

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137062.D
 Acq On : 15 Jan 2024 14:42
 Operator : CG\JU
 Sample : 05993-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E8965C-S-002

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024

Quant Time: Jan 15 15:04:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	45586	20.000	ng	0.02
21) Naphthalene-d8	8.069	136	181049	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	85893	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	151962	20.000	ng	0.00
76) Chrysene-d12	13.969	240	134797	20.000	ng	0.00
86) Perylene-d12	15.463	264	144087	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	33346	11.413	ng	0.01
7) Phenol-d6	6.469	99	179511	47.418	ng	0.03
23) Nitrobenzene-d5	7.369	82	217955	61.602	ng	0.01
42) 2,4,6-Tribromophenol	10.616	330	5430	5.368	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	416960	65.291	ng	-0.01
79) Terphenyl-d14	12.910	244	432969	44.887	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.092	128	1253944	126.071	ng	100
37) 2-Methylnaphthalene	8.775	142	79423	12.408	ng	99
38) 1-Methylnaphthalene	8.875	142	39235	6.248	ng	99
71) Phenanthrene	11.333	178	64610	8.286	ng	98
75) Fluoranthene	12.533	202	69321	8.311	ng	98
78) Pyrene	12.763	202	70532	5.330	ng	99
81) Benzo(a)anthracene	13.963	228	38678	4.132	ng	97
83) Chrysene	13.998	228	39048	4.266	ng	95
87) Indeno(1,2,3-cd)pyrene	16.980	276	21629	2.079	ng	98
88) Benzo(b)fluoranthene	15.021	252	56191m	5.839	ng	
90) Benzo(a)pyrene	15.398	252	33334	4.103	ng	100
92) Benzo(g,h,i)perylene	17.451	276	19528	2.234	ng	95

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

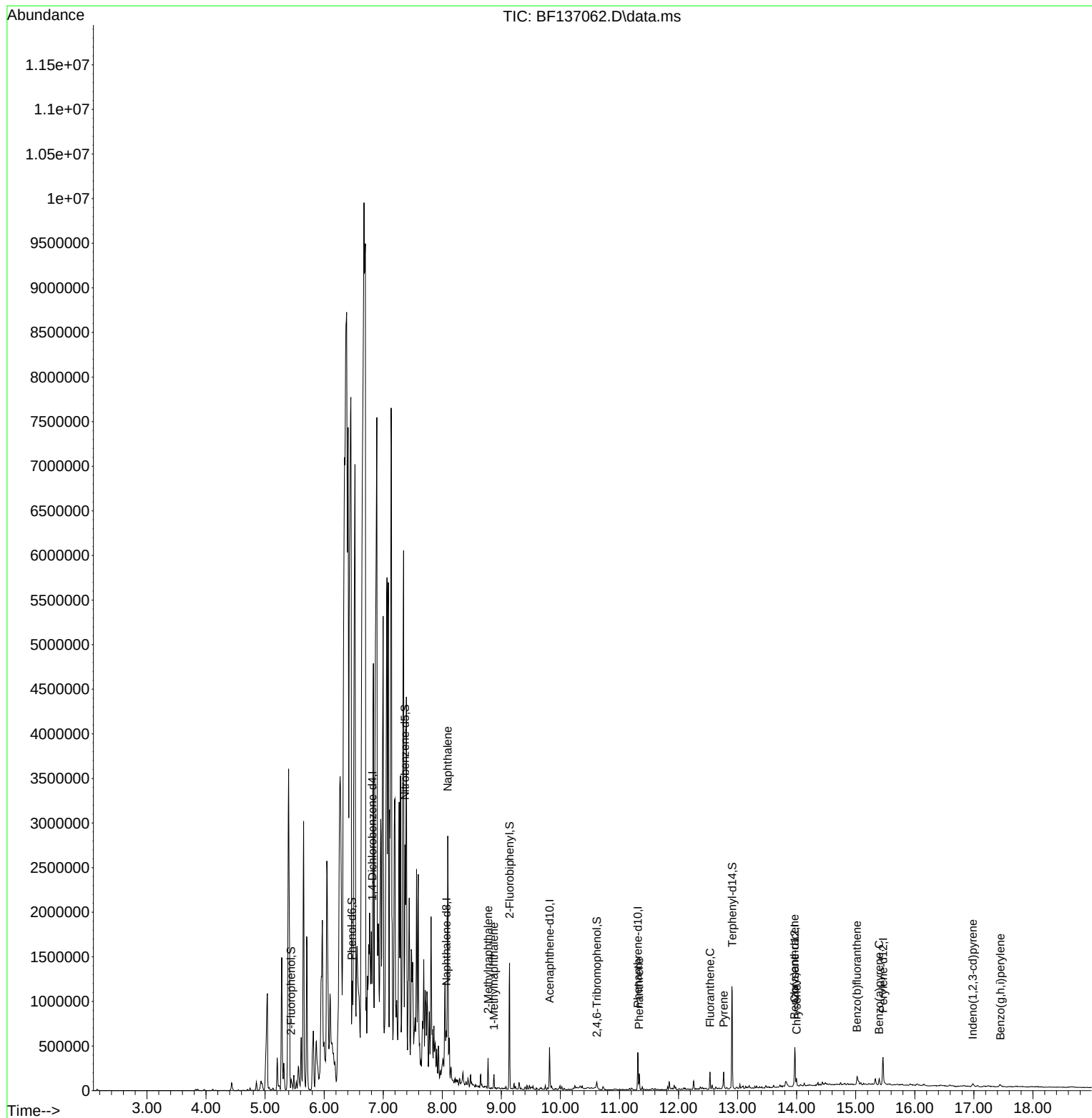
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
Data File : BF137062.D
Acq On : 15 Jan 2024 14:42
Operator : CG\JU
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ALS Vial : 6 Sample Multiplier: 1

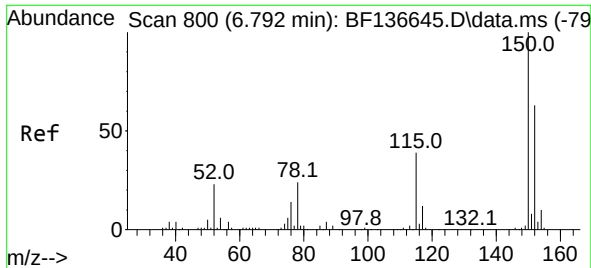
Instrument :
BNA_F
ClientSampleId :
E8965C-S-002

Quant Time: Jan 15 15:04:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
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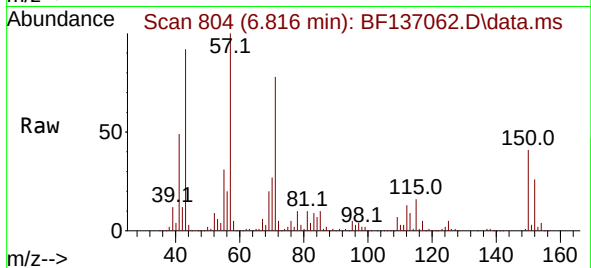
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 800
Delta R.T. 0.024 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

