

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092524\
 Data File : BF139543.D
 Acq On : 25 Sep 2024 22:08
 Operator : RC/JU
 Sample : P4178-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ231

Manual Integrations
 APPROVED

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

Quant Time: Sep 26 01:30:11 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	68999	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	237039	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	109541	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	187492	20.000	ng	0.00
76) Chrysene-d12	14.039	240	131638	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	97474	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	391602	92.587	ng	0.00
7) Phenol-d6	6.504	99	497423	89.600	ng	0.00
23) Nitrobenzene-d5	7.440	82	323039	64.068	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	91100	78.117	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	545384	69.829	ng	0.00
79) Terphenyl-d14	12.980	244	520995	64.963	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.775	152	41004	4.323	ng	98
58) Fluorene	10.457	166	18538	2.462	ng	# 93
71) Phenanthrene	11.422	178	151862	16.788	ng	100
72) Anthracene	11.475	178	52056	5.886	ng	98
75) Fluoranthene	12.616	202	444327	45.996	ng	99
78) Pyrene	12.845	202	485088	42.917	ng	98
81) Benzo(a)anthracene	14.027	228	230578	26.443	ng	93
83) Chrysene	14.063	228	214705	26.764	ng	98
87) Indeno(1,2,3-cd)pyrene	16.986	276	53205	9.179	ng	99
88) Benzo(b)fluoranthene	15.080	252	160969m	26.777	ng	
89) Benzo(k)fluoranthene	15.098	252	55281m	9.973	ng	
90) Benzo(a)pyrene	15.445	252	114932	23.052	ng	# 98
91) Dibenzo(a,h)anthracene	16.992	278	13559	2.831	ng	# 79
92) Benzo(g,h,i)perylene	17.427	276	55552	11.714	ng	# 95

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

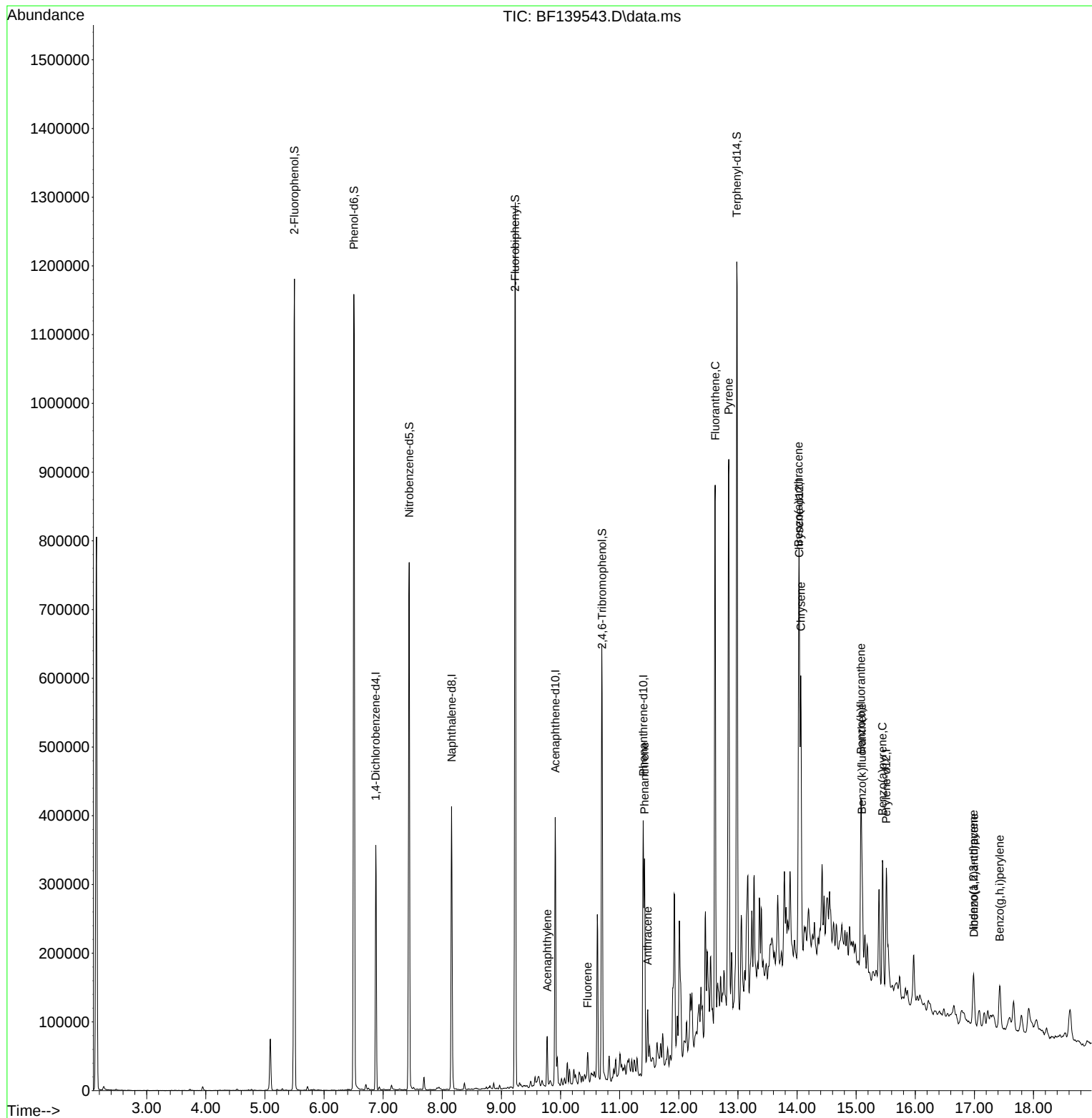
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092524\
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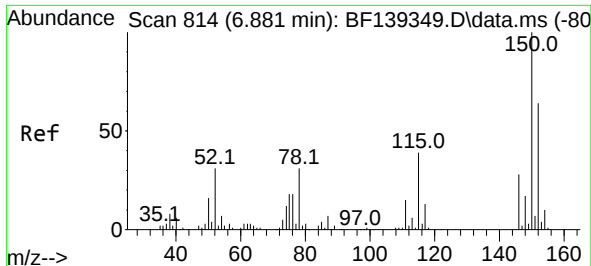
Instrument :
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Quant Time: Sep 26 01:30:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
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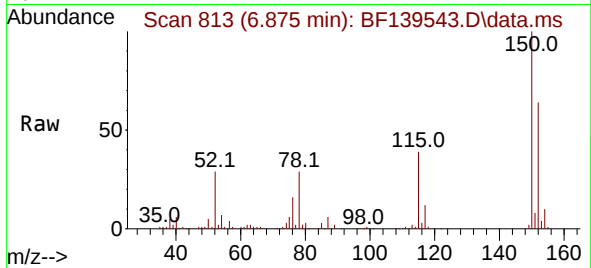
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

