

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092524\
 Data File : BF139538.D
 Acq On : 25 Sep 2024 19:47
 Operator : RC/JU
 Sample : P4172-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20425

Manual Integrations
 APPROVED

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

Quant Time: Sep 26 01:28:22 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	84943	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	315878	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	160510	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	238640	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	156653	20.000	ng	# 0.00
86) Perylene-d12	15.509	264	132212	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	411905	79.107	ng	0.00
7) Phenol-d6	6.504	99	560151	81.960	ng	0.00
23) Nitrobenzene-d5	7.434	82	348156	51.815	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	99168	58.033	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	448883	39.223	ng	0.00
79) Terphenyl-d14	12.980	244	300310	31.466	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	152713	13.264	ng	100
75) Fluoranthene	12.610	202	256415	20.855	ng	98
78) Pyrene	12.839	202	262536	19.518	ng	99
81) Benzo(a)anthracene	14.027	228	153070	14.751	ng	# 90
83) Chrysene	14.063	228	197427	20.680	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.980	276	38489	4.896	ng	99
88) Benzo(b)fluoranthene	15.080	252	155922m	19.122	ng	
89) Benzo(k)fluoranthene	15.098	252	44236m	5.884	ng	
90) Benzo(a)pyrene	15.445	252	110582	16.352	ng	# 95
92) Benzo(g,h,i)perylene	17.427	276	47677	7.412	ng	# 93

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

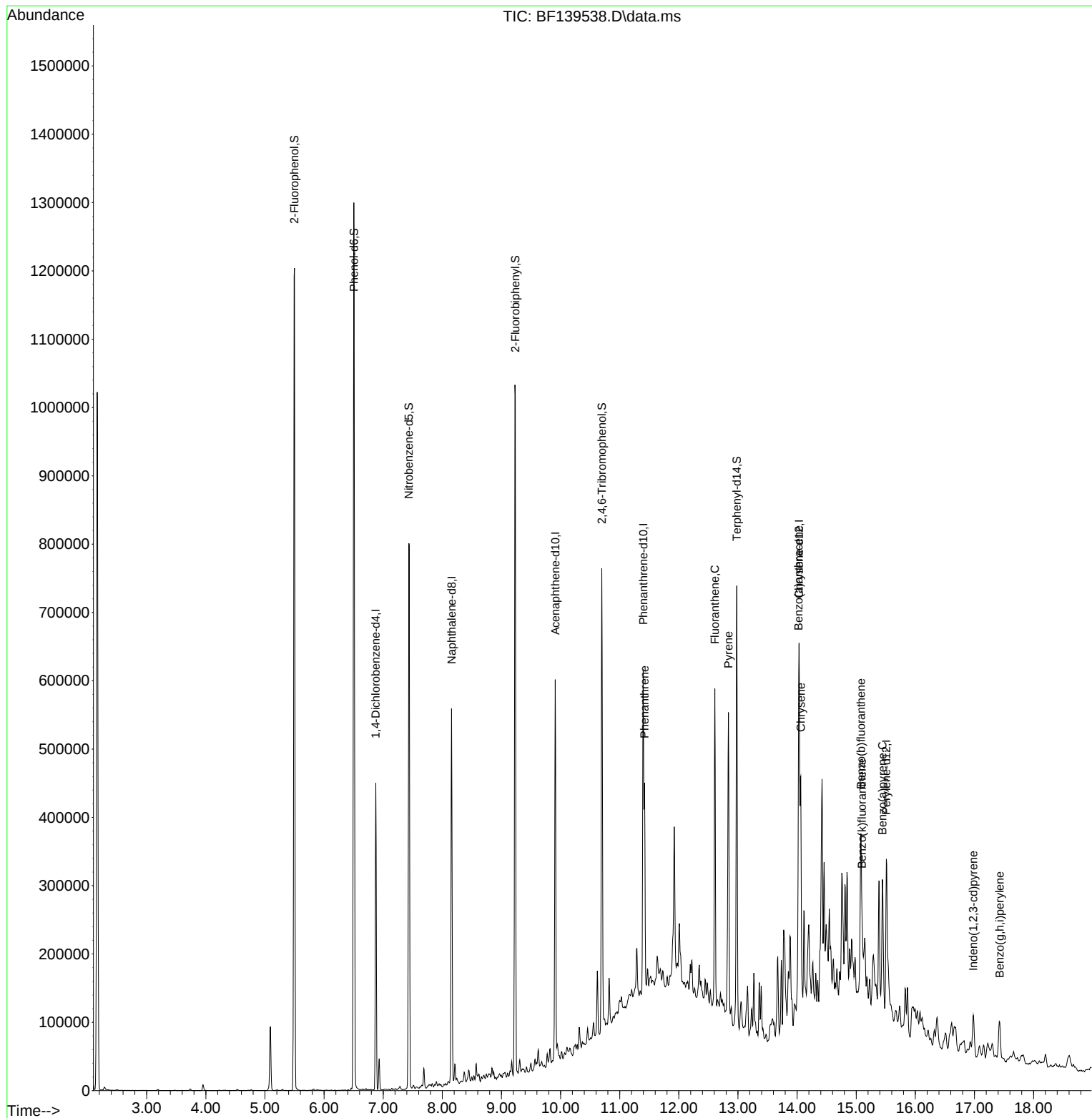
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092524\
Data File : BF139538.D
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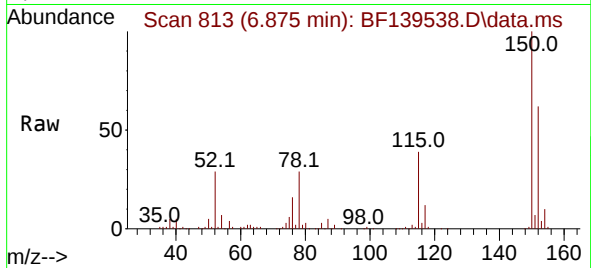
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

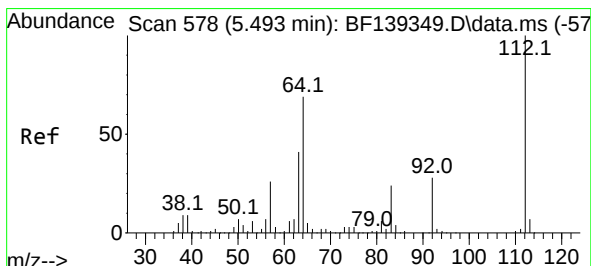
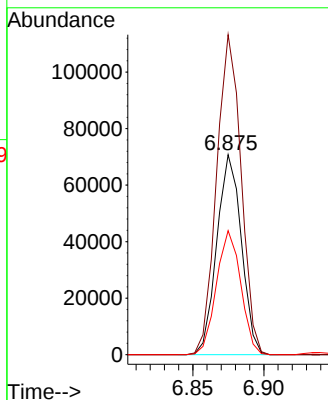
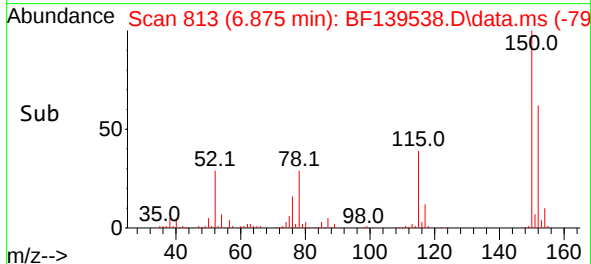
Instrument :
BNA_F
ClientSampleId :
CHRT-20425