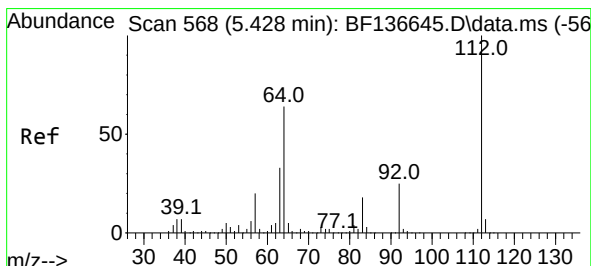
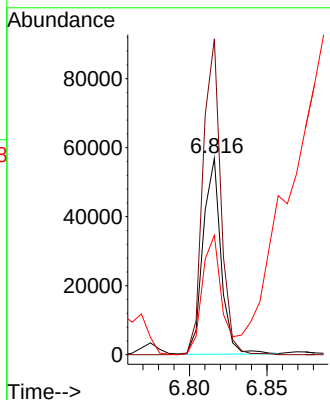
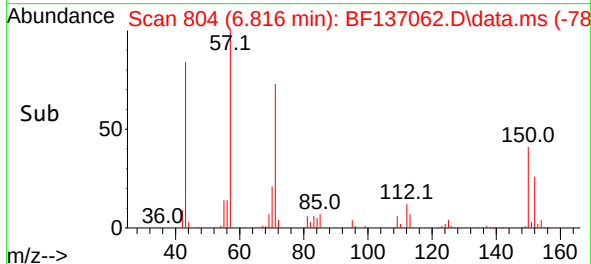
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E8965C-S-002



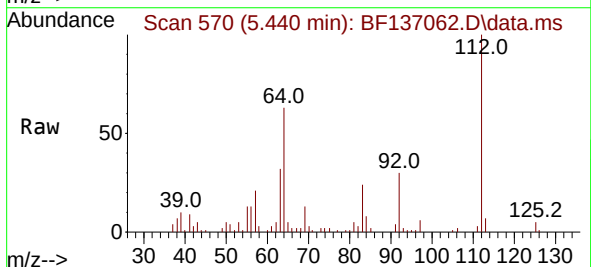
Tgt Ion:152 Resp: 45580
Ion Ratio Lower Upper
152 100
150 160.8 127.0 190.6
115 60.8 49.0 73.4

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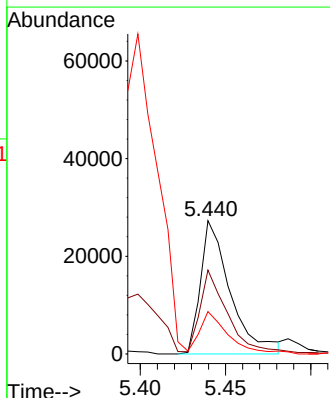
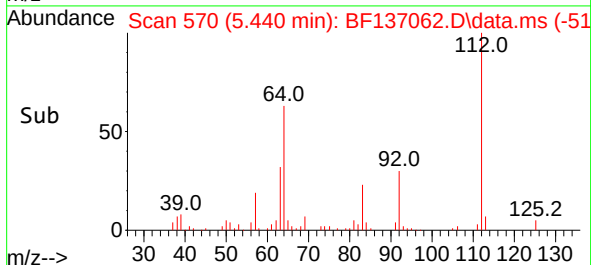
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

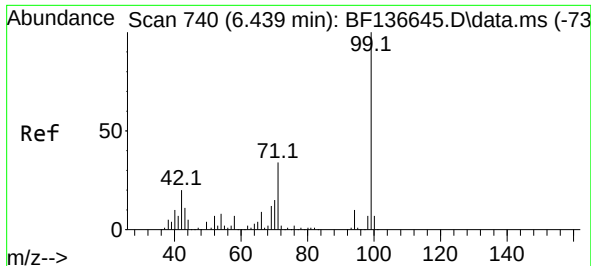


#5
2-Fluorophenol
Concen: 11.413 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42



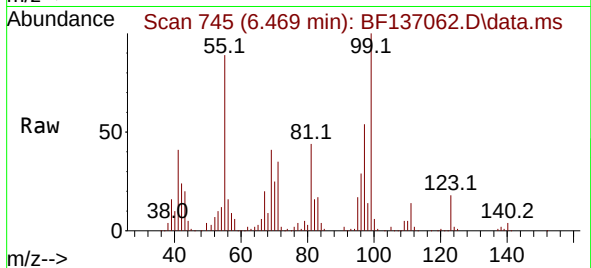
Tgt Ion:112 Resp: 33346
Ion Ratio Lower Upper
112 100
64 63.0 51.1 76.7
63 31.9 26.1 39.1





#7
Phenol-d6
Concen: 47.418 ng
RT: 6.469 min Scan# 740
Delta R.T. 0.030 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

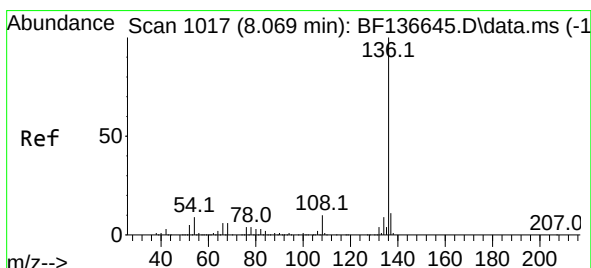
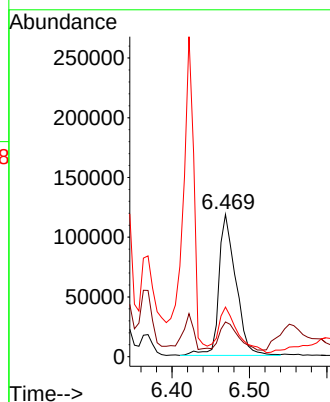
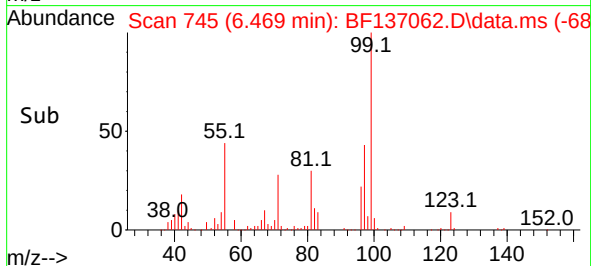
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Tgt Ion: 99 Resp: 17951
Ion Ratio Lower Upper
99 100
42 24.5 16.1 24.1
71 34.9 27.4 41.2

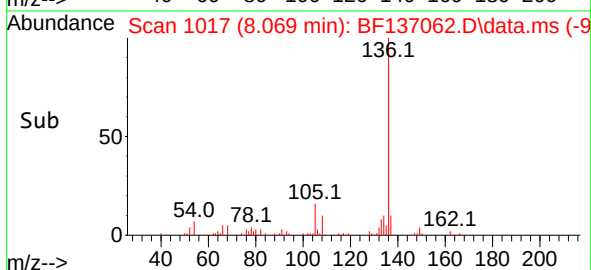
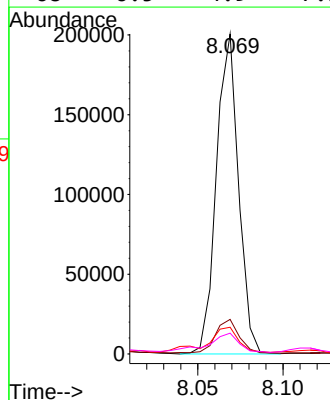
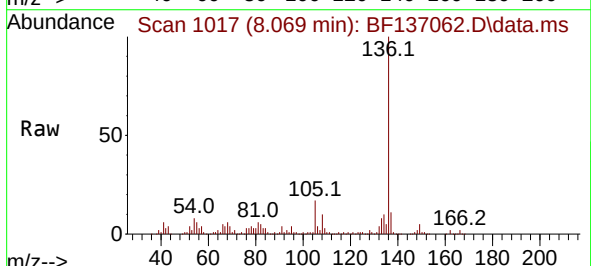
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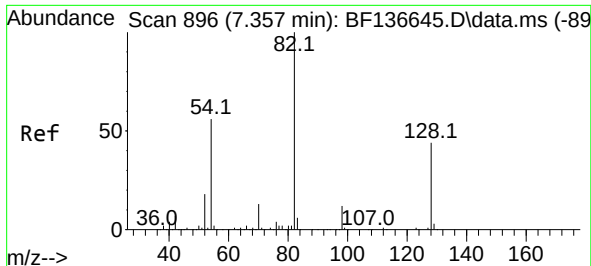
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