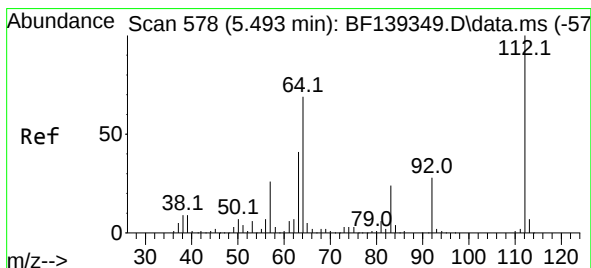
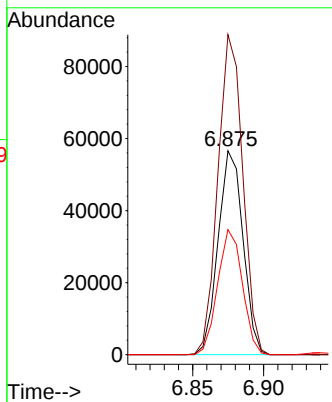
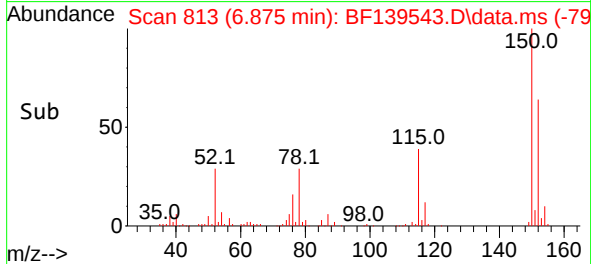
Instrument :
BNA_F
ClientSampleId :
VNJ231



Tgt Ion:152 Resp: 68999
Ion Ratio Lower Upper
152 100
150 157.0 124.1 186.1
115 61.4 48.1 72.1

