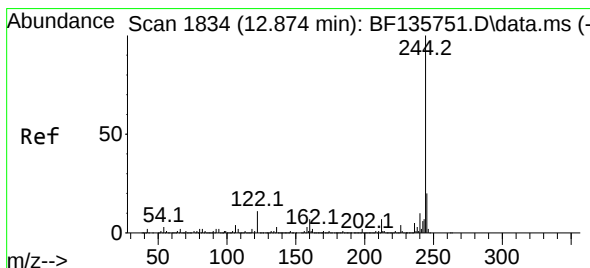
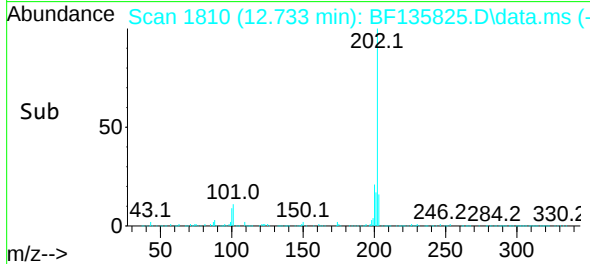
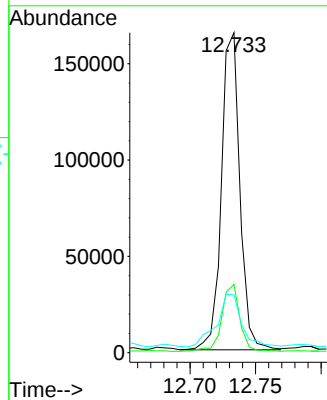
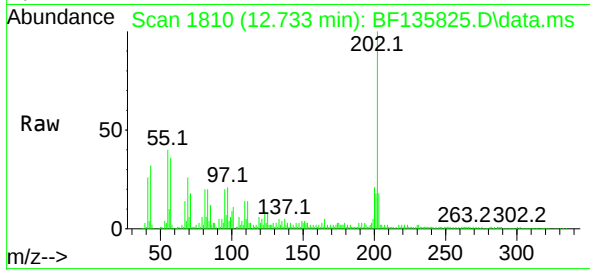
Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.1	24.1
203	18.1	14.2	21.2

Manual Integrations

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Supervised By :mohammad ahmed 10/18/2023



#79

Terphenyl-d14

Concen: 46.970 ng

RT: 12.869 min Scan# 1833

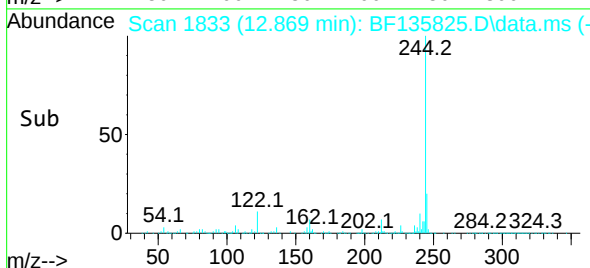
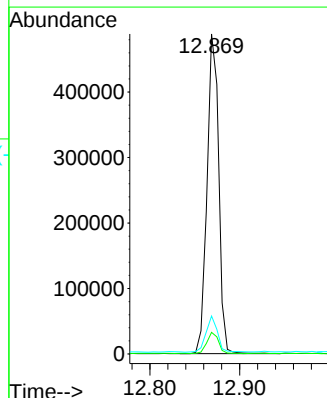
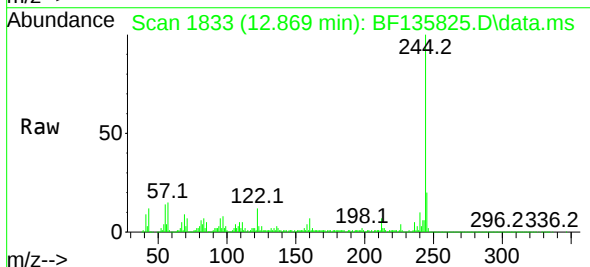
Delta R.T. -0.012 min