Tgt Ion:136 Resp: 181049
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.3 7.2 10.8
68 6.5 4.9 7.3





#23
Nitrobenzene-d5
Concen: 61.602 ng
RT: 7.369 min Scan# 896
Delta R.T. 0.012 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

Instrument :

BNA_F

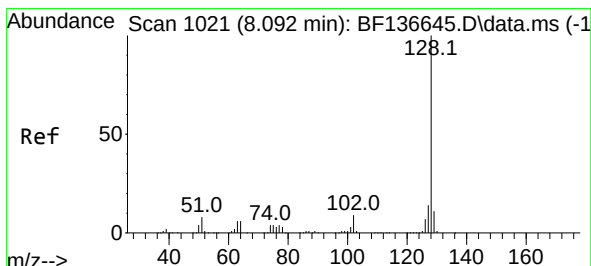
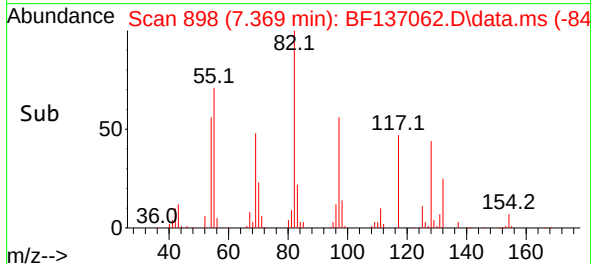
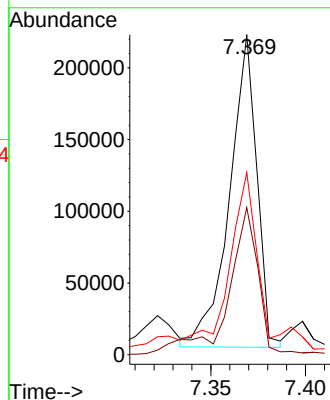
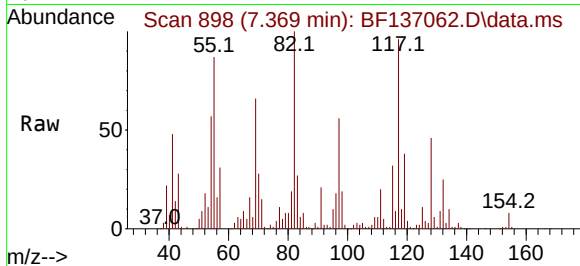
ClientSampleId :

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Tgt Ion: 82 Resp: 21795
Ion Ratio Lower Upper
82 100
128 46.0 35.3 52.9
54 56.9 44.5 66.7

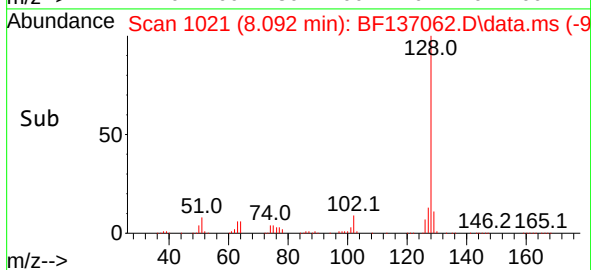
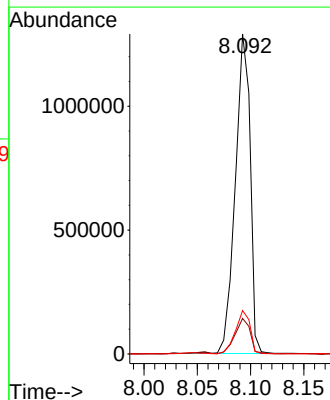
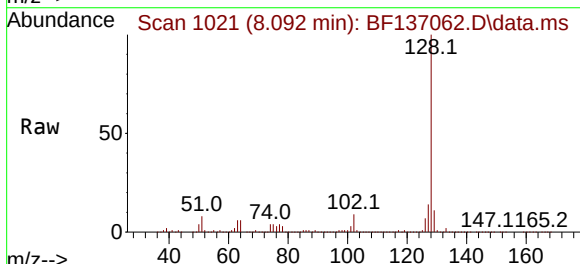
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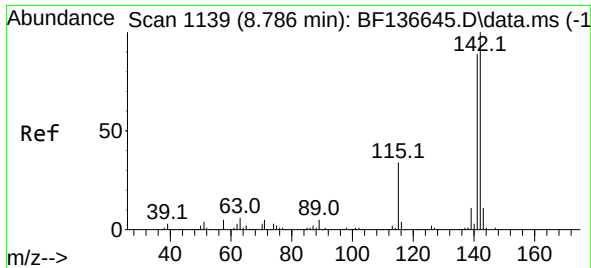
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#31
Naphthalene
Concen: 126.071 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

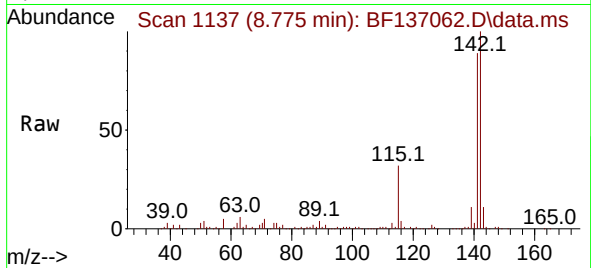
Tgt Ion:128 Resp: 1253944
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.5 10.8 16.2





#37
2-Methylnaphthalene
Concen: 12.408 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

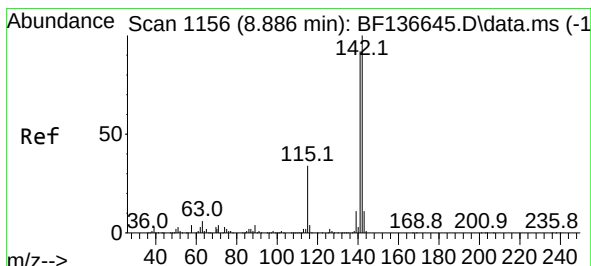
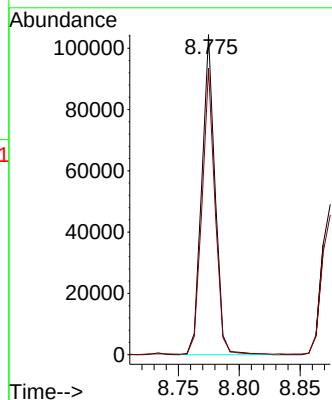
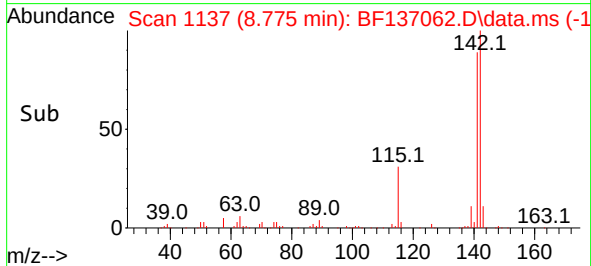
Instrument :
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E8965C-S-002