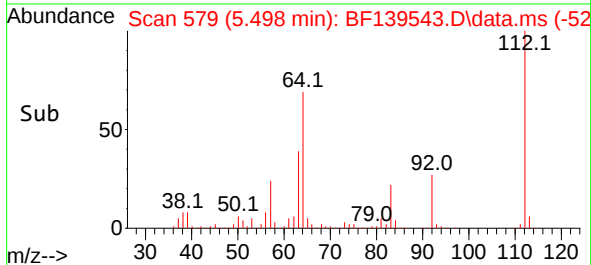
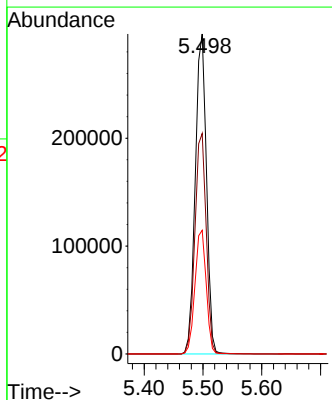
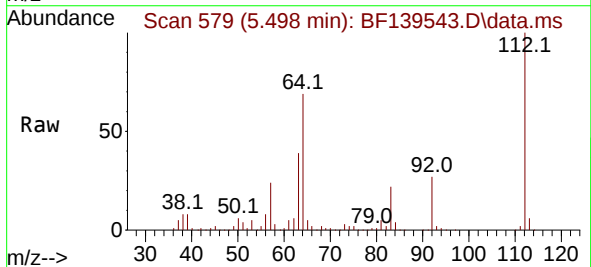
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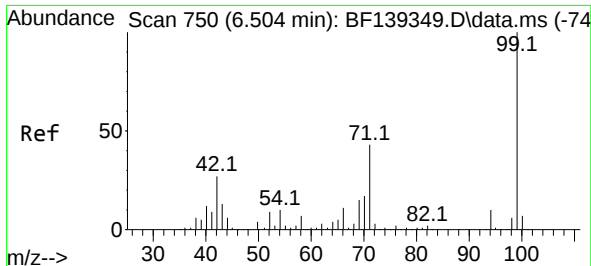
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#5
2-Fluorophenol
Concen: 92.587 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

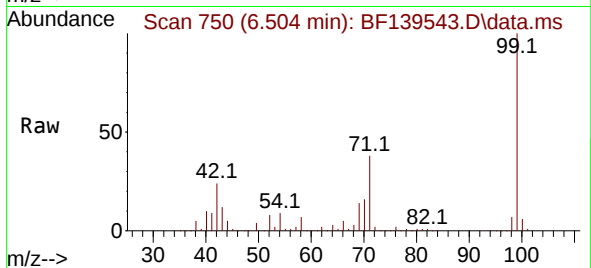
Tgt Ion:112 Resp: 391602
Ion Ratio Lower Upper
112 100
64 68.9 54.8 82.2
63 38.6 33.0 49.4





#7
Phenol-d6
Concen: 89.600 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

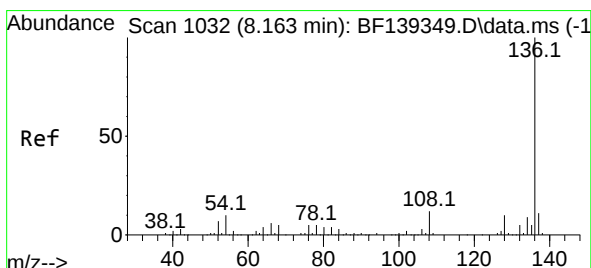
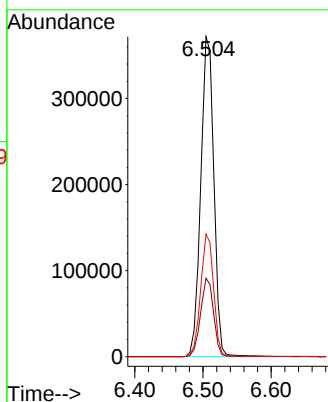
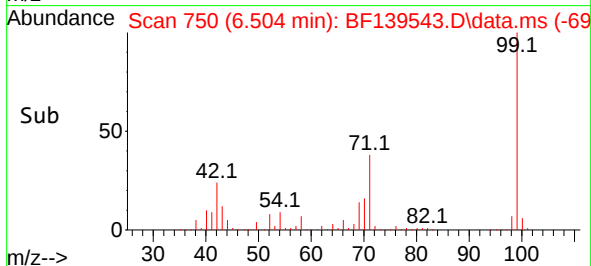
Instrument :
BNA_F
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VNJ231



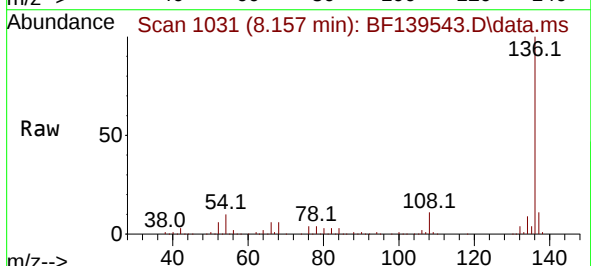
Tgt Ion: 99 Resp: 49742
Ion Ratio Lower Upper
99 100
42 24.5 21.9 32.9
71 38.3 34.6 52.0

