

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092524\
 Data File : BF139542.D
 Acq On : 25 Sep 2024 21:40
 Operator : RC/JU
 Sample : P4172-06 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24336

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/26/2024
 Supervised By :mohammad ahmed 09/27/2024

Quant Time: Sep 26 01:29:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	71225	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	249100	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	114093	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	179368	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	133904	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	101369	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	41821	9.579	ng	0.00
7) Phenol-d6	6.504	99	52401	9.144	ng	0.00
23) Nitrobenzene-d5	7.434	82	32872	6.204	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	8963	7.379	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	60404	7.425	ng	0.00
79) Terphenyl-d14	12.980	244	54372	6.665	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	104190	12.040	ng	# 94
75) Fluoranthene	12.616	202	251366	27.200	ng	98
78) Pyrene	12.845	202	203081	17.663	ng	97
80) Butylbenzylphthalate	13.457	149	9541	2.438	ng	# 73
81) Benzo(a)anthracene	14.027	228	97322	10.972	ng	97
83) Chrysene	14.063	228	97009	11.888	ng	97
84) Bis(2-ethylhexyl)phtha...	14.016	149	102811	20.651	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	39412	6.538	ng	98
88) Benzo(b)fluoranthene	15.080	252	111516m	17.837	ng	
89) Benzo(k)fluoranthene	15.098	252	33968m	5.893	ng	
90) Benzo(a)pyrene	15.445	252	60281	11.626	ng	# 91
92) Benzo(g,h,i)perylene	17.427	276	36060	7.312	ng	# 94

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

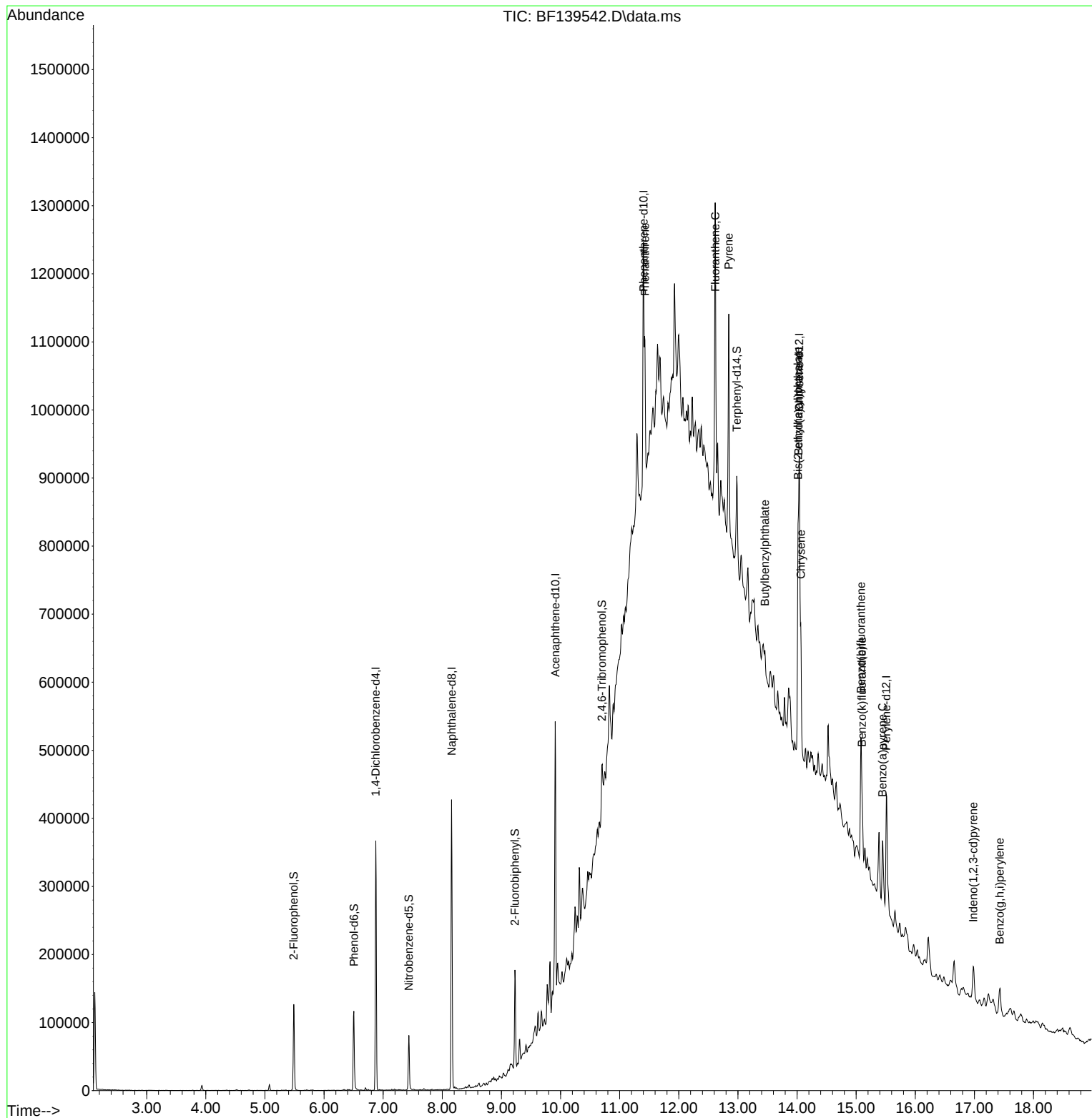
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092524\
Data File : BF139542.D
Acq On : 25 Sep 2024 21:40
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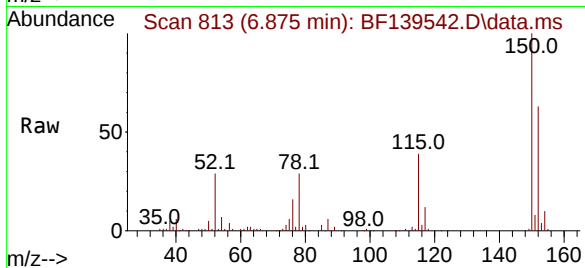
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

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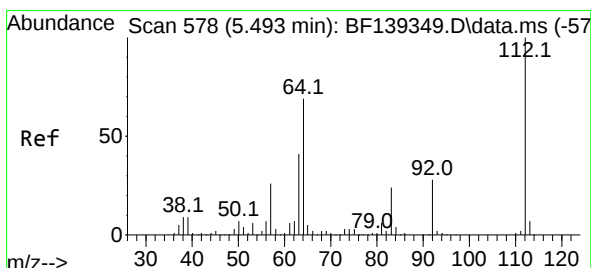
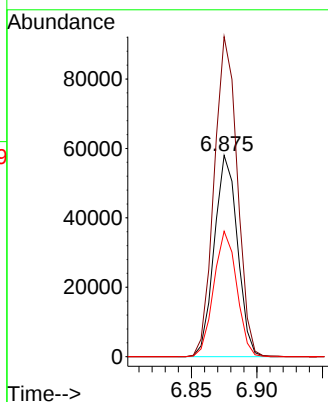
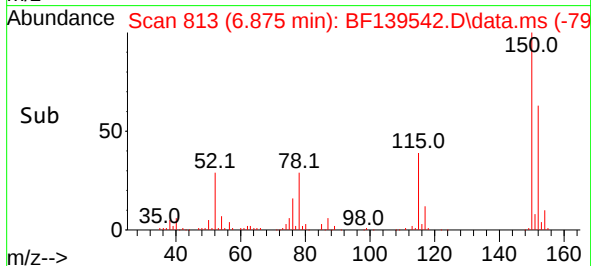