Tgt Ion:142 Resp: 7942
Ion Ratio Lower Upper
142 100
141 89.4 71.1 106.7

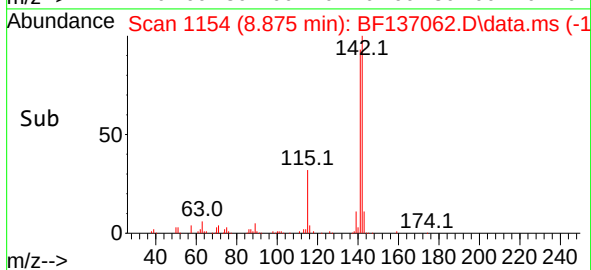
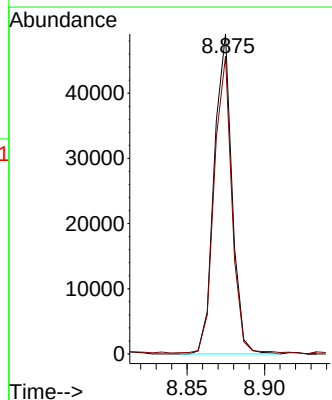
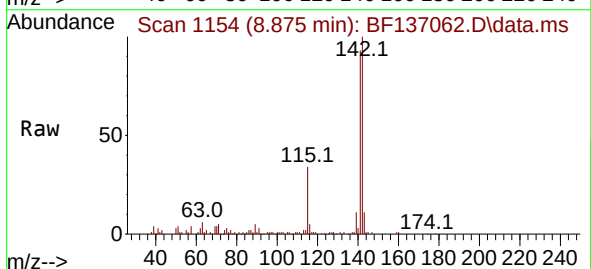
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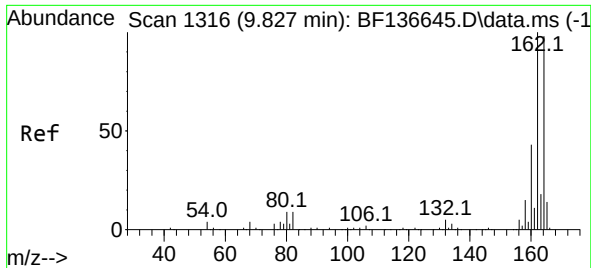
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#38
1-Methylnaphthalene
Concen: 6.248 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

Tgt Ion:142 Resp: 39235
Ion Ratio Lower Upper
142 100
141 93.0 73.6 110.4





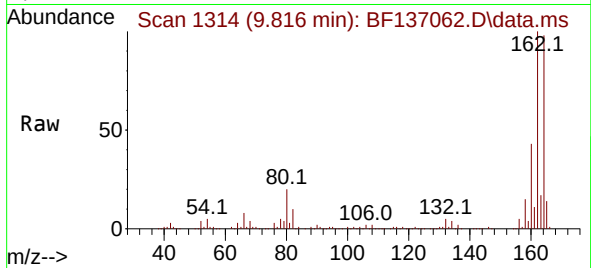
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

Instrument :

BNA_F

ClientSampleId :

E8965C-S-002

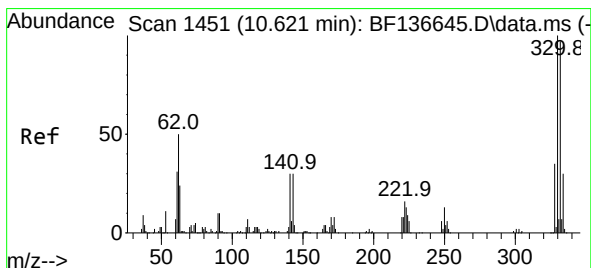
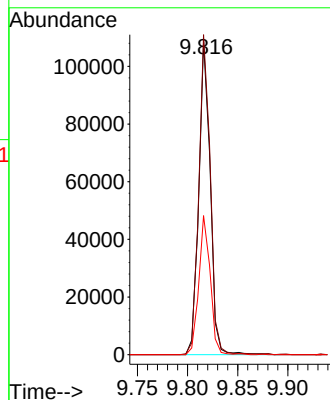
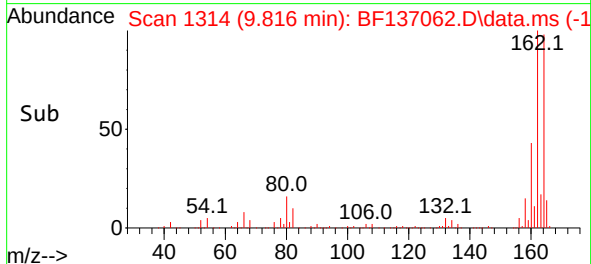


Tgt Ion:164 Resp: 8589
Ion Ratio Lower Upper
164 100
162 102.4 81.6 122.4
160 44.5 34.9 52.3

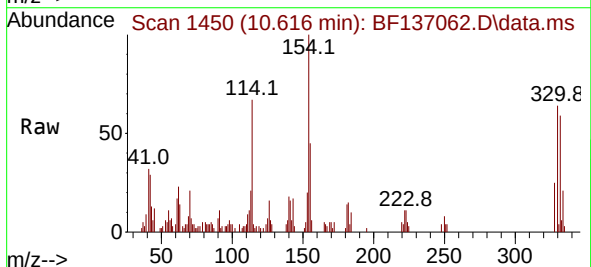
Manual Integrations

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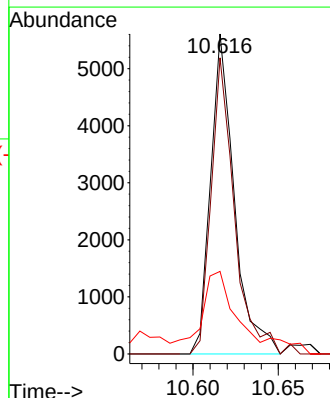
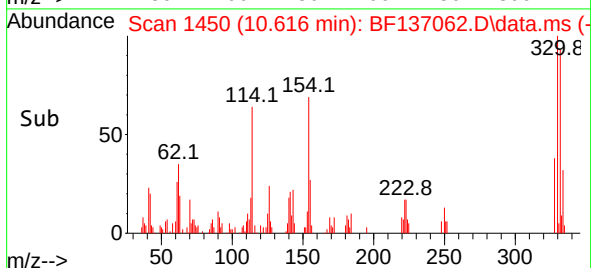
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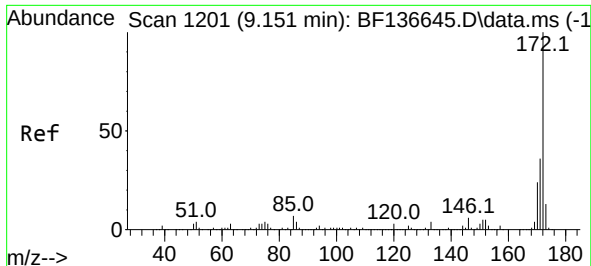


#42
2,4,6-Tribromophenol
Concen: 5.368 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42



Tgt Ion:330 Resp: 5430
Ion Ratio Lower Upper
330 100
332 91.7 77.4 116.0
141 43.0 23.4 35.2#





#45
2-Fluorobiphenyl
Concen: 65.291 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

Instrument :

BNA_F

ClientSampleId :