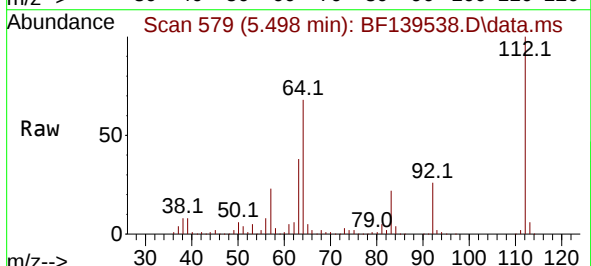
Tgt Ion:152 Resp: 8494
Ion Ratio Lower Upper
152 100
150 160.0 124.1 186.1
115 62.0 48.1 72.1

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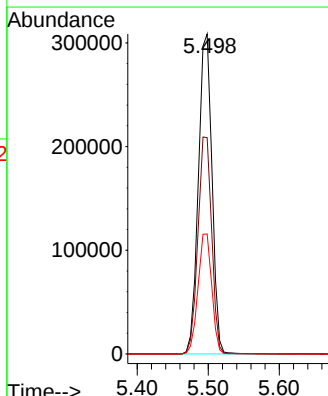
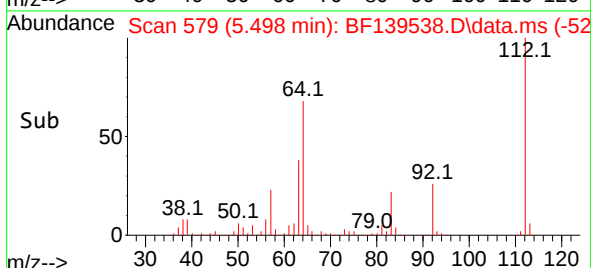
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#5
2-Fluorophenol
Concen: 79.107 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47



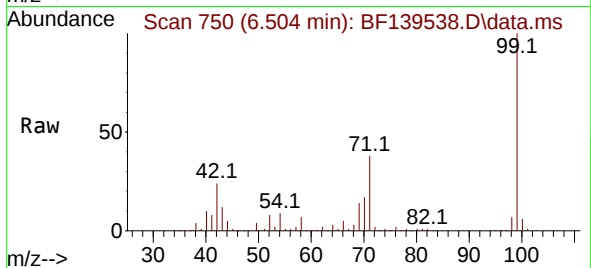
Tgt Ion:112 Resp: 411905
Ion Ratio Lower Upper
112 100
64 67.6 54.8 82.2
63 37.5 33.0 49.4





#7
Phenol-d6
Concen: 81.960 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

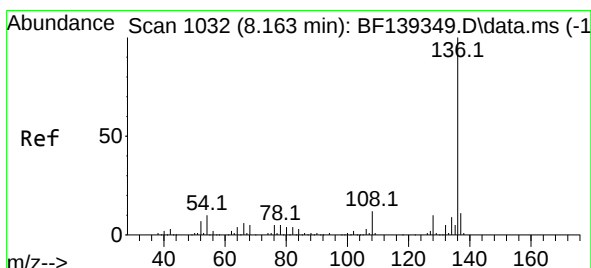
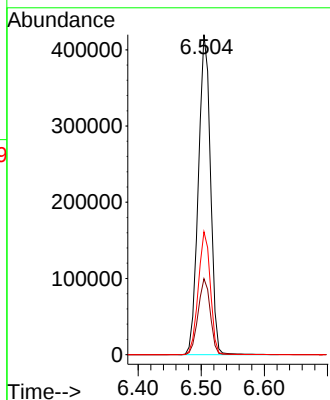
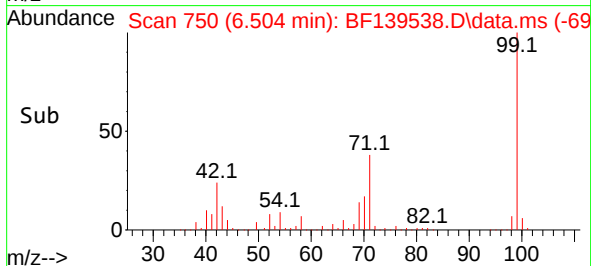
Instrument :
BNA_F
ClientSampleId :
CHRT-20425



Tgt Ion: 99 Resp: 56015
Ion Ratio Lower Upper
99 100
42 23.8 21.9 32.9
71 38.4 34.6 52.0

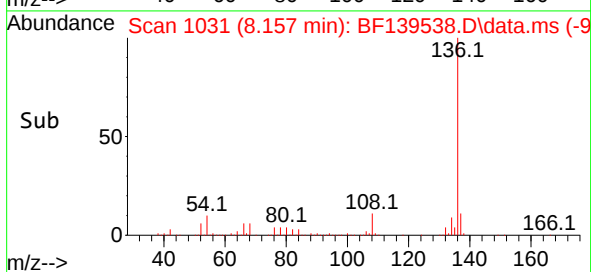
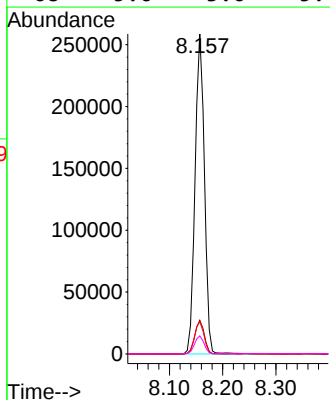
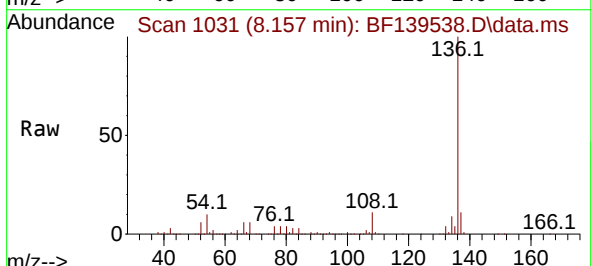
Manual Integrations
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Supervised By :mohammad ahmed 09/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Tgt Ion:136 Resp: 315878
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 10.1 7.8 11.8
68 5.6 3.6 5.4