Tgt Ion:152 Resp: 71225
Ion Ratio Lower Upper
152 100
150 159.0 124.1 186.1
115 62.3 48.1 72.1

Manual Integrations

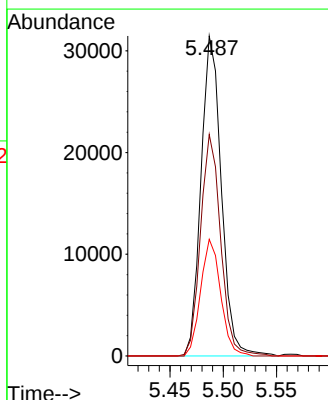
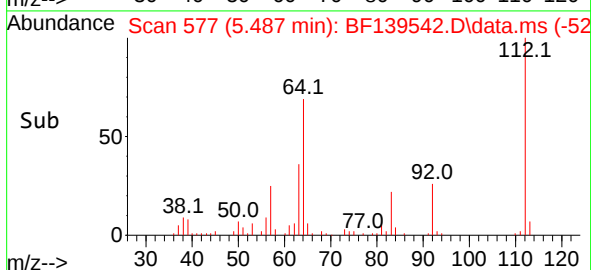
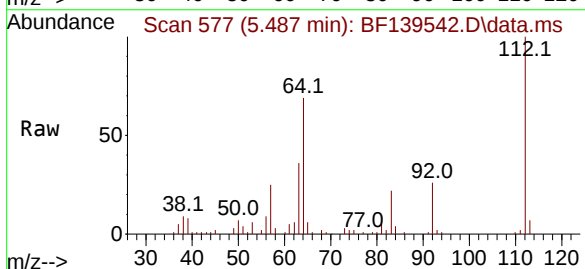
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Supervised By :mohammad ahmed 09/27/2024



#5
2-Fluorophenol
Concen: 9.579 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

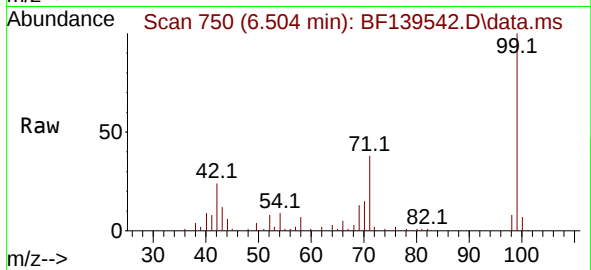
Tgt Ion:112 Resp: 41821
Ion Ratio Lower Upper
112 100
64 69.2 54.8 82.2
63 36.4 33.0 49.4





#7
Phenol-d6
Concen: 9.144 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

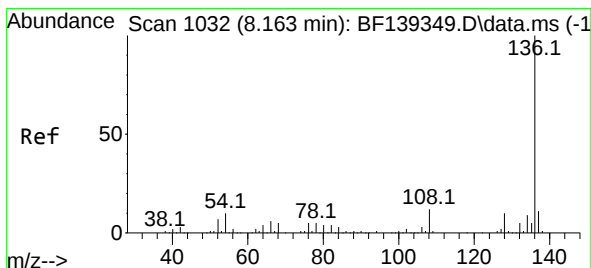
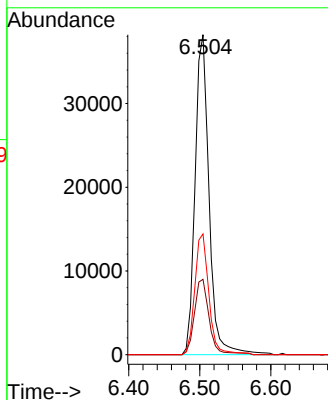
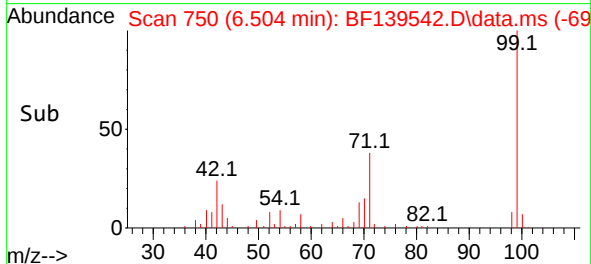
Instrument :
BNA_F
ClientSampleId :
CHRT-24336



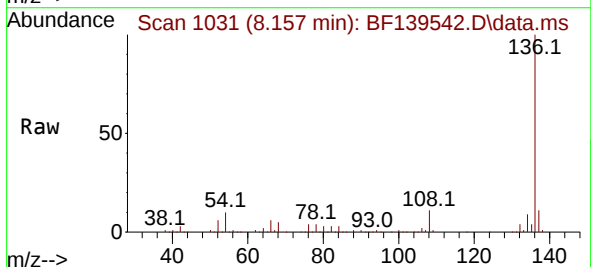
Tgt Ion: 99 Resp: 5240
Ion Ratio Lower Upper
99 100
42 23.6 21.9 32.9
71 37.7 34.6 52.0

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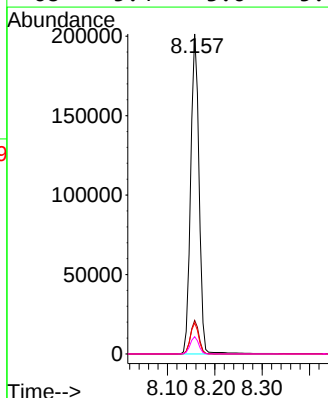
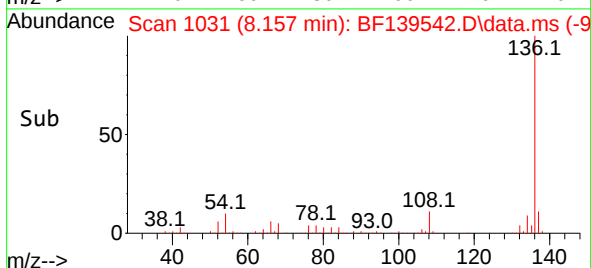
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40



Tgt Ion:136 Resp: 249100
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 9.7 7.8 11.8
68 5.4 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 6.204 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