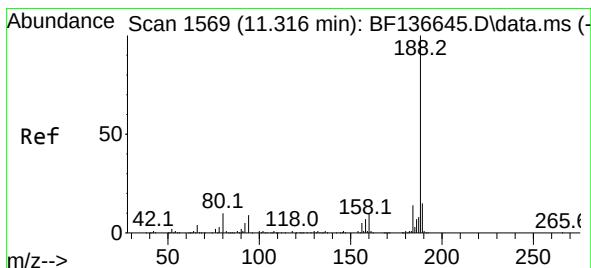
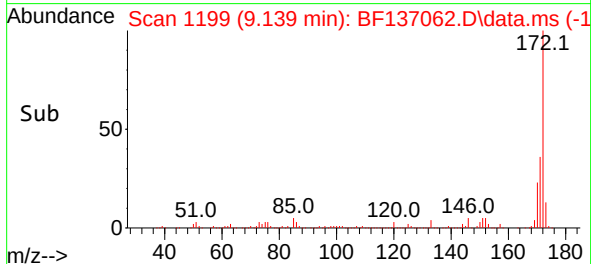
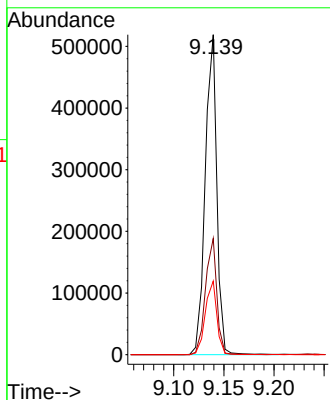
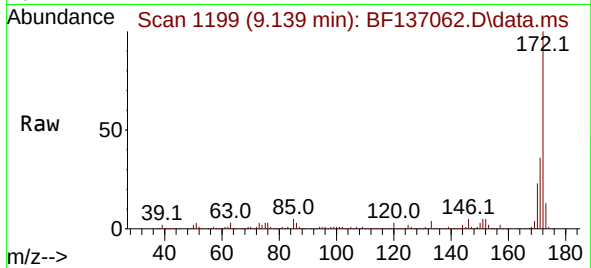
E8965C-S-002

Tgt Ion:172 Resp: 416960
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.6
170 23.0 19.0 28.4

Manual Integrations

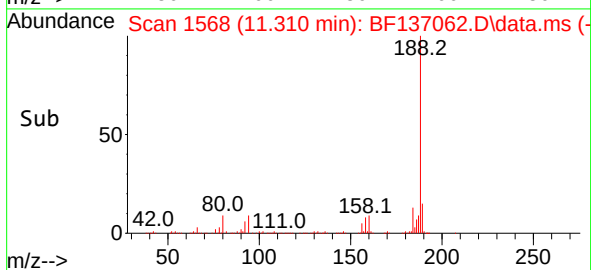
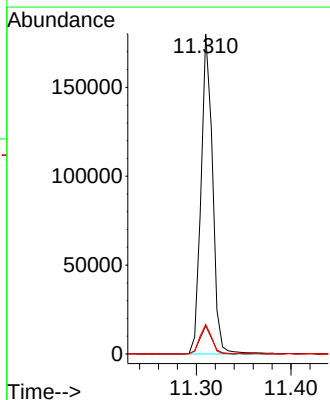
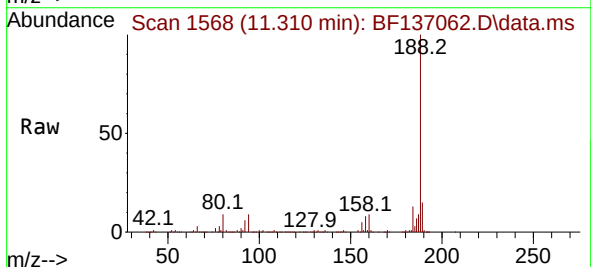
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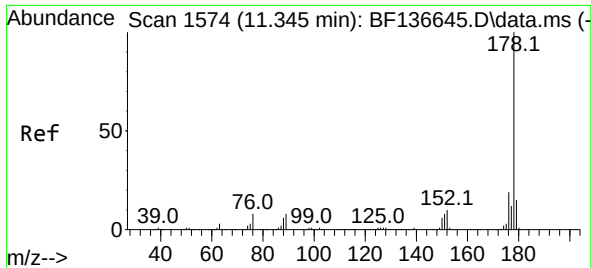
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

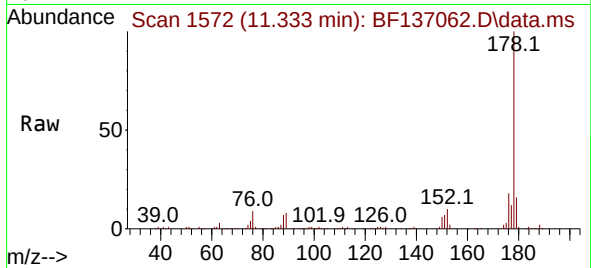
Tgt Ion:188 Resp: 151962
Ion Ratio Lower Upper
188 100
94 8.7 7.5 11.3
80 9.3 8.1 12.1





#71
Phenanthrene
Concen: 8.286 ng
RT: 11.333 min Scan# 1176
Delta R.T. -0.012 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

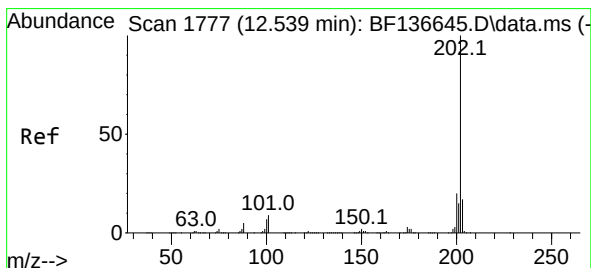
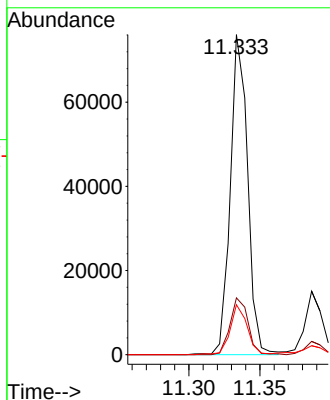
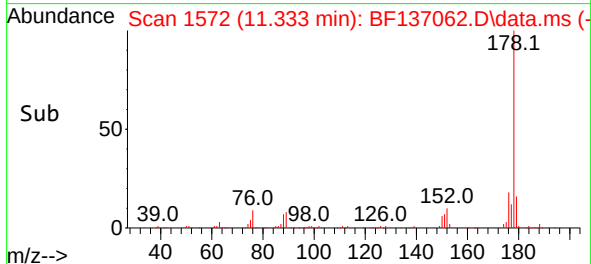
Instrument :
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ClientSampleId :
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Tgt Ion:178 Resp: 64610
Ion Ratio Lower Upper
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176 17.7 15.3 22.9
179 15.6 11.9 17.9

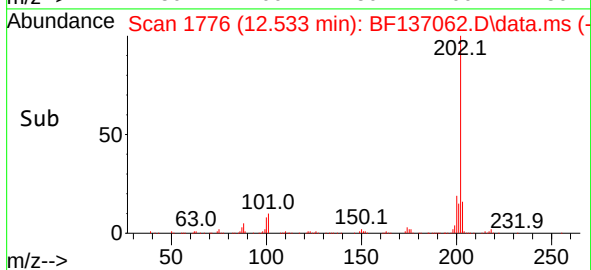
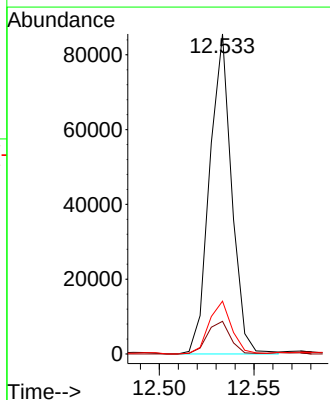
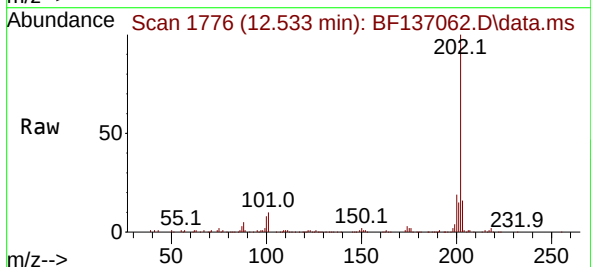
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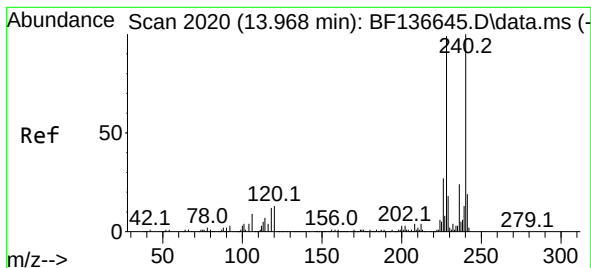
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#75
Fluoranthene
Concen: 8.311 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