#23

Nitrobenzene-d5

Concen: 51.815 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139538.D

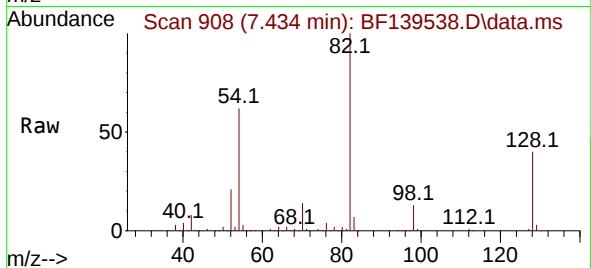
Acq: 25 Sep 2024 19:47

Instrument :

BNA_F

ClientSampleId :

CHRT-20425



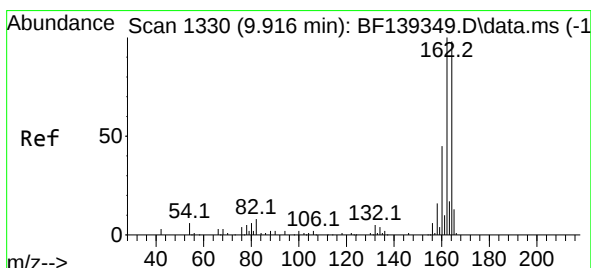
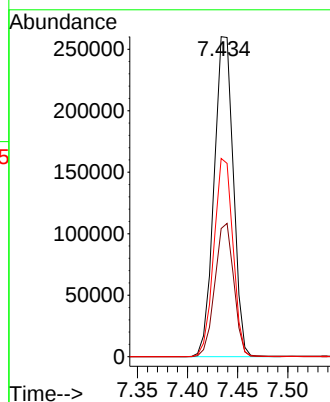
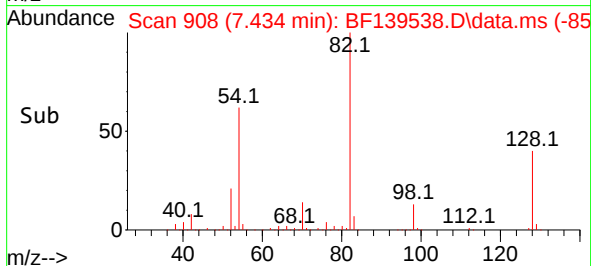
Tgt Ion: 82 Resp: 348150

Ion	Ratio	Lower	Upper
82	100		
128	40.1	31.8	47.6
54	62.0	50.6	75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

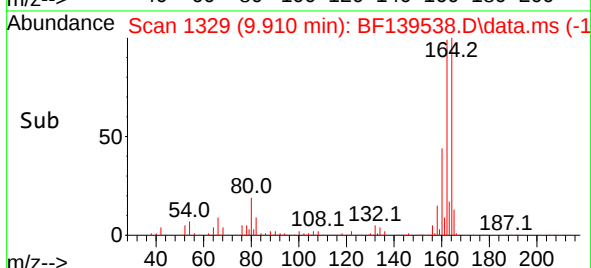
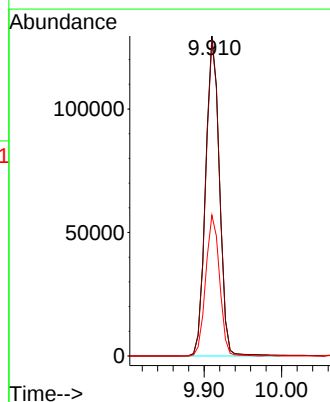
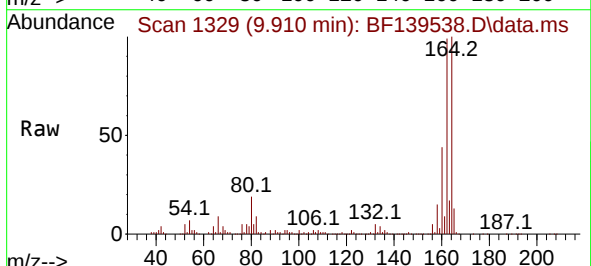
Delta R.T. -0.006 min

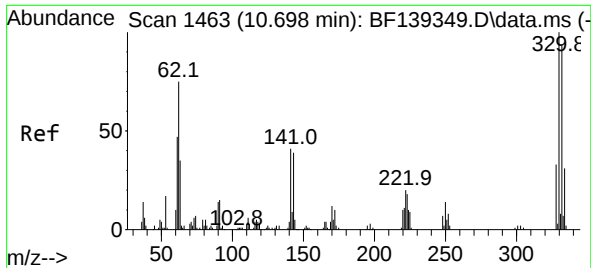
Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

Tgt Ion:164 Resp: 160510

Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.3	121.9
160	44.0	36.4	54.6





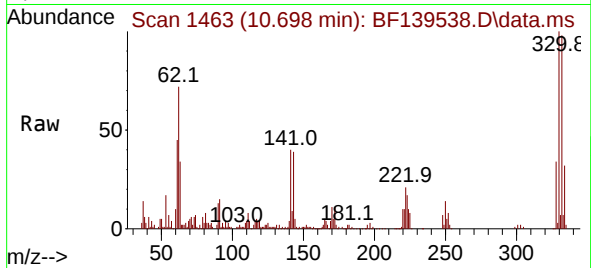
#42
2,4,6-Tribromophenol
Concen: 58.033 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Instrument :

BNA_F

ClientSampleId :

CHRT-20425

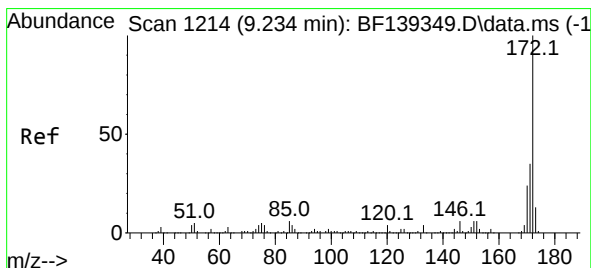
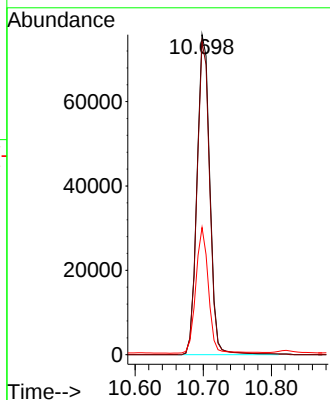
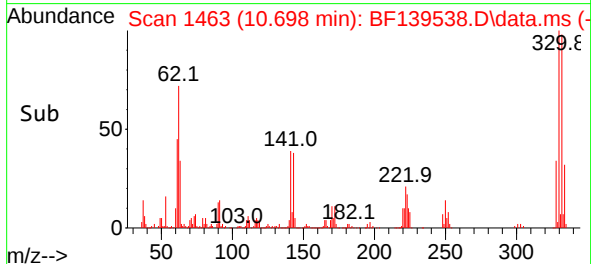