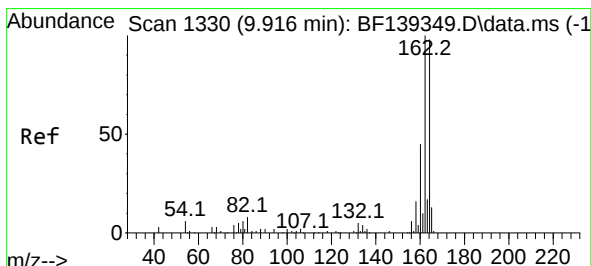
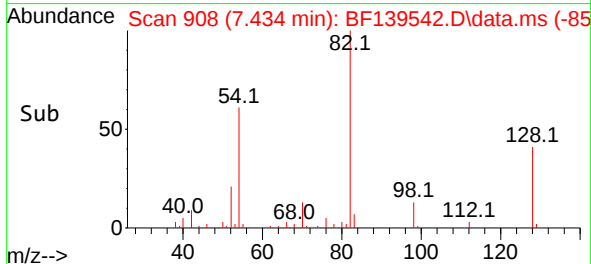
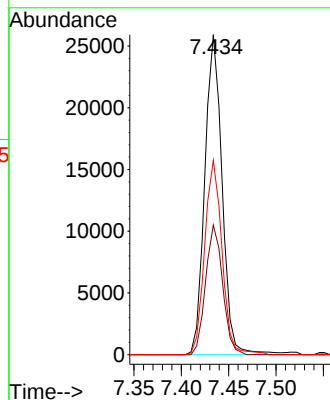
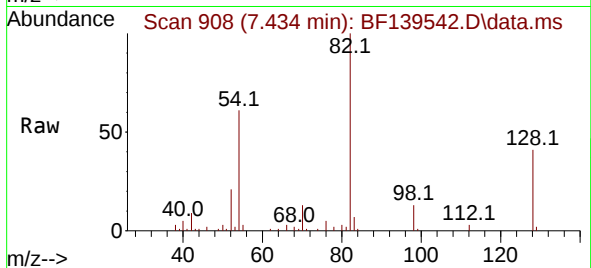
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Tgt Ion: 82	Resp: 3287
Ion Ratio	Lower Upper
82	100
128	40.5 31.8 47.6
54	60.7 50.6 75.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

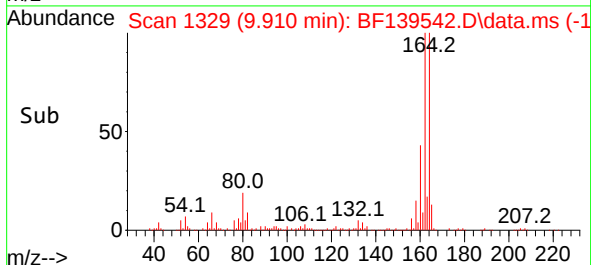
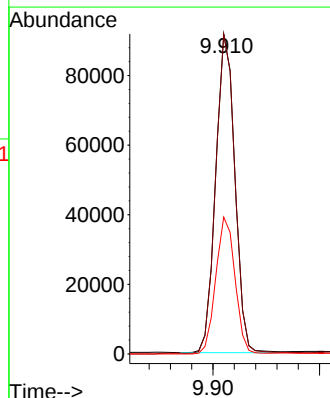
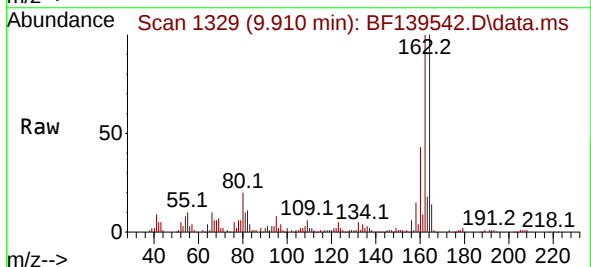
RT: 9.910 min Scan# 1329

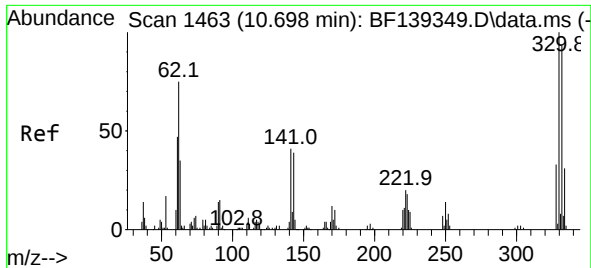
Delta R.T. -0.006 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Tgt Ion:164	Resp: 114093
Ion Ratio	Lower Upper
164	100
162	99.8 81.3 121.9
160	42.7 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 7.379 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

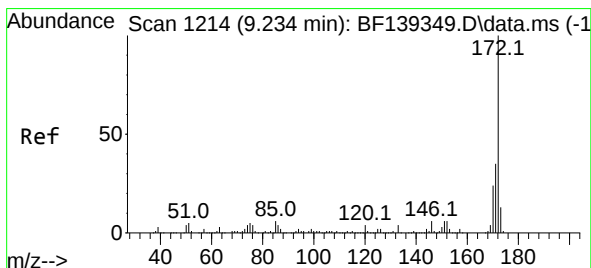
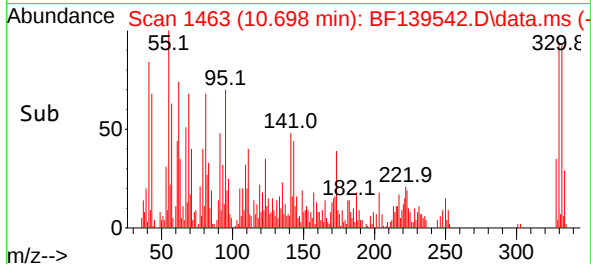
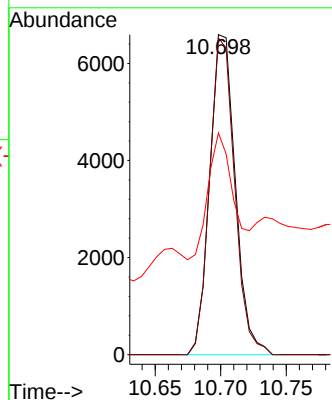
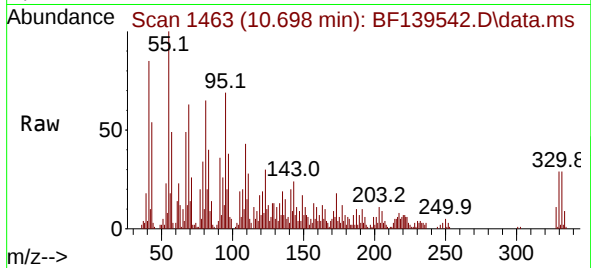
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Tgt Ion:330 Resp: 896
Ion Ratio Lower Upper
330 100
332 96.9 75.2 112.8
141 39.2 31.2 46.8

Manual Integrations

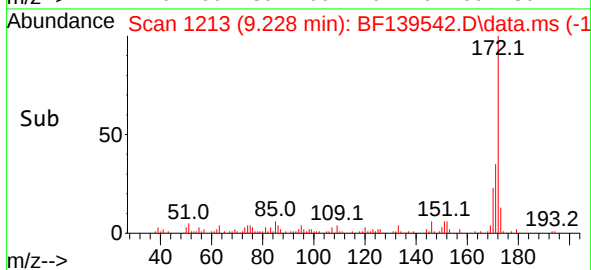
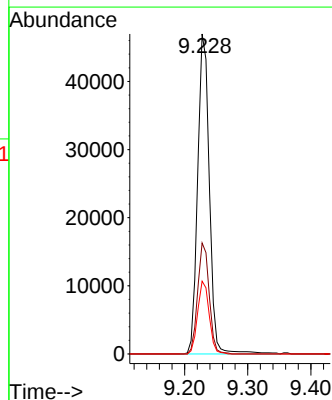
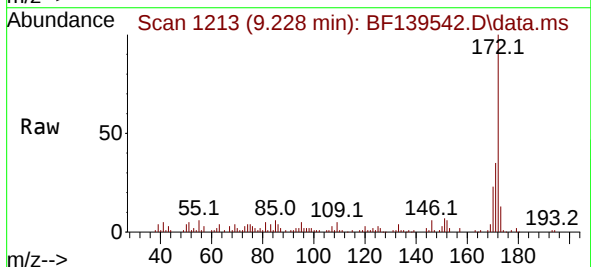
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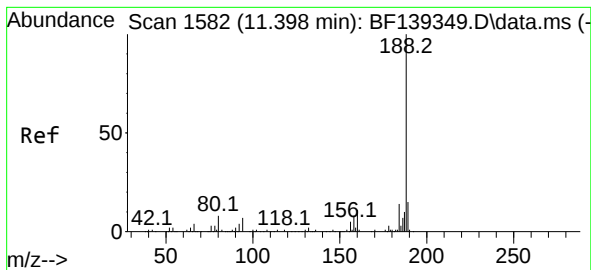
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#45
2-Fluorobiphenyl
Concen: 7.425 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