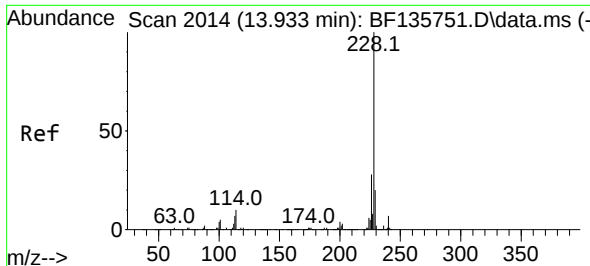
Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

Tgt Ion:244 Resp: 439692

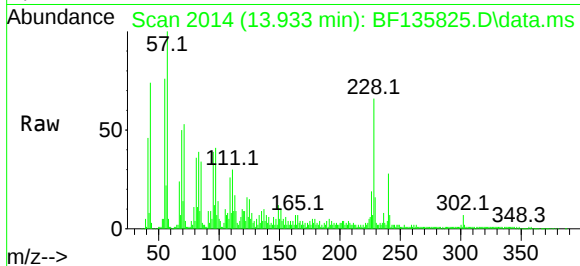
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.9	9.0	13.6





#81
Benzo(a)anthracene
Concen: 6.477 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

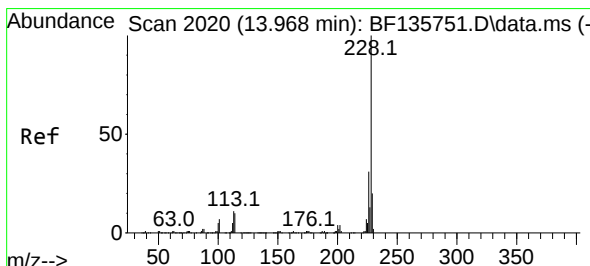
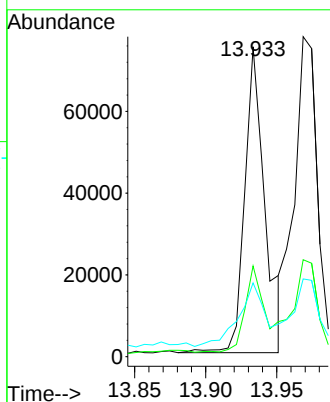
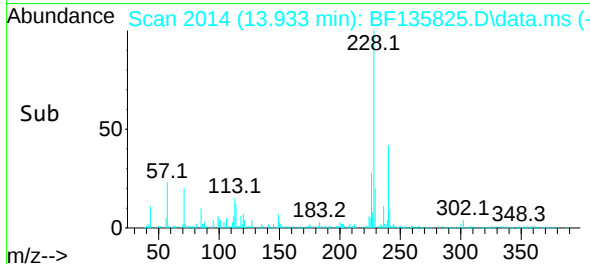
Instrument : BNA_F
ClientSampleId : 283



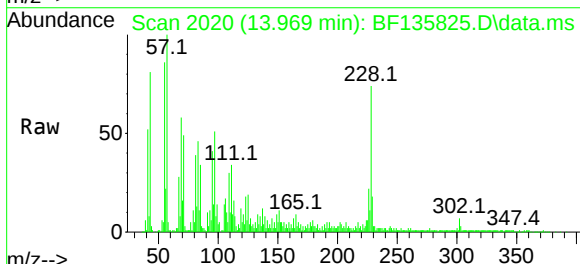
Tgt Ion:228 Resp: 73749
Ion Ratio Lower Upper
228 100
226 29.3 22.2 33.2
229 23.8 16.1 24.1