Tgt Ion: 330 Resp: 99168
Ion Ratio Lower Upper
330 100
332 97.2 75.2 112.8
141 38.6 31.2 46.8

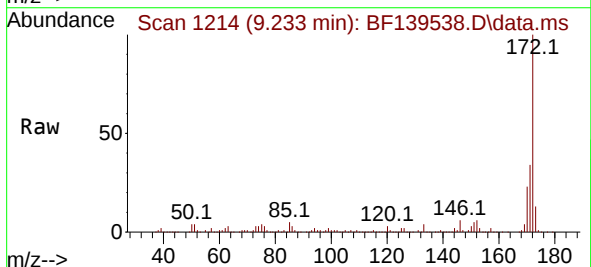
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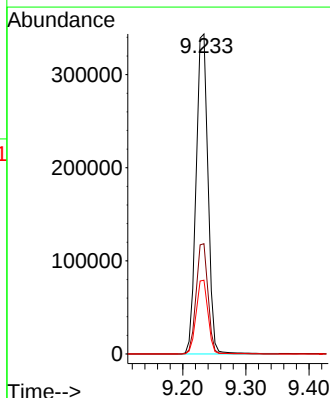
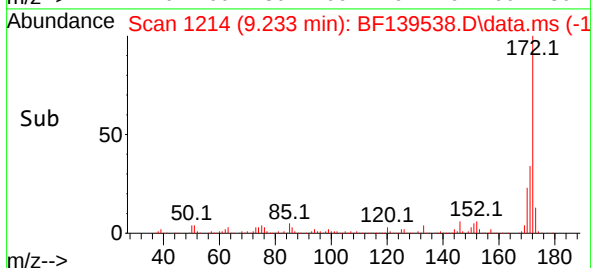
Reviewed By : Jagrut Upadhyay 09/26/2024
Supervised By : mohammad ahmed 09/27/2024

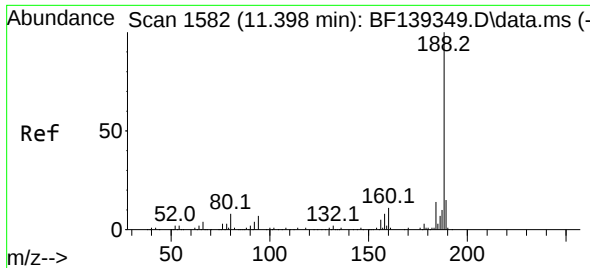


#45
2-Fluorobiphenyl
Concen: 39.223 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47



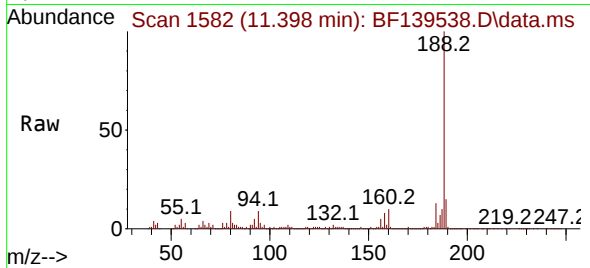
Tgt Ion: 172 Resp: 448883
Ion Ratio Lower Upper
172 100
171 34.4 28.3 42.5
170 23.1 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

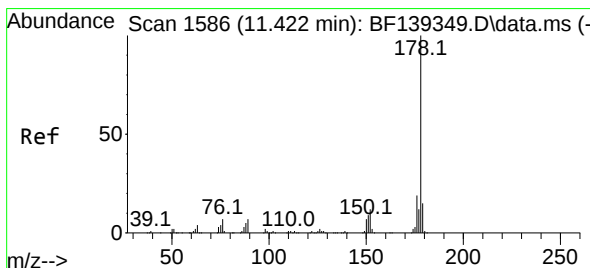
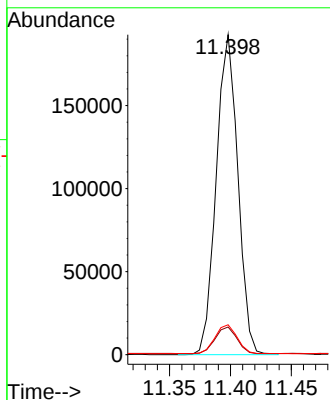
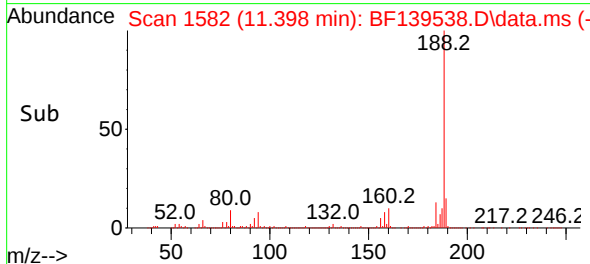
Instrument :
BNA_F
ClientSampleId :
CHRT-20425



Tgt Ion:188 Resp: 238640
Ion Ratio Lower Upper
188 100
94 8.6 5.5 8.3
80 9.4 6.6 9.8

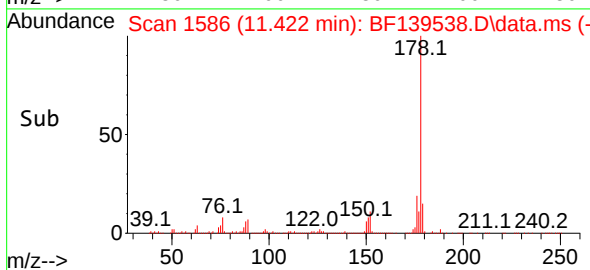
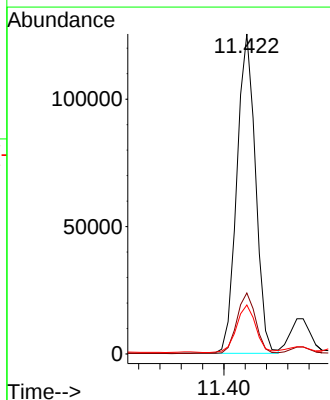
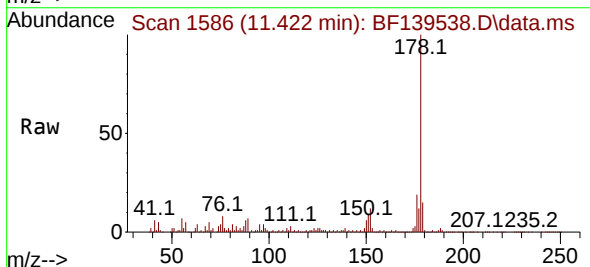
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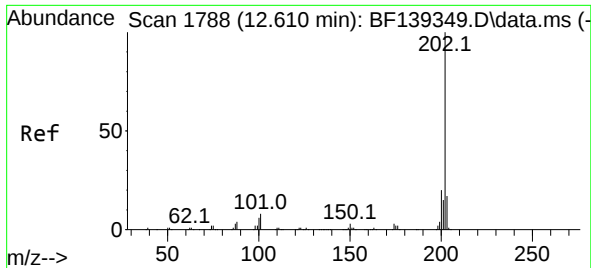
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#71
Phenanthrene
Concen: 13.264 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