Tgt Ion:172 Resp: 60404
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 22.7 19.0 28.6





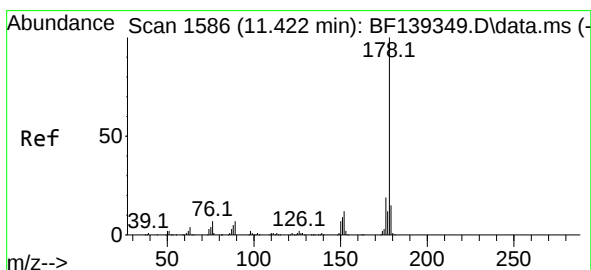
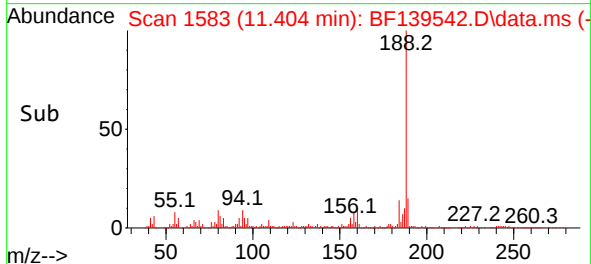
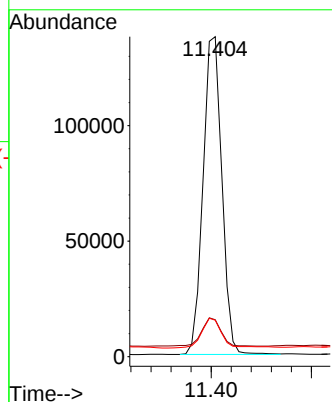
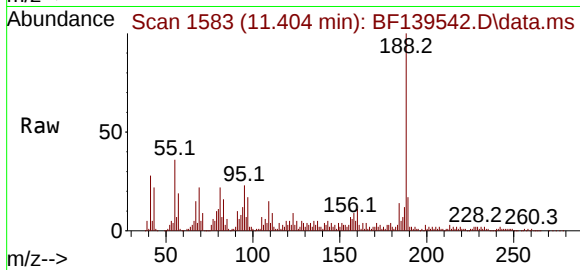
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

Instrument :
BNA_F
ClientSampleId :
CHRT-24336

Tgt Ion:188 Resp: 17936
Ion Ratio Lower Upper
188 100
94 11.5 5.5 8.3
80 11.4 6.6 9.8

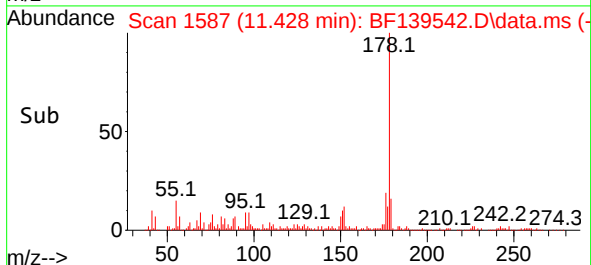
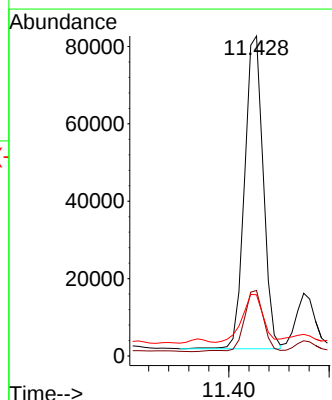
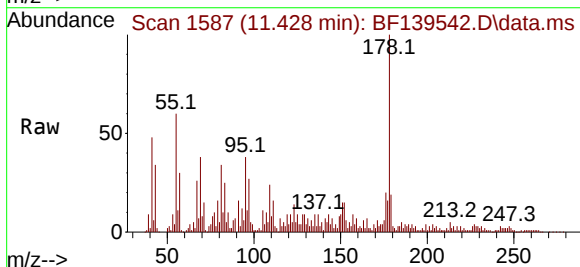
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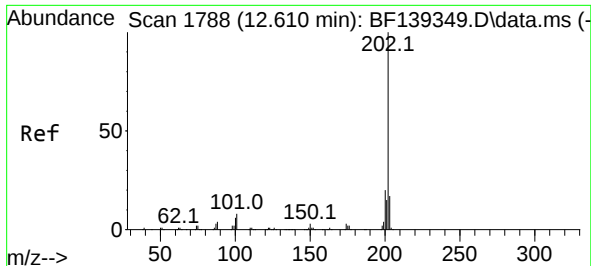
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#71
Phenanthrene
Concen: 12.040 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

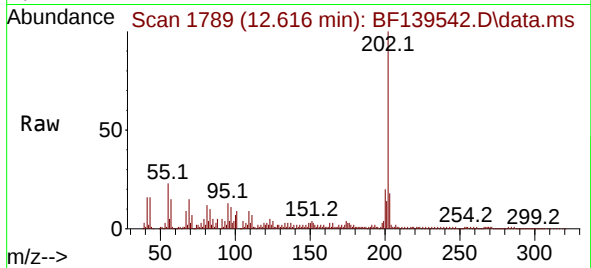
Tgt Ion:178 Resp: 104190
Ion Ratio Lower Upper
178 100
176 20.4 15.2 22.8
179 19.1 12.2 18.4





#75
Fluoranthene
Concen: 27.200 ng
RT: 12.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

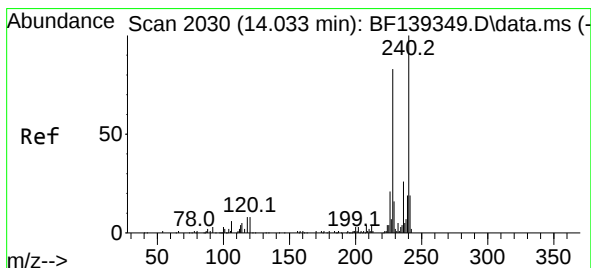
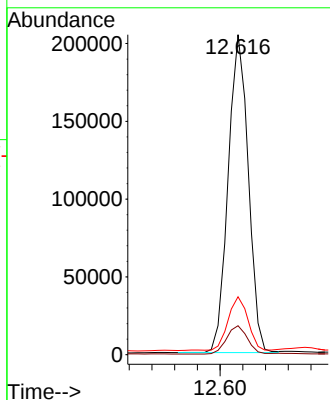
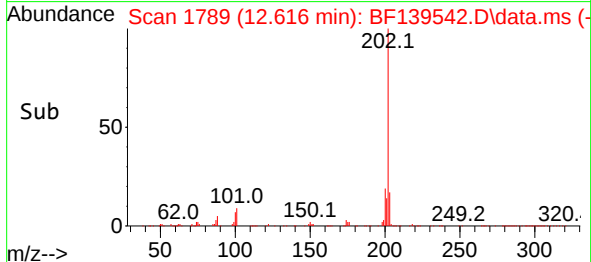
Instrument :
BNA_F
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CHRT-24336