Tgt Ion:202 Resp: 69321
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.3
203 16.5 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137062.D

Acq: 15 Jan 2024 14:42

Instrument :

BNA_F

ClientSampleId :

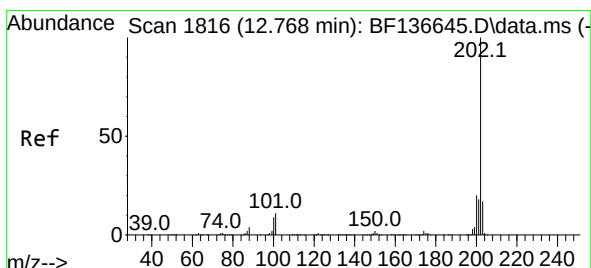
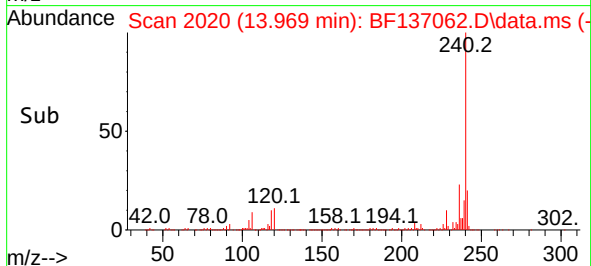
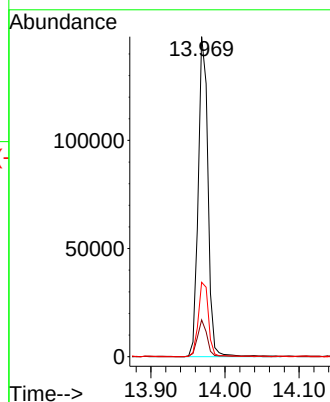
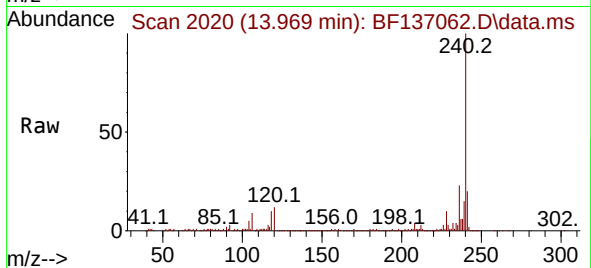
E8965C-S-002

Tgt Ion:240 Resp: 13479
 Ion Ratio Lower Upper
 240 100
 120 11.5 10.3 15.5
 236 23.2 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024



#78

Pyrene

Concen: 5.330 ng

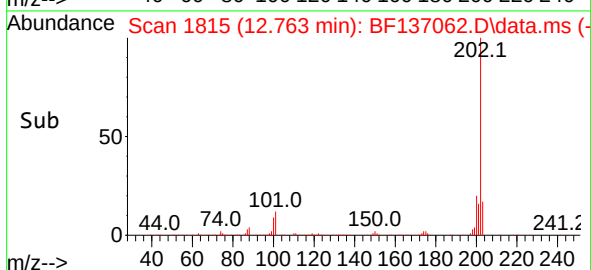
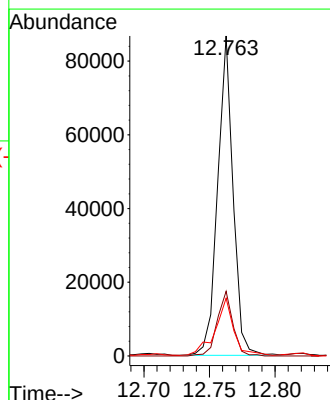
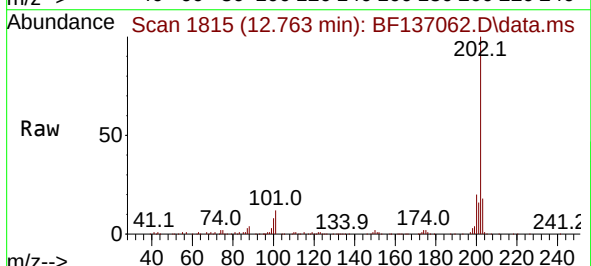
RT: 12.763 min Scan# 1815

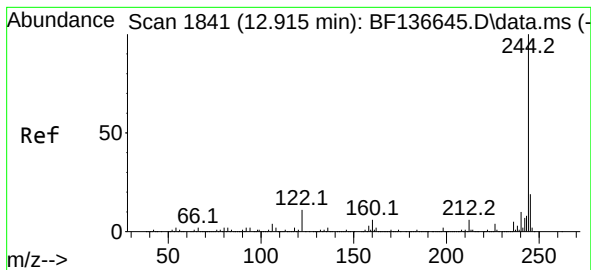
Delta R.T. -0.006 min

Lab File: BF137062.D

Acq: 15 Jan 2024 14:42

Tgt Ion:202 Resp: 70532
 Ion Ratio Lower Upper
 202 100
 200 20.2 15.9 23.9
 203 18.0 13.8 20.6





#79

Terphenyl-d14

Concen: 44.887 ng

RT: 12.910 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF137062.D

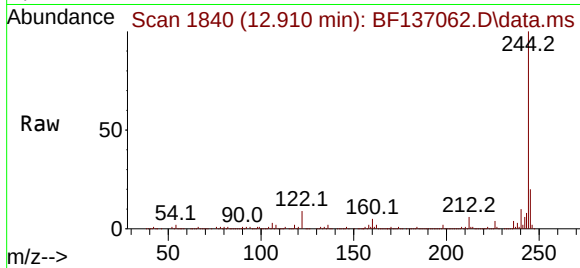
Acq: 15 Jan 2024 14:42

Instrument :

BNA_F

ClientSampleId :

E8965C-S-002

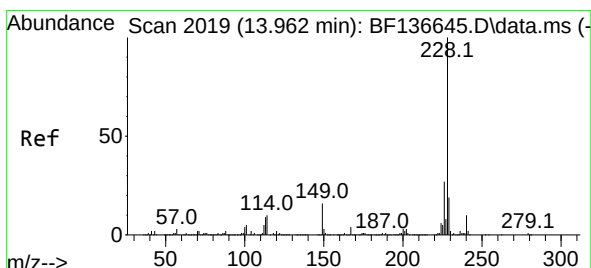
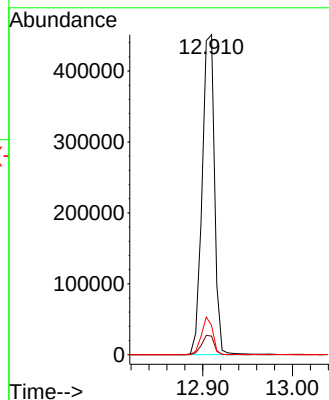
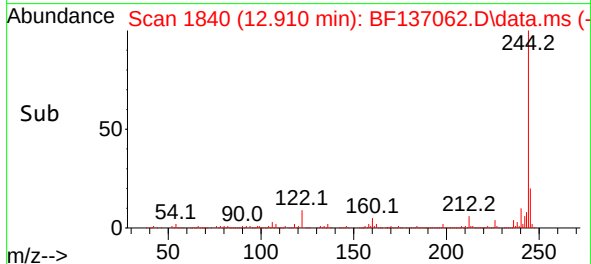