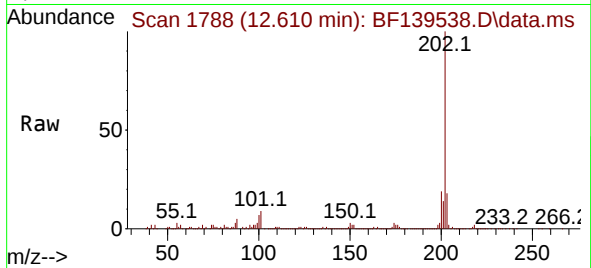
Tgt Ion:178 Resp: 152713
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.3 12.2 18.4





#75
Fluoranthene
Concen: 20.855 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

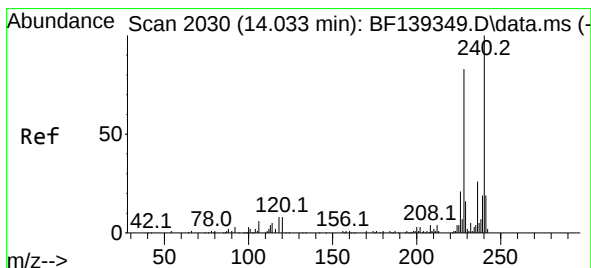
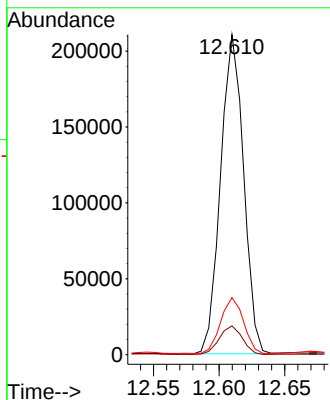
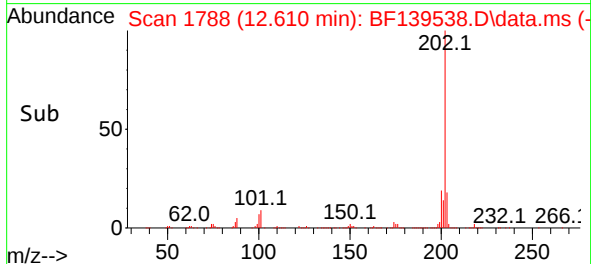
Instrument :
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CHRT-20425



Tgt Ion:202 Resp: 256415
Ion Ratio Lower Upper
202 100
101 9.0 0.0 27.7
203 17.9 0.0 37.4

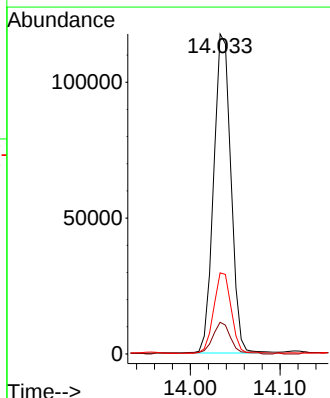
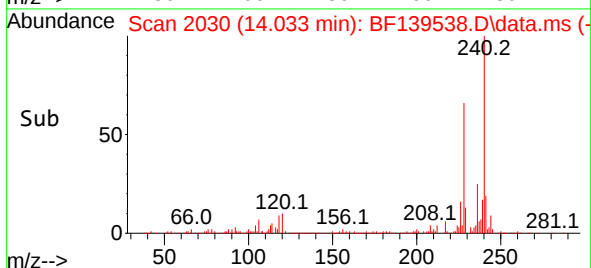
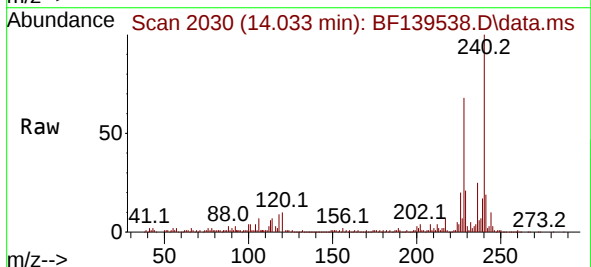
Manual Integrations
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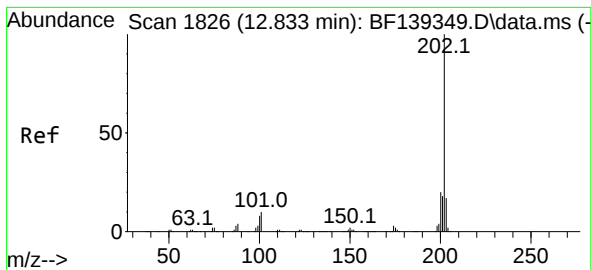
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Tgt Ion:240 Resp: 156653
Ion Ratio Lower Upper
240 100
120 9.9 6.2 9.2#
236 25.4 20.9 31.3





#78

Pyrene

Concen: 19.518 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

Instrument :

BNA_F

ClientSampleId :

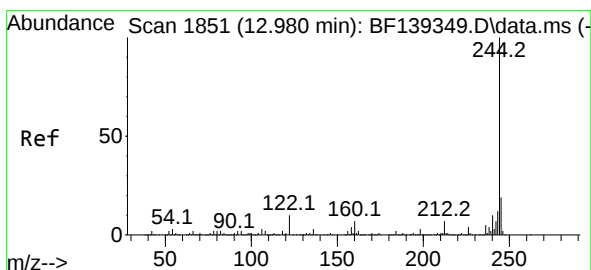
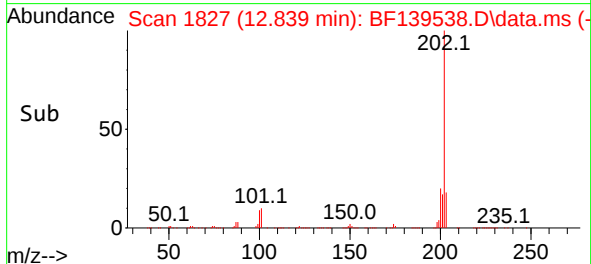
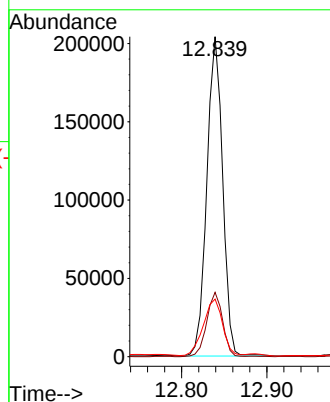
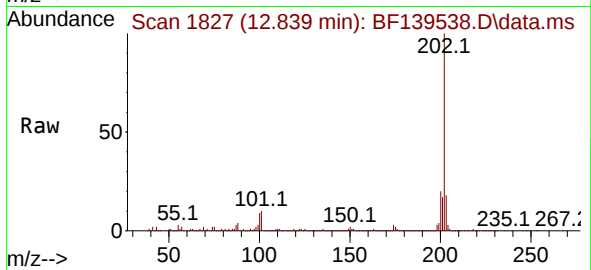
CHRT-20425