Tgt Ion:202 Resp: 251360
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.7
203 18.1 0.0 37.4

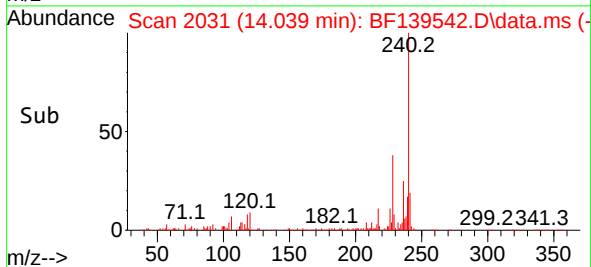
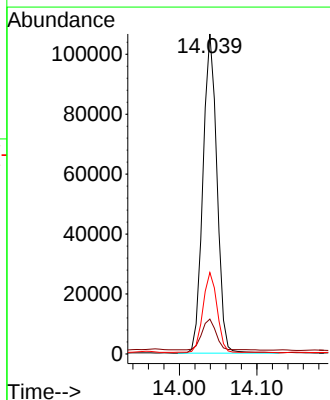
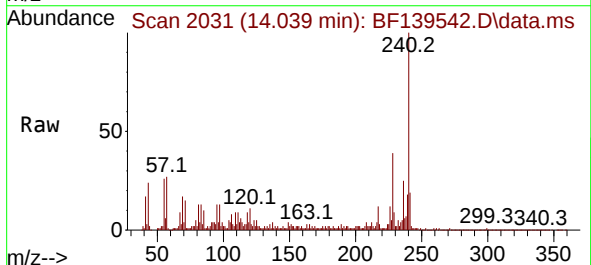
Manual Integrations
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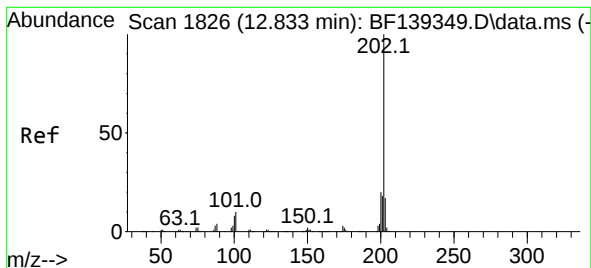
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

Tgt Ion:240 Resp: 133904
Ion Ratio Lower Upper
240 100
120 10.9 6.2 9.2#
236 25.5 20.9 31.3





#78

Pyrene

Concen: 17.663 ng

RT: 12.845 min Scan# 1826

Delta R.T. 0.012 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

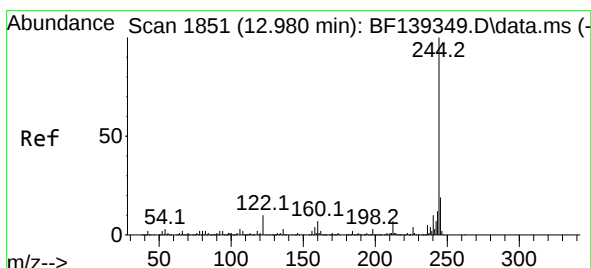
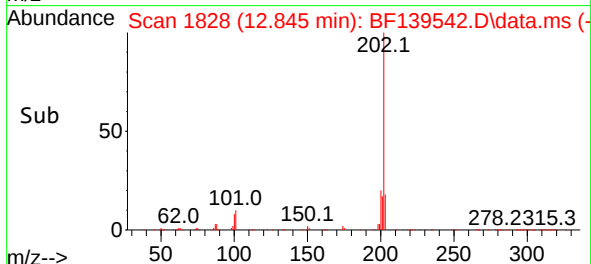
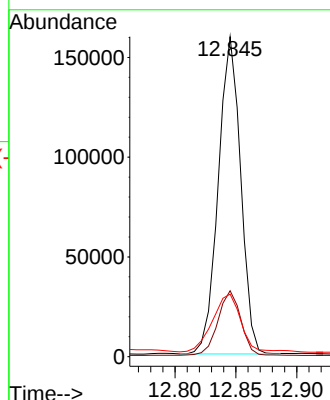
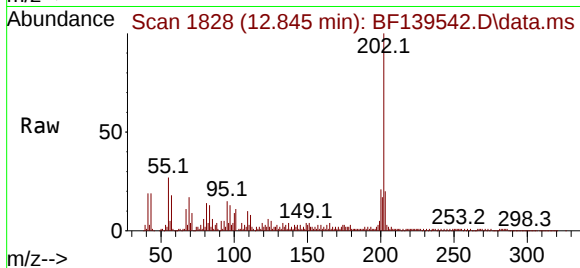
CHRT-24336

Tgt Ion:202 Resp: 20308
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.2 24.2
 203 19.5 13.9 20.9

Manual Integrations

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#79

Terphenyl-d14

Concen: 6.665 ng

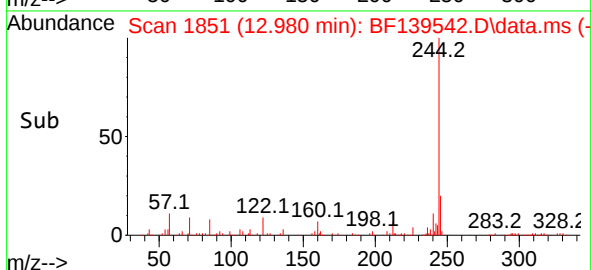
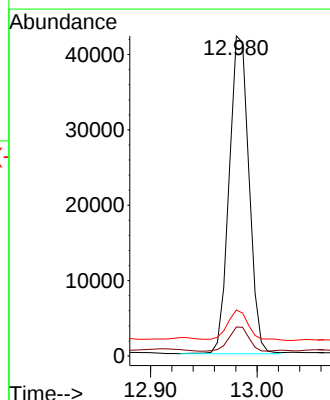
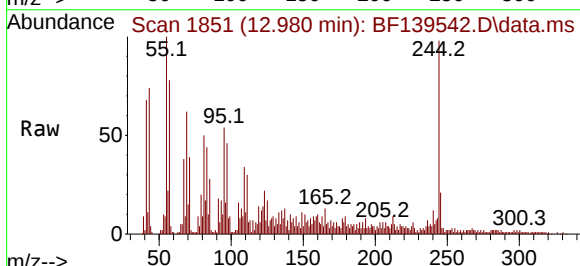
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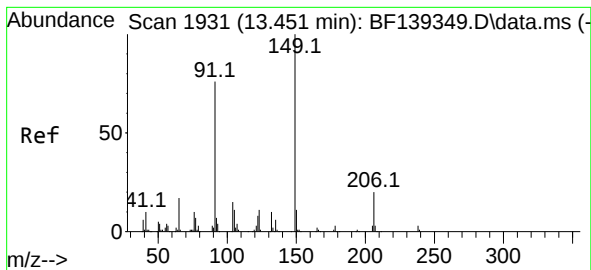
Delta R.T. 0.000 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Tgt Ion:244 Resp: 54372
 Ion Ratio Lower Upper
 244 100
 212 9.1 6.0 9.0#
 122 14.4 7.6 11.4#