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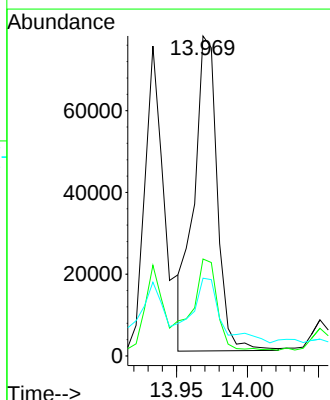
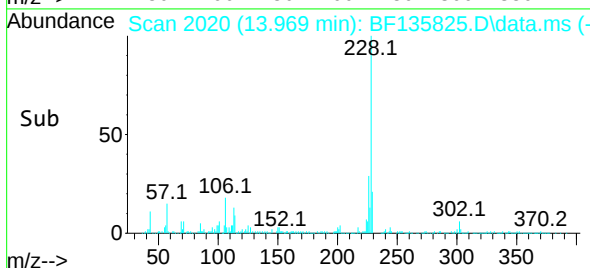
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

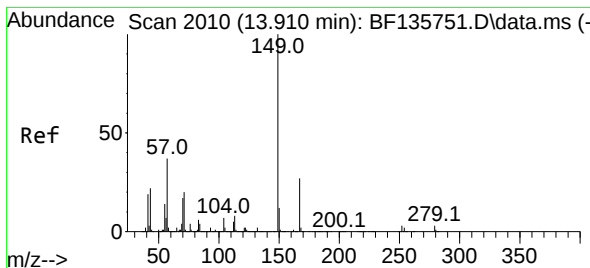


#83
Chrysene
Concen: 8.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03



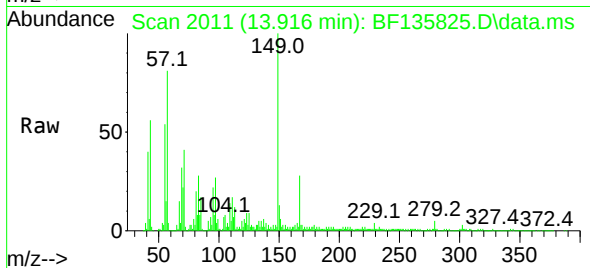
Tgt Ion:228 Resp: 88232
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 24.3 15.7 23.5#





#84
 Bis(2-ethylhexyl)phthalate
 Concen: 21.795 ng
 RT: 13.916 min Scan# 2010
 Delta R.T. 0.000 min
 Lab File: BF135825.D
 Acq: 17 Oct 2023 22:03

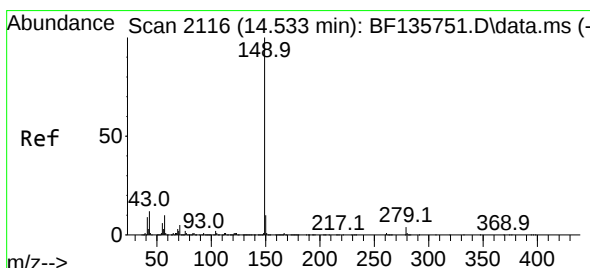
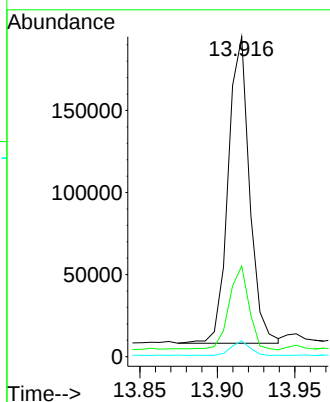
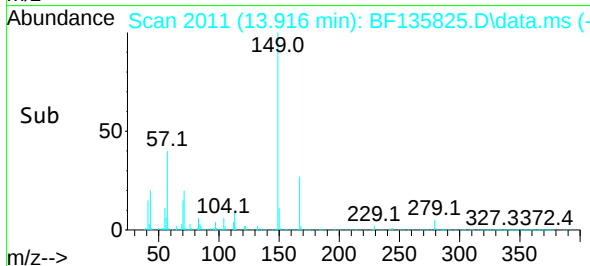
Instrument :
 BNA_F
 ClientSampleId :
 283