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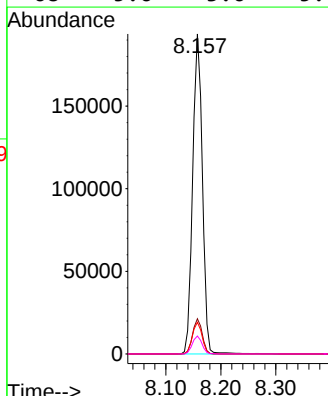
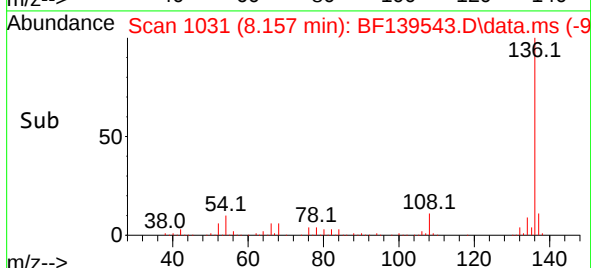
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024

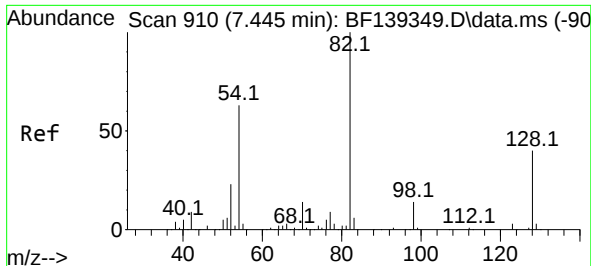


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08



Tgt Ion:136 Resp: 237039
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.9 7.8 11.8
68 5.6 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 64.068 ng

RT: 7.440 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF139543.D

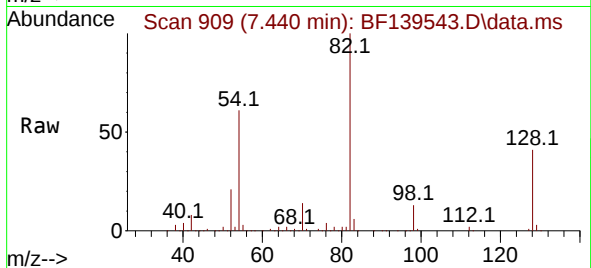
Acq: 25 Sep 2024 22:08

Instrument :

BNA_F

ClientSampleId :

VNJ231



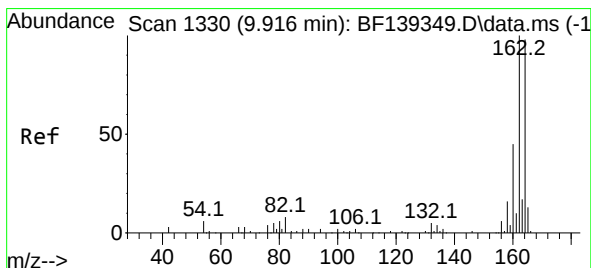
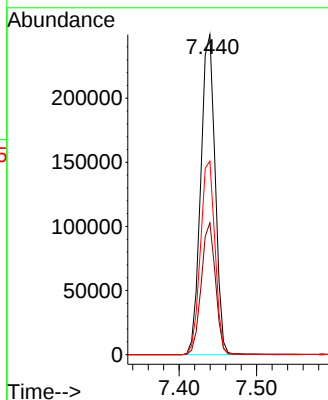
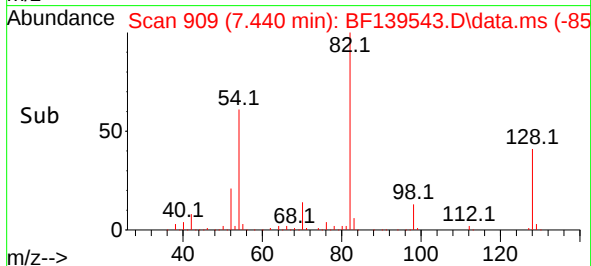
Tgt Ion: 82 Resp: 323039

Ion	Ratio	Lower	Upper
82	100		
128	41.2	31.8	47.6
54	60.5	50.6	75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