Tgt Ion:	244	Resp:	432969
Ion Ratio	Lower	Upper	
244	100		
212	5.8	5.0	7.4
122	9.2	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#81

Benzo(a)anthracene

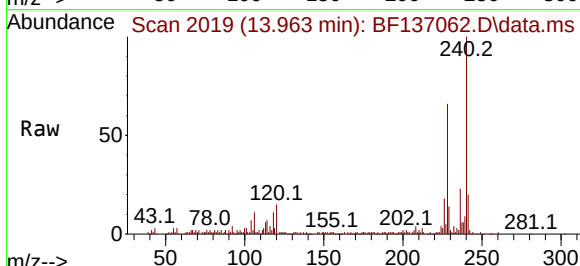
Concen: 4.132 ng

RT: 13.963 min Scan# 2019

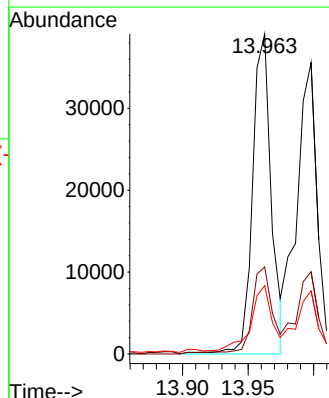
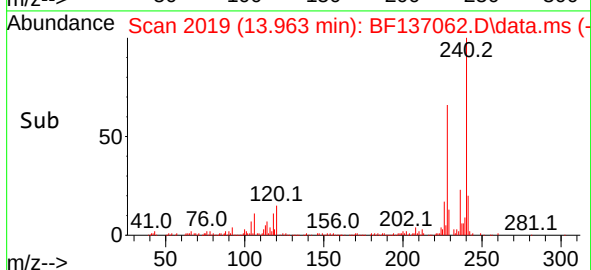
Delta R.T. 0.000 min

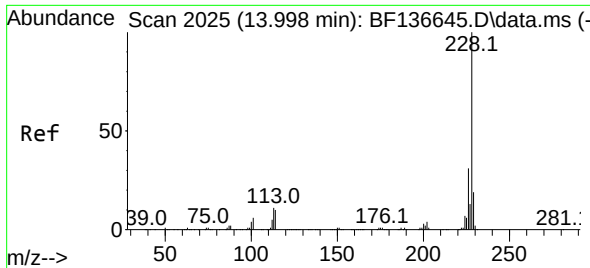
Lab File: BF137062.D

Acq: 15 Jan 2024 14:42



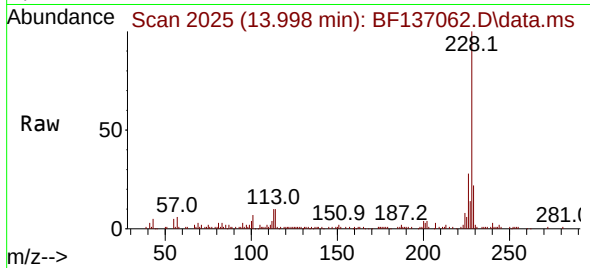
Tgt Ion:	228	Resp:	38678
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.4	32.0
229	21.4	14.9	22.3





#83
Chrysene
Concen: 4.266 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

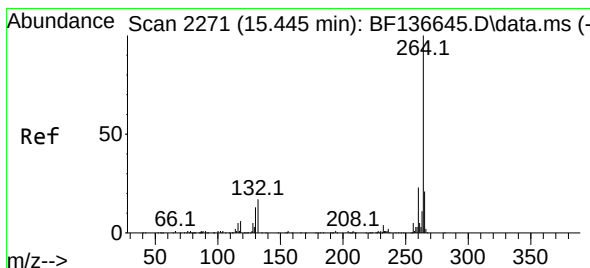
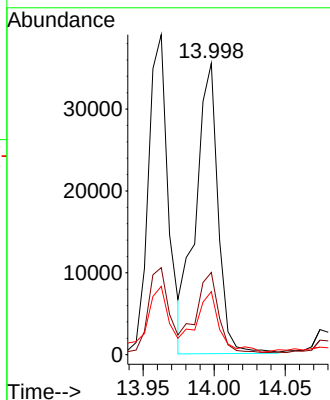
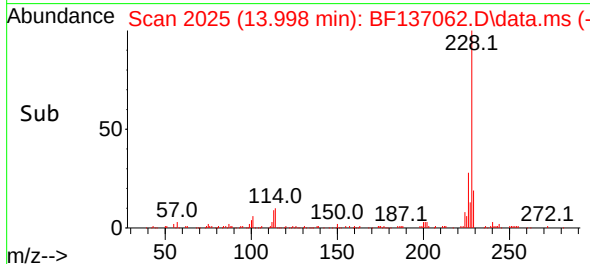
Instrument :
BNA_F
ClientSampleId :
E8965C-S-002



Tgt Ion:228 Resp: 39048
Ion Ratio Lower Upper
228 100
226 28.3 24.7 37.1
229 21.7 15.4 23.0

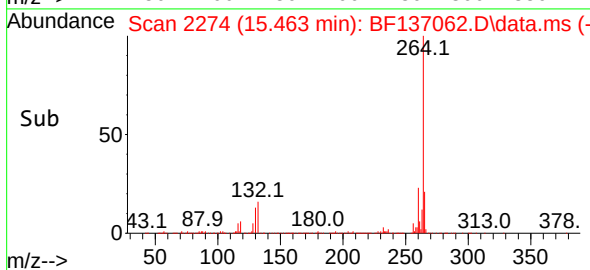
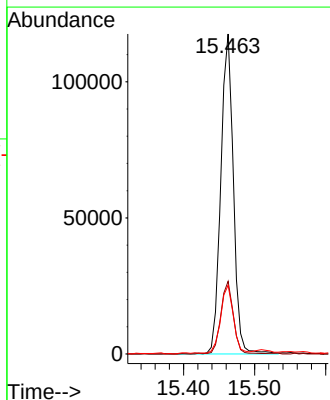
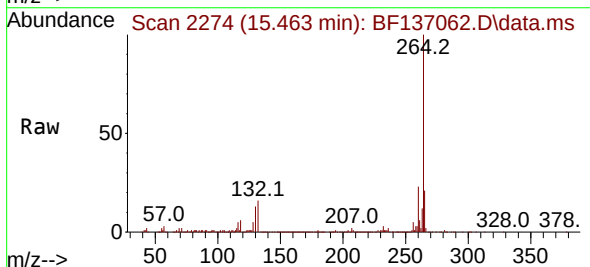
Manual Integrations
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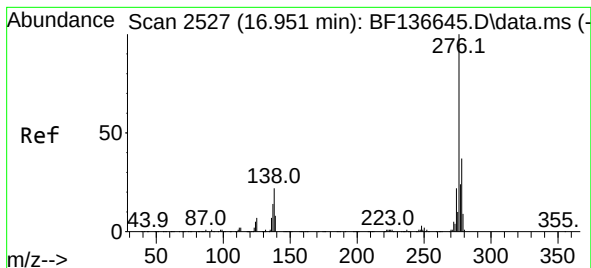
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2274
Delta R.T. 0.018 min
Lab File: BF137062.D
Acq: 15 Jan 2024 14:42

Tgt Ion:264 Resp: 144087
Ion Ratio Lower Upper
264 100
260 22.7 18.3 27.5
265 21.4 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.079 ng