#80
Butylbenzylphthalate
Concen: 2.438 ng
RT: 13.457 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

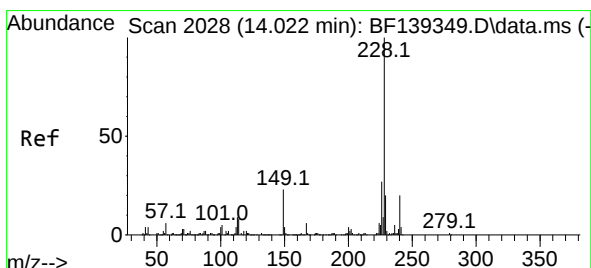
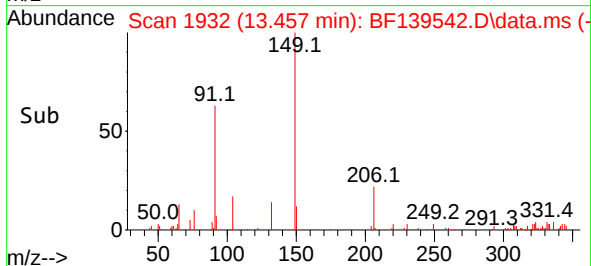
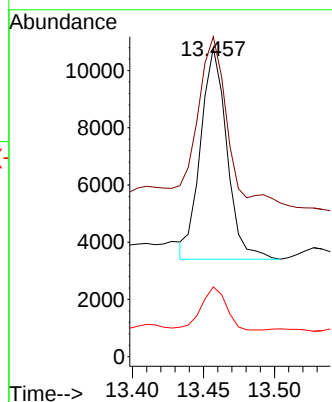
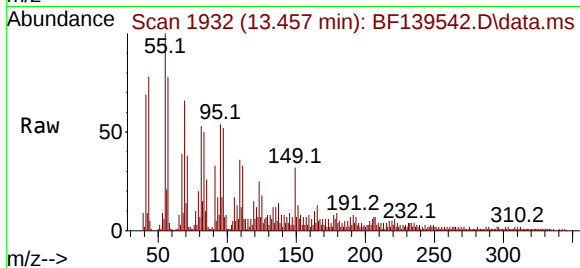
CHRT-24336

Tgt Ion:149 Resp: 954
Ion Ratio Lower Upper
149 100
91 103.6 60.9 91.3
206 22.6 15.8 23.8

Manual Integrations

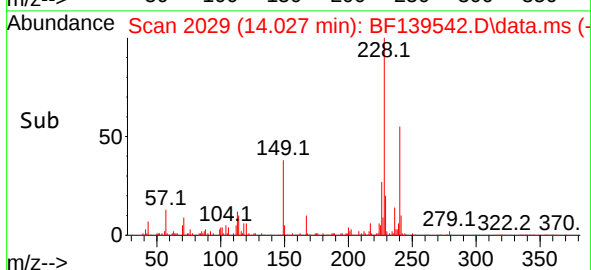
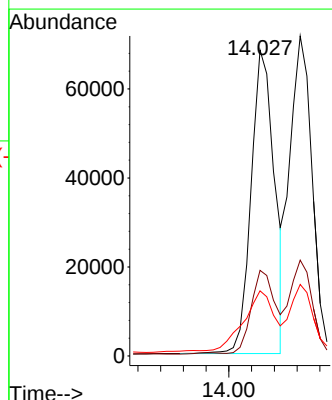
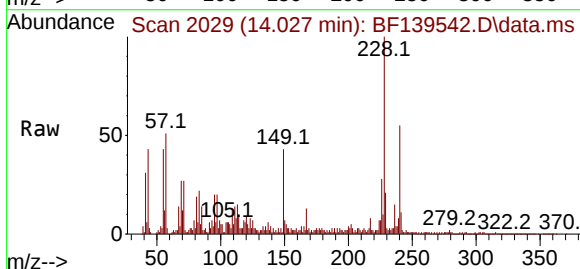
APPROVED

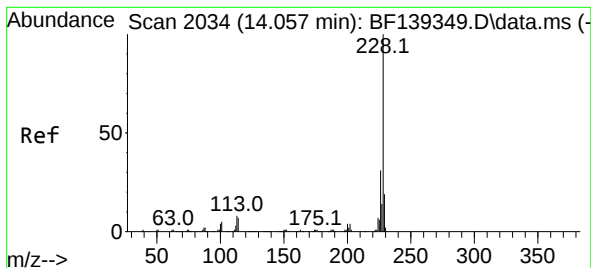
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#81
Benzo(a)anthracene
Concen: 10.972 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

Tgt Ion:228 Resp: 97322
Ion Ratio Lower Upper
228 100
226 28.0 21.6 32.4
229 21.3 15.7 23.5





#83

Chrysene

Concen: 11.888 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

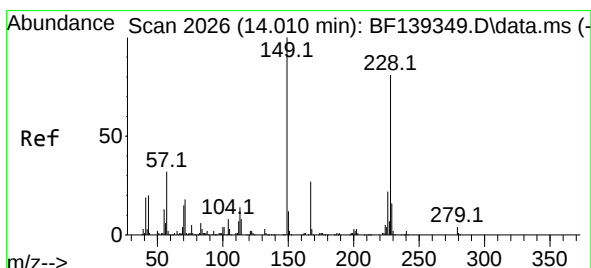
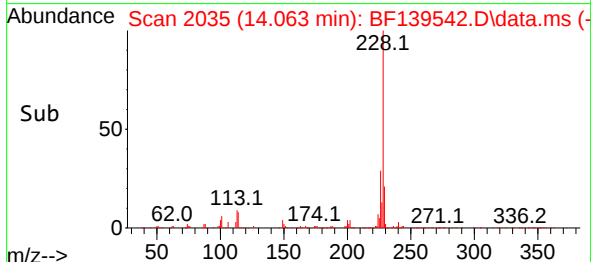
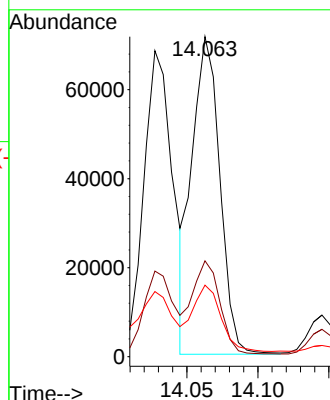
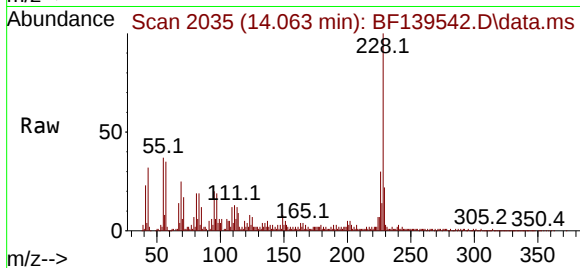
CHRT-24336