Tgt Ion:149 Resp: 178828
 Ion Ratio Lower Upper
 149 100
 167 28.4 21.3 31.9
 279 5.0 2.7 4.1

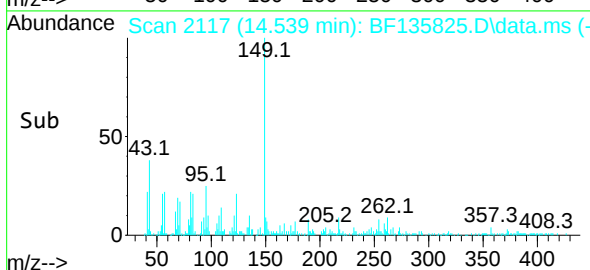
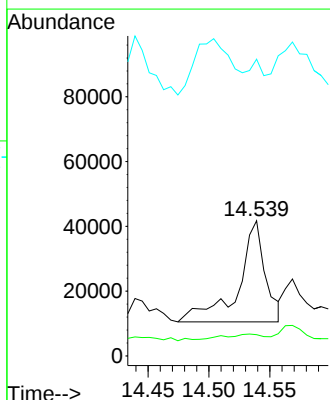
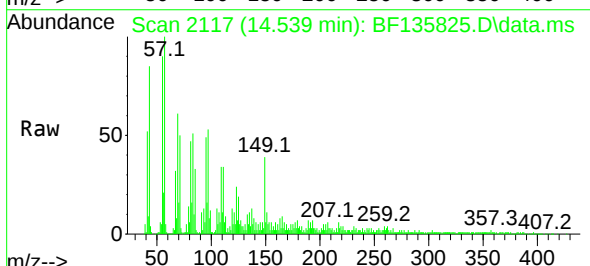
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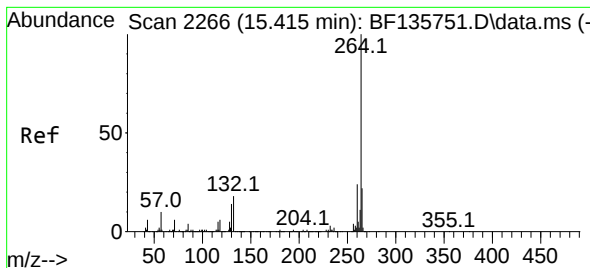
Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023



#85
 Di-n-octyl phthalate
 Concen: 3.725 ng
 RT: 14.539 min Scan# 2117
 Delta R.T. 0.006 min
 Lab File: BF135825.D
 Acq: 17 Oct 2023 22:03

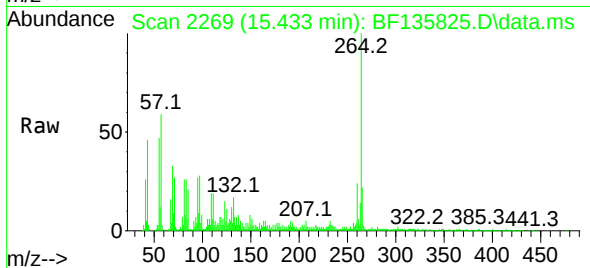
Tgt Ion:149 Resp: 48468
 Ion Ratio Lower Upper
 149 100
 167 7.7 1.2 1.8#
 43 0.0 10.1 15.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