Tgt Ion:202 Resp: 262530
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.2 24.2
 203 18.0 13.9 20.9

Manual Integrations

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#79

Terphenyl-d14

Concen: 31.466 ng

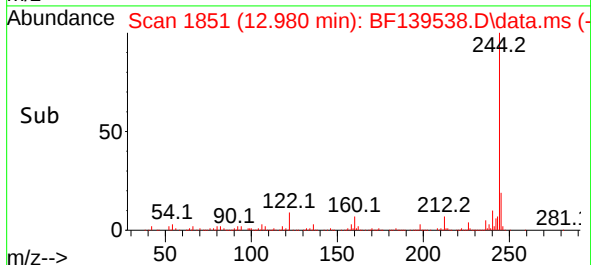
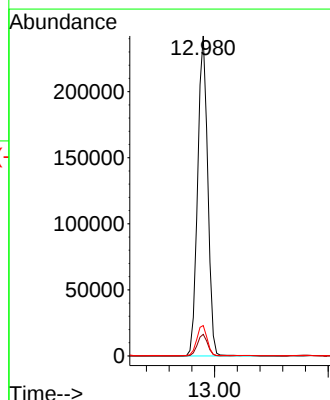
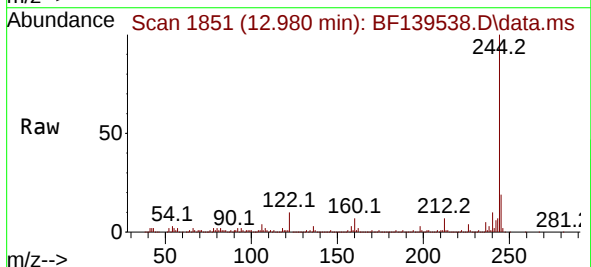
RT: 12.980 min Scan# 1851

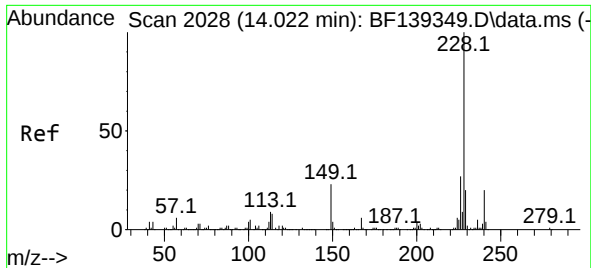
Delta R.T. -0.000 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

Tgt Ion:244 Resp: 300310
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 9.5 7.6 11.4





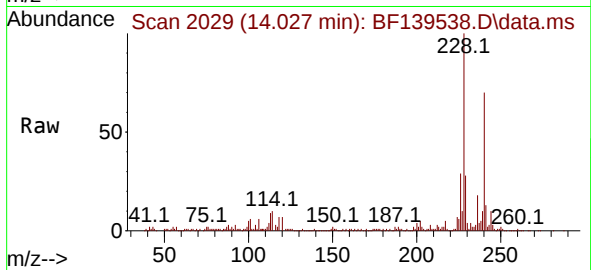
#81
Benzo(a)anthracene
Concen: 14.751 ng
RT: 14.027 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Instrument :

BNA_F

ClientSampleId :

CHRT-20425

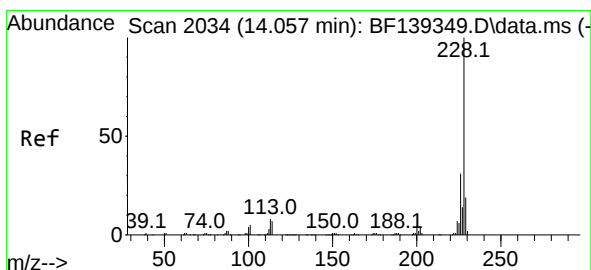
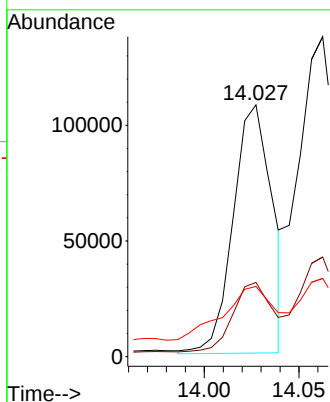
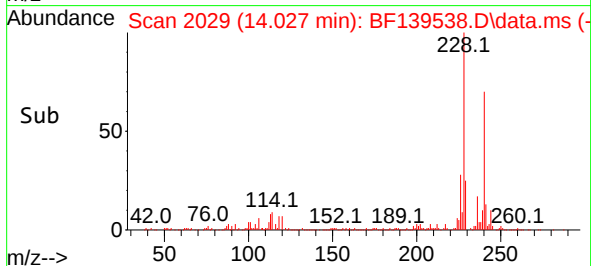


Tgt Ion:228 Resp: 153070
Ion Ratio Lower Upper
228 100
226 29.5 21.6 32.4
229 27.9 15.7 23.5

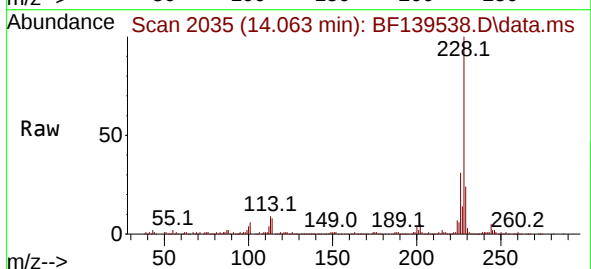
Manual Integrations

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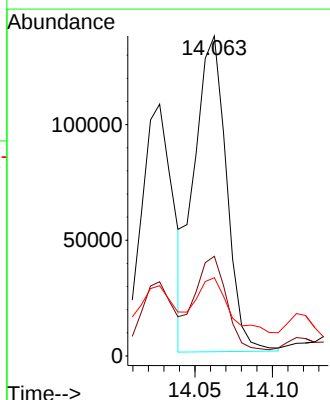
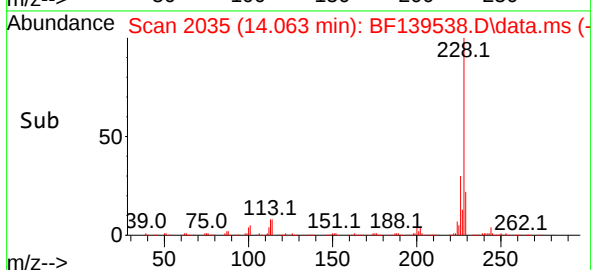
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024