Tgt Ion:228	Resp: 97009
Ion Ratio	Lower Upper
228 100	
226 29.9	24.1 36.1
229 22.4	15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.651 ng

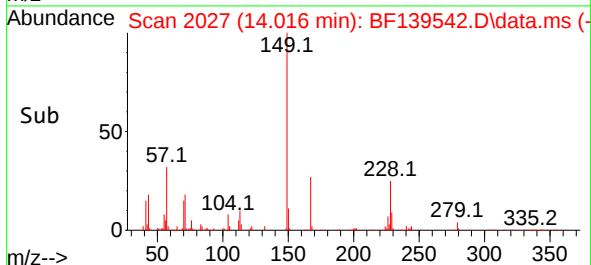
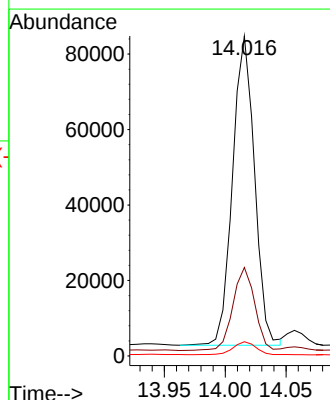
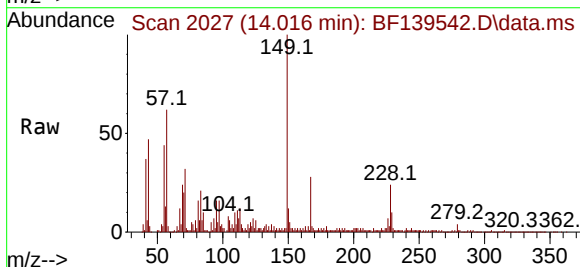
RT: 14.016 min Scan# 2027

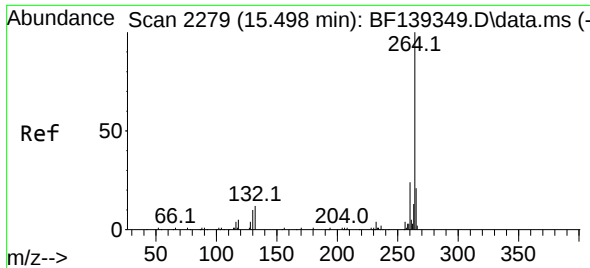
Delta R.T. 0.006 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

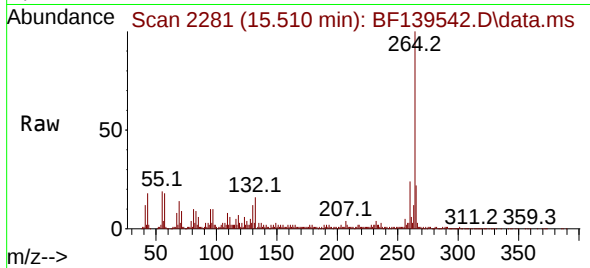
Tgt Ion:149	Resp: 102811
Ion Ratio	Lower Upper
149 100	
167 27.6	21.6 32.4
279 4.4	3.3 4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

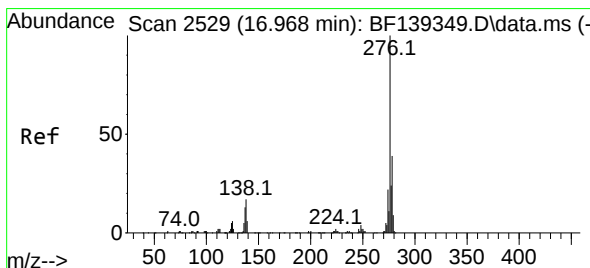
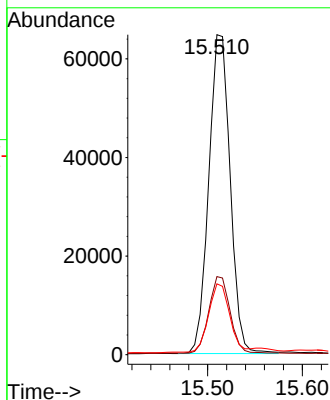
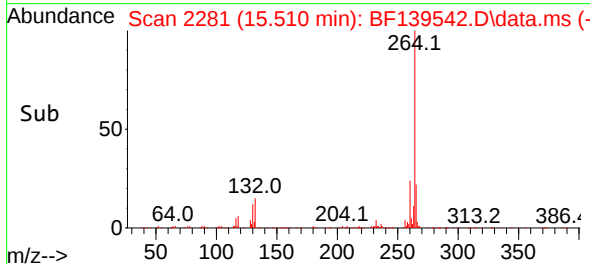
Instrument :
BNA_F
ClientSampleId :
CHRT-24336



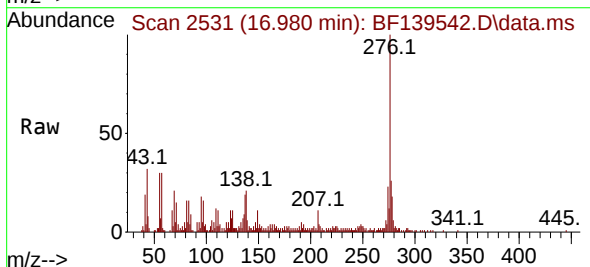
Tgt Ion:264 Resp: 101369
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 22.2 16.6 25.0

Manual Integrations
APPROVED

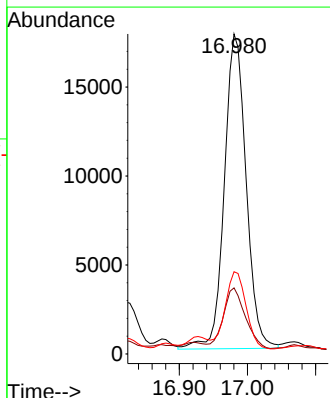
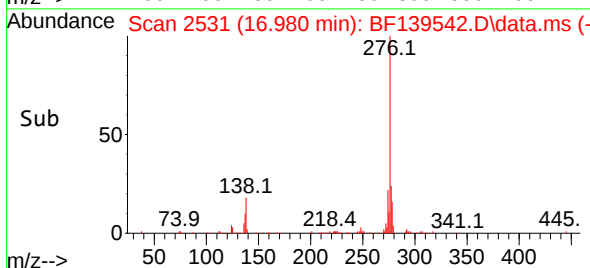
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024

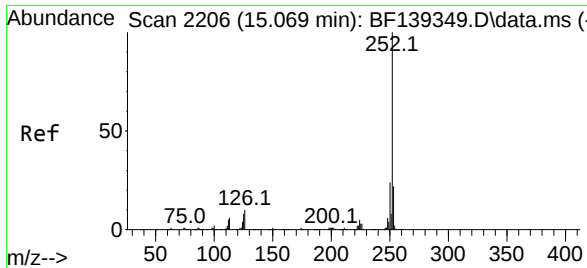


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.538 ng
RT: 16.980 min Scan# 2531
Delta R.T. 0.012 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40