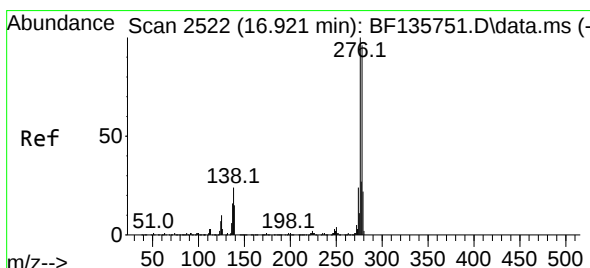
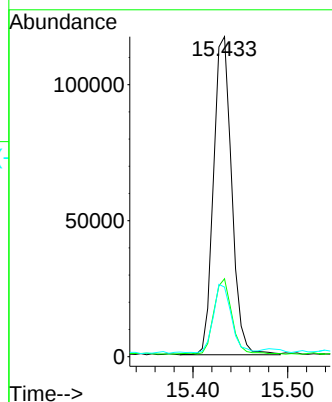
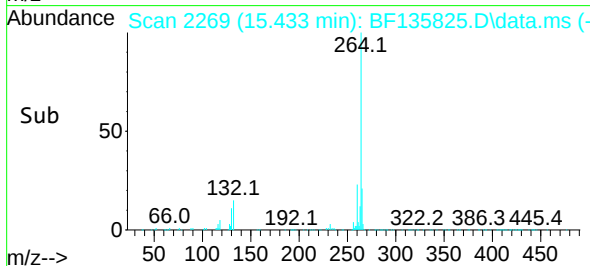
Instrument :
BNA_F
ClientSampleId :
283



Tgt Ion:264 Resp: 15603
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.8 17.4 26.2

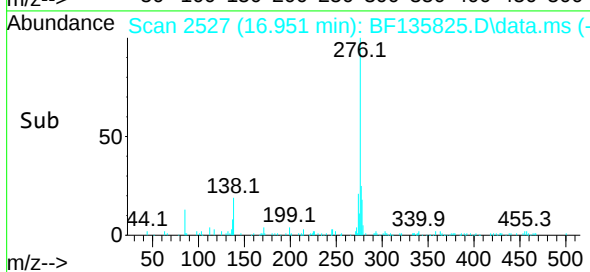
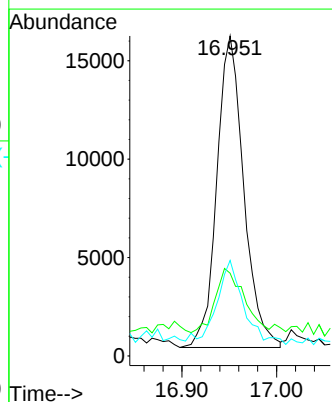
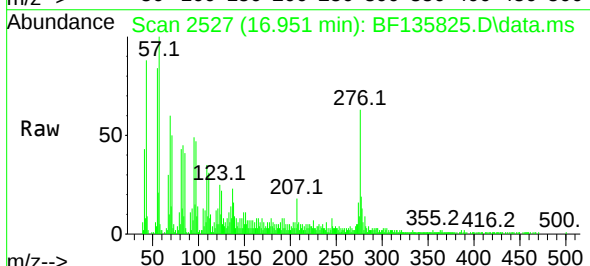
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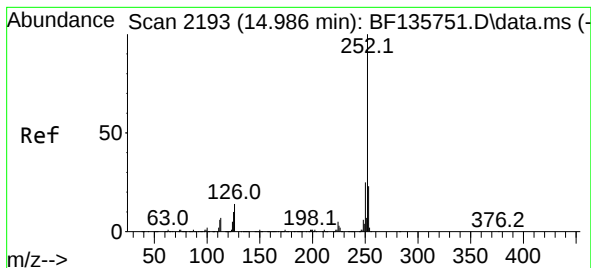
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.680 ng
RT: 16.951 min Scan# 2527
Delta R.T. 0.018 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

Tgt Ion:276 Resp: 31288
Ion Ratio Lower Upper
276 100
138 21.8 19.8 29.6
277 27.2 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 10.575 ng m

RT: 14.998 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

Instrument :

BNF

ClientSampleId :