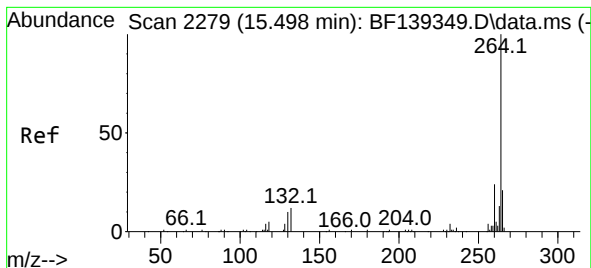


#83
Chrysene
Concen: 20.680 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47



Tgt Ion:228 Resp: 197427
Ion Ratio Lower Upper
228 100
226 31.2 24.1 36.1
229 24.5 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

Instrument :

BNA_F

ClientSampleId :

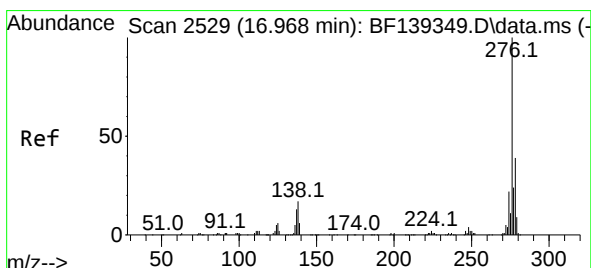
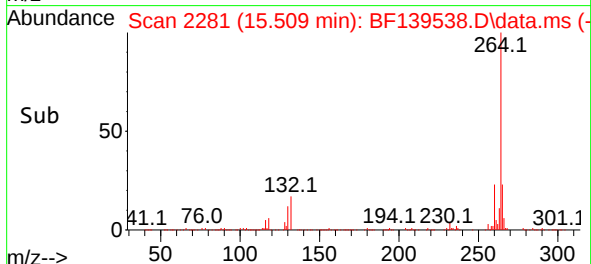
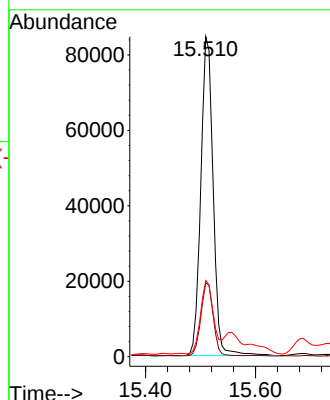
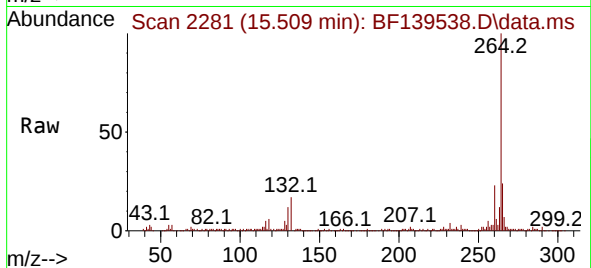
CHRT-20425

Tgt Ion:	264	Resp:	13221
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.5	29.3
265	23.8	16.6	25.0

Manual Integrations

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.896 ng

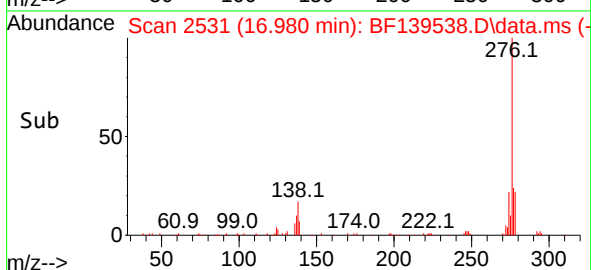
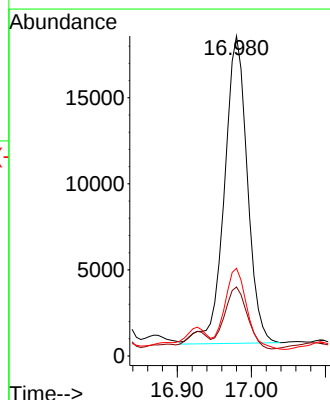
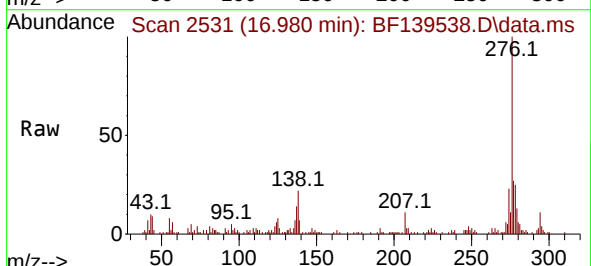
RT: 16.980 min Scan# 2531

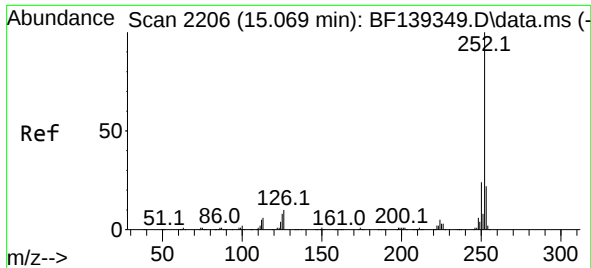
Delta R.T. 0.012 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

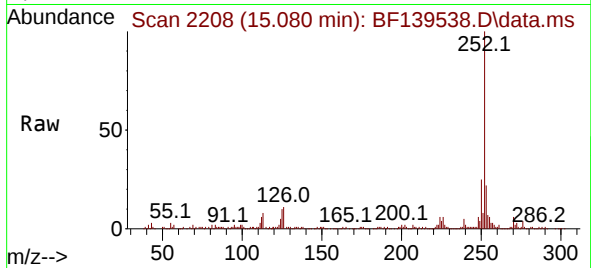
Tgt Ion:	276	Resp:	38489
Ion Ratio	Lower	Upper	
276	100		
138	20.0	15.4	23.2
277	25.5	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 19.122 ng m
RT: 15.080 min Scan# 2206
Delta R.T. 0.012 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