RT: 16.980 min Scan# 2198

Delta R.T. 0.030 min

Lab File: BF137062.D

Acq: 15 Jan 2024 14:42

Instrument :

BNA_F

ClientSampleId :

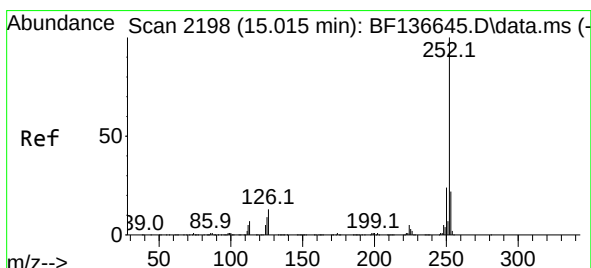
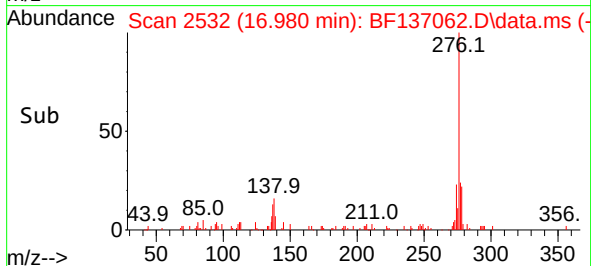
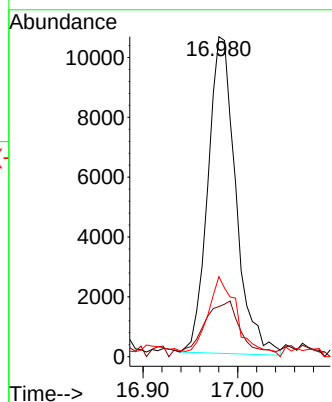
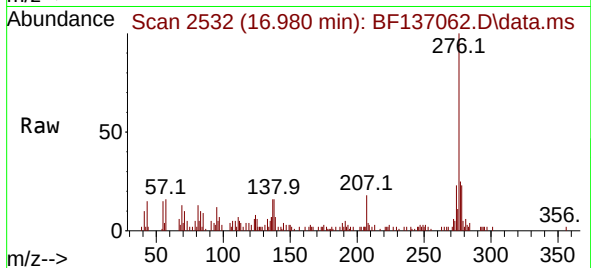
E8965C-S-002

Tgt Ion:	276	Resp:	21629
Ion Ratio	Lower	Upper	
276	100		
138	23.9	18.7	28.1
277	27.1	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#88

Benzo(b)fluoranthene

Concen: 5.839 ng m

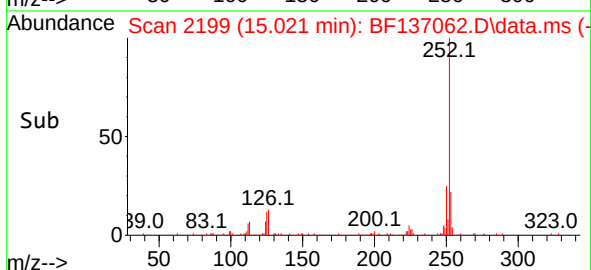
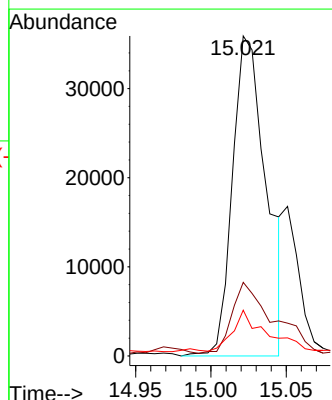
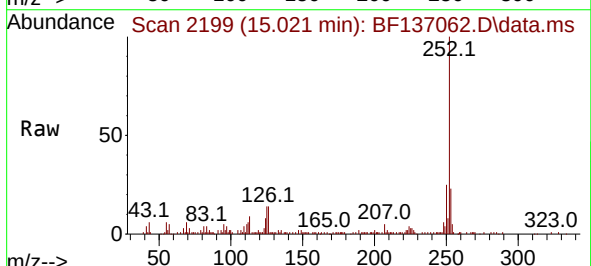
RT: 15.021 min Scan# 2199

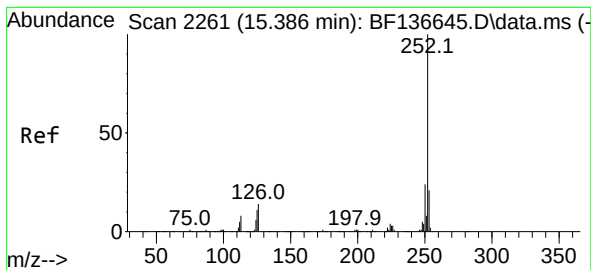
Delta R.T. 0.006 min

Lab File: BF137062.D

Acq: 15 Jan 2024 14:42

Tgt Ion:	252	Resp:	56191
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	14.3	7.4	11.2





#90

Benzo(a)pyrene

Concen: 4.103 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137062.D

Acq: 15 Jan 2024 14:42

Instrument :

BNA_F

ClientSampleId :

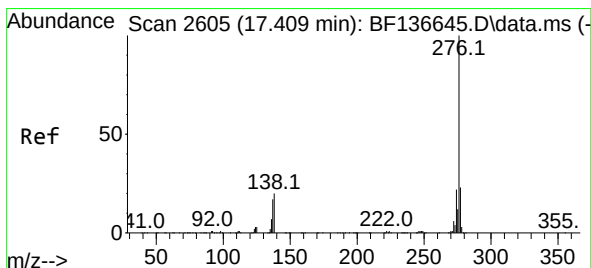
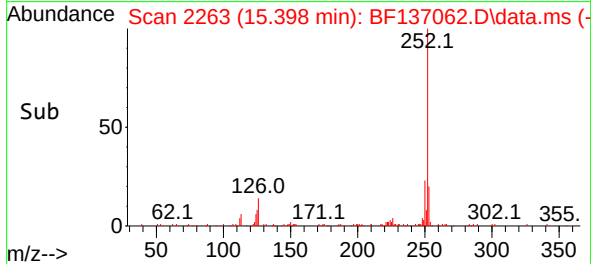
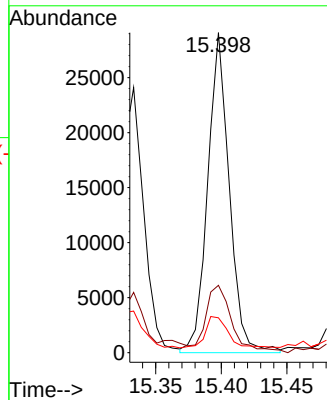
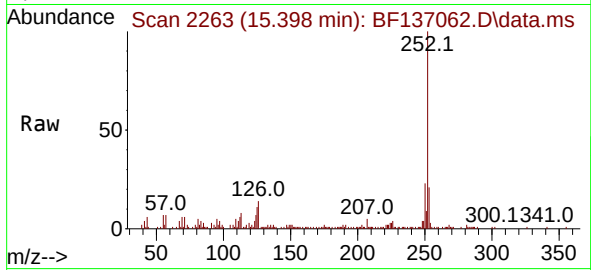
E8965C-S-002

Tgt Ion:	252	Resp:	33334
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.0	25.6
125	10.9	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#92

Benzo(g,h,i)perylene

Concen: 2.234 ng

RT: 17.451 min Scan# 2612

Delta R.T. 0.041 min

Lab File: BF137062.D

Acq: 15 Jan 2024 14:42

Tgt Ion:	276	Resp:	19528
Ion Ratio	Lower	Upper	
276	100		
277	25.9	18.3	27.5
138	21.4	15.6	23.4