283

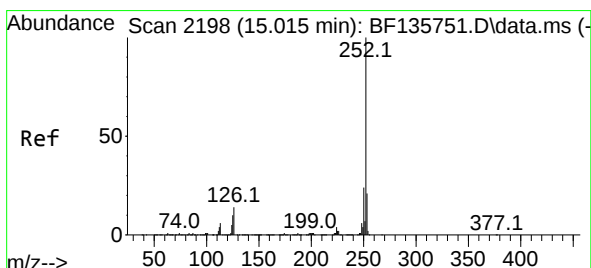
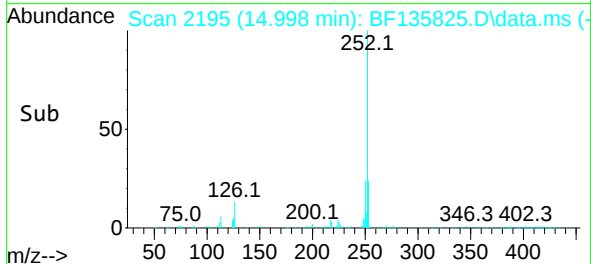
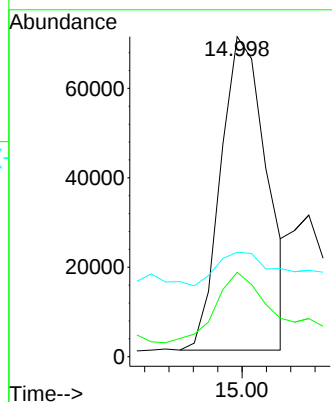
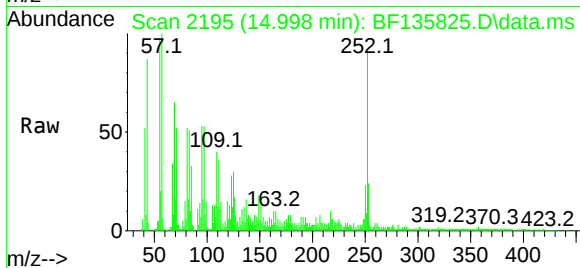
Tgt Ion:252 Resp: 92349
 Ion Ratio Lower Upper
 252 100
 253 26.3 18.2 27.2
 125 32.7 8.2 12.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#89

Benzo(k)fluoranthene

Concen: 3.663 ng m

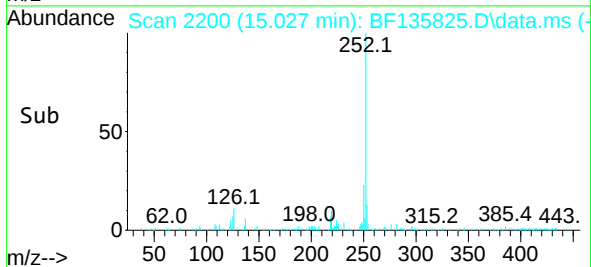
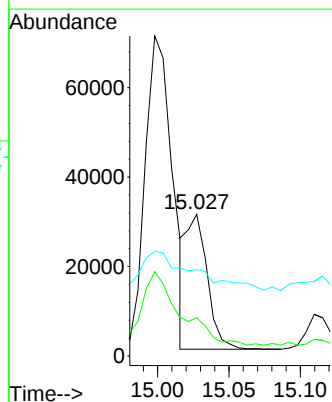
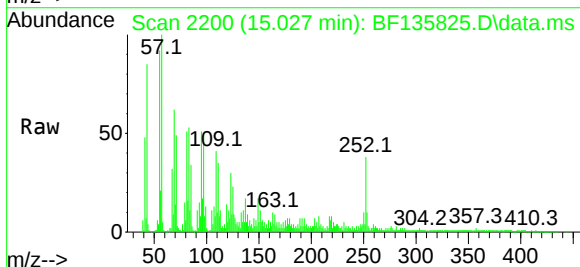
RT: 15.027 min Scan# 2200