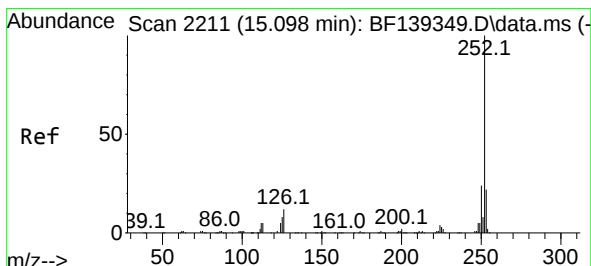
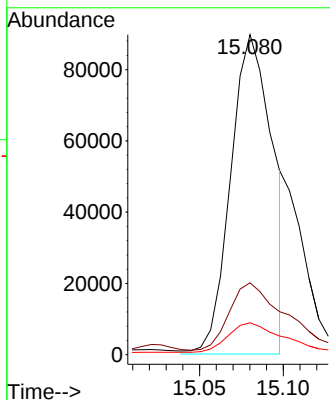
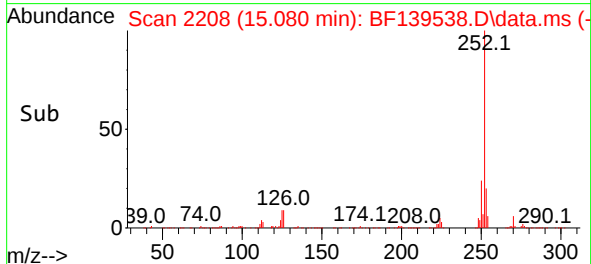
Instrument :
BNA_F
ClientSampleId :
CHRT-20425



Tgt Ion:252 Resp: 15592
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.0 6.2 9.2

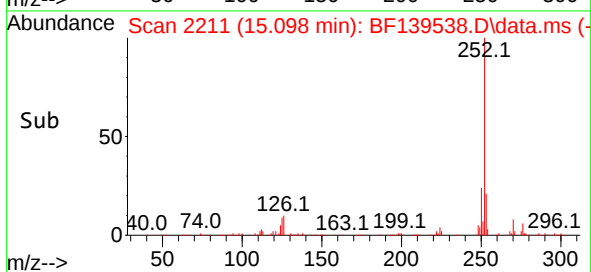
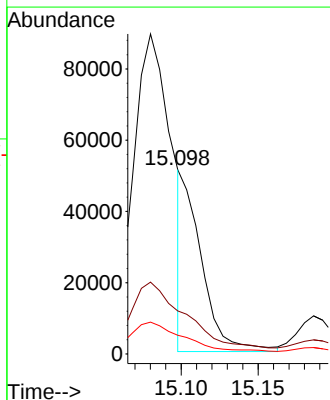
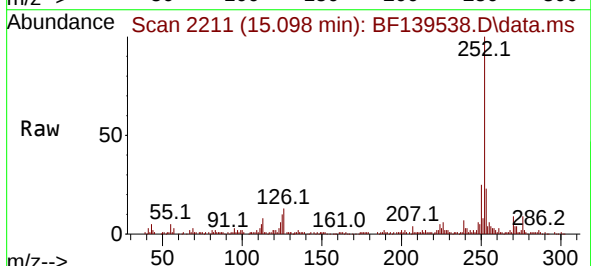
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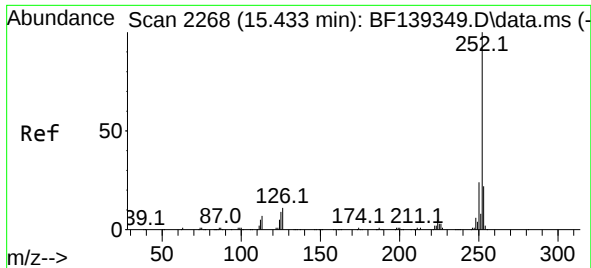
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#89
Benzo(k)fluoranthene
Concen: 5.884 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Tgt Ion:252 Resp: 44236
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 10.2 5.9 8.9





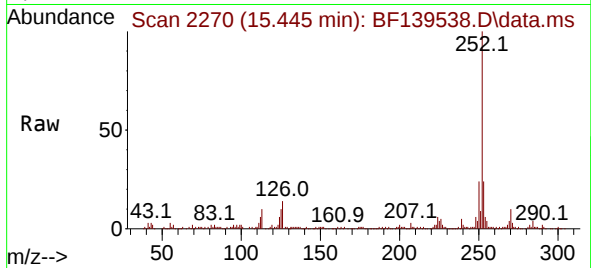
#90
Benzo(a)pyrene
Concen: 16.352 ng
RT: 15.445 min Scan# 210
Delta R.T. 0.012 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Instrument :

BNA_F

ClientSampleId :

CHRT-20425

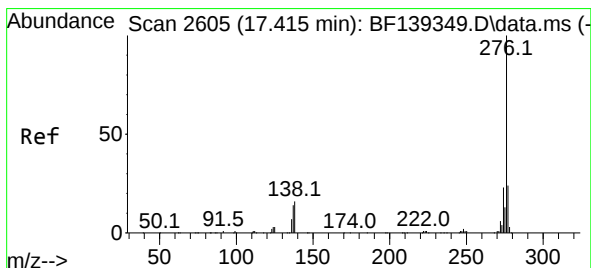
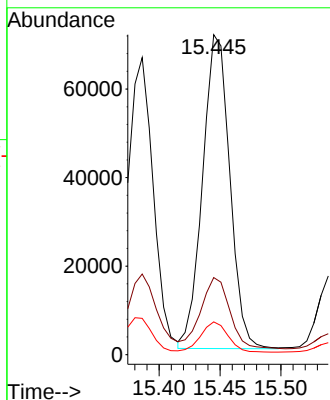
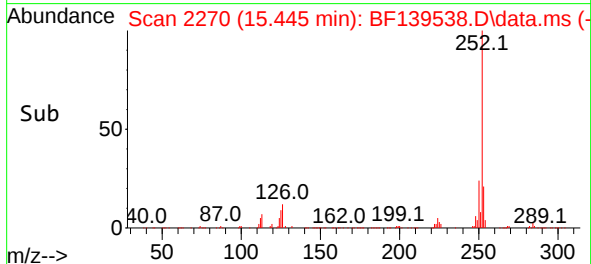


Tgt Ion:252 Resp: 11058
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 10.3 6.8 10.2

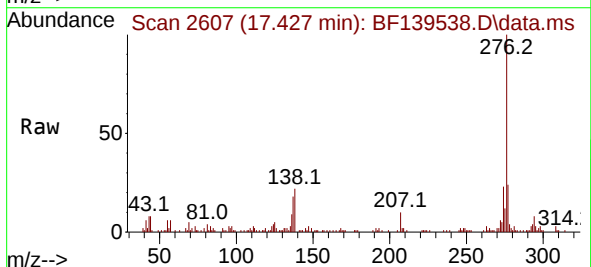
Manual Integrations

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



#92
Benzo(g,h,i)perylene
Concen: 7.412 ng
RT: 17.427 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47



Tgt Ion:276 Resp: 47677
Ion Ratio Lower Upper
276 100
277 24.5 18.9 28.3
138 22.2 13.0 19.6