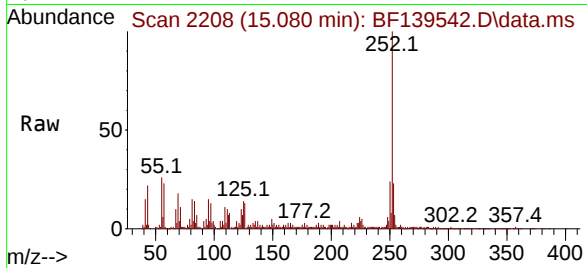
Tgt Ion:276 Resp: 39412
Ion Ratio Lower Upper
276 100
138 19.4 15.4 23.2
277 23.4 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 17.837 ng m
RT: 15.080 min Scan# 2206
Delta R.T. 0.012 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

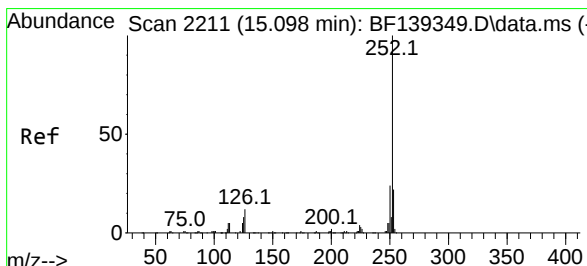
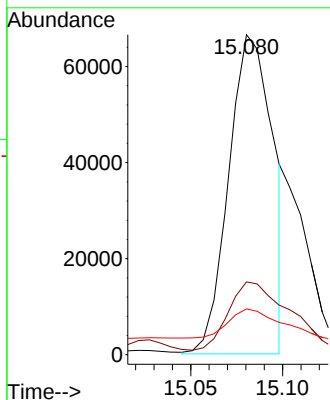
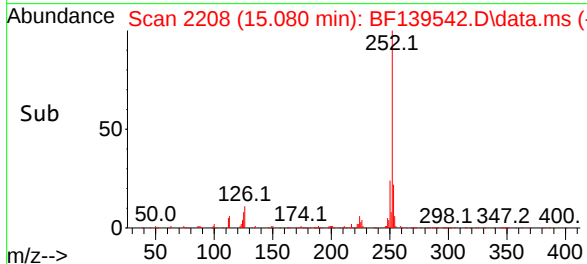
Instrument :
BNA_F
ClientSampleId :
CHRT-24336



Tgt Ion:252 Resp: 111510
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 14.3 6.2 9.2

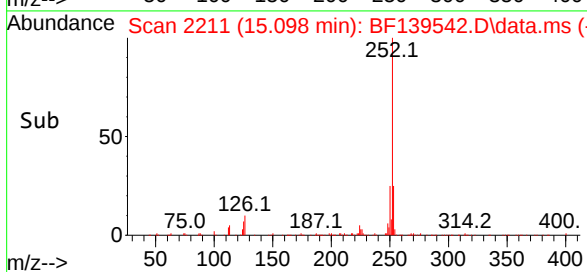
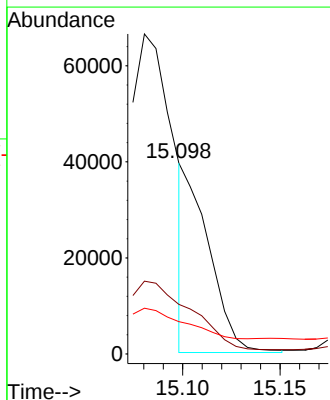
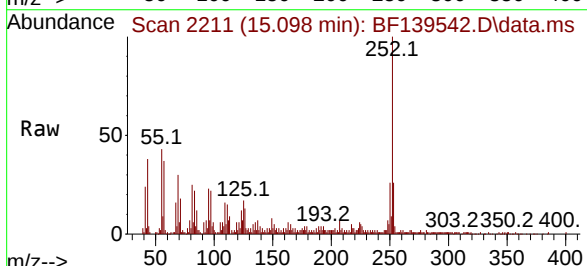
Manual Integrations
APPROVED

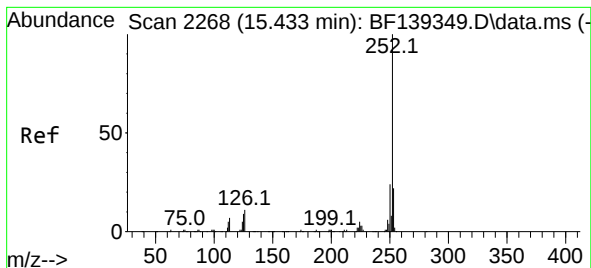
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#89
Benzo(k)fluoranthene
Concen: 5.893 ng m
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

Tgt Ion:252 Resp: 33968
Ion Ratio Lower Upper
252 100
253 26.0 17.3 25.9#
125 17.0 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 11.626 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

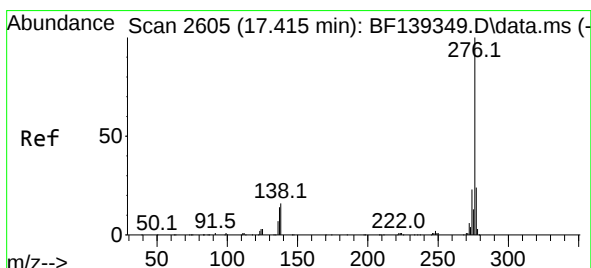
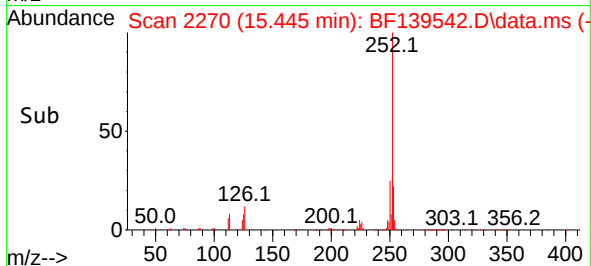
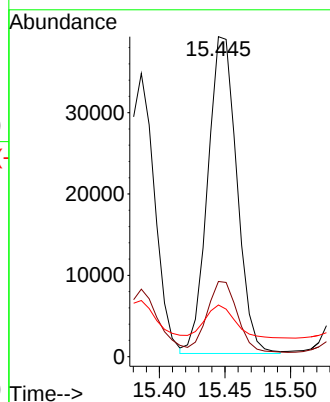
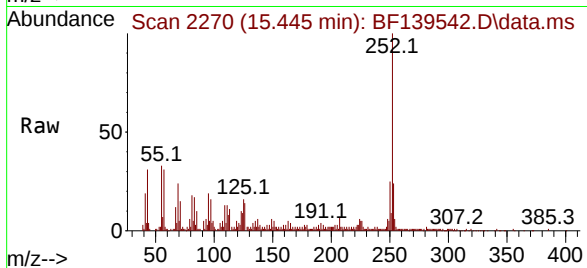
CHRT-24336

Tgt Ion:	252	Resp:	6028
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.3	25.9
125	16.1	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#92

Benzo(g,h,i)perylene

Concen: 7.312 ng

RT: 17.427 min Scan# 2607

Delta R.T. 0.012 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Tgt Ion:	276	Resp:	36060
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.9	28.3
138	20.8	13.0	19.6