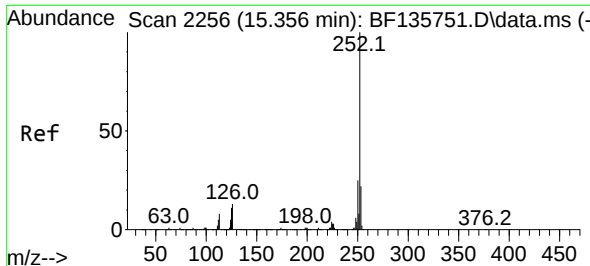
Delta R.T. 0.006 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

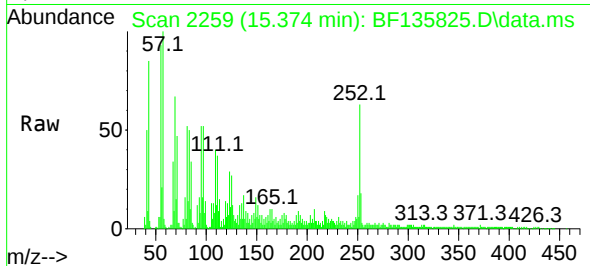
Tgt Ion:252 Resp: 31052
 Ion Ratio Lower Upper
 252 100
 253 26.9 17.4 26.0#
 125 61.1 8.3 12.5#





#90
Benzo(a)pyrene
Concen: 6.122 ng
RT: 15.374 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

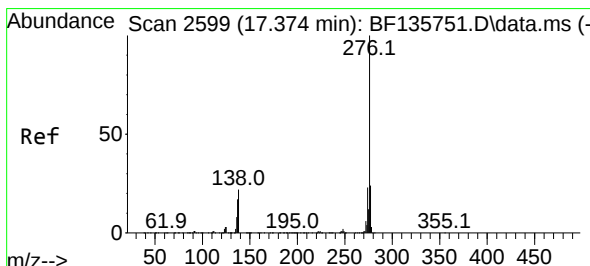
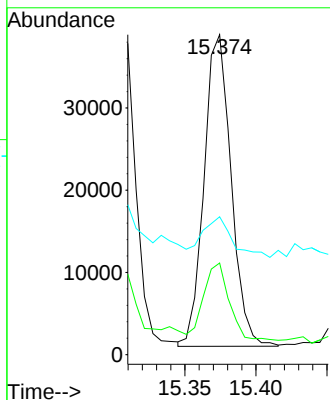
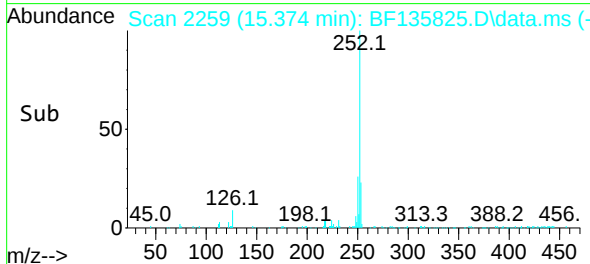
Instrument :
BNA_F
ClientSampleId :
283



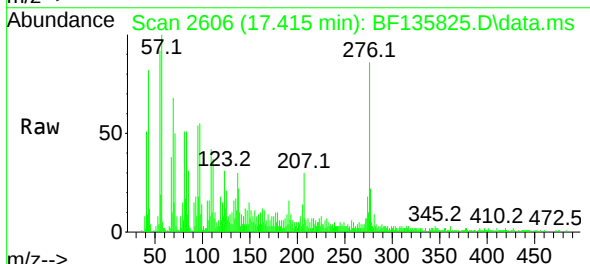
Tgt Ion:252 Resp: 5027
Ion Ratio Lower Upper
252 100
253 28.6 17.4 26.2
125 43.1 8.8 13.2

Manual Integrations
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Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#92
Benzo(g,h,i)perylene
Concen: 4.726 ng
RT: 17.415 min Scan# 2606
Delta R.T. 0.029 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03



Tgt Ion:276 Resp: 33834
Ion Ratio Lower Upper
276 100
277 26.0 19.4 29.2
138 25.1 17.3 25.9