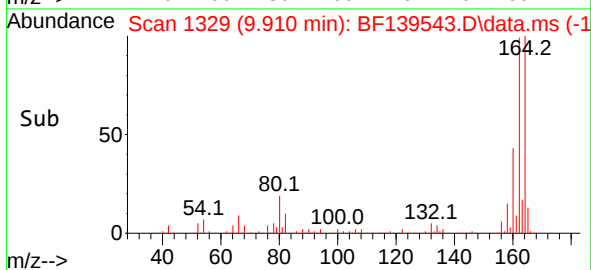
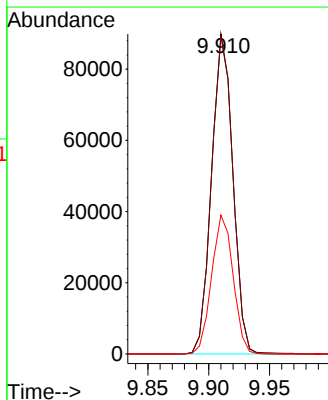
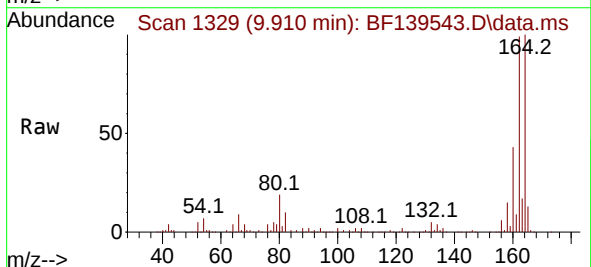
Delta R.T. -0.006 min

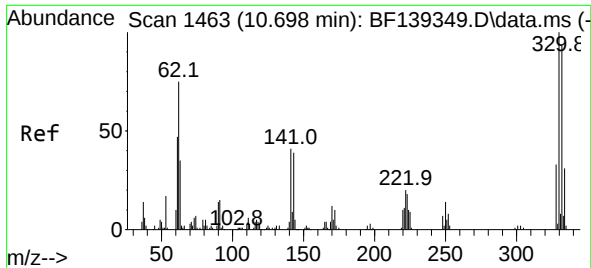
Lab File: BF139543.D

Acq: 25 Sep 2024 22:08

Tgt Ion:164 Resp: 109541

Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.3	121.9
160	43.4	36.4	54.6





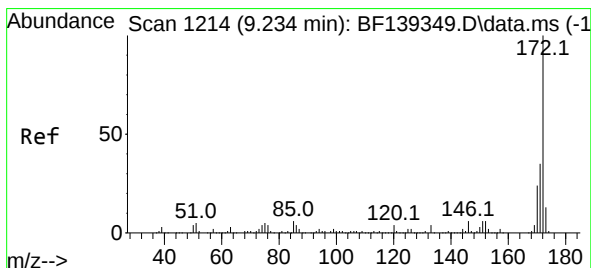
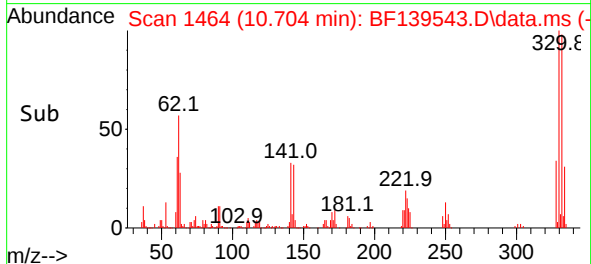
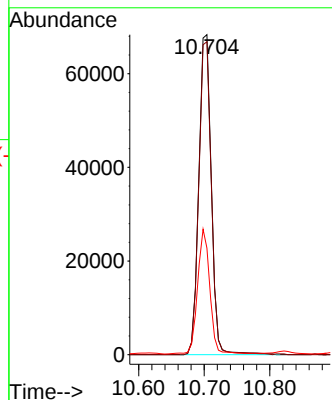
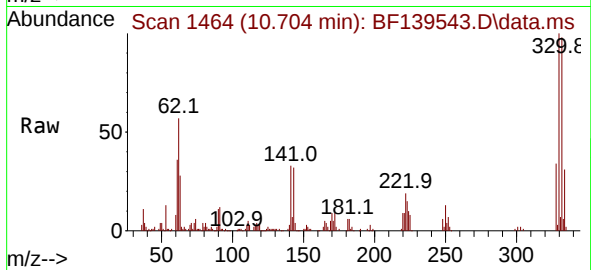
#42
2,4,6-Tribromophenol
Concen: 78.117 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

Instrument :
BNA_F
ClientSampleId :
VNJ231

Tgt Ion:330 Resp: 91100
Ion Ratio Lower Upper
330 100
332 97.8 75.2 112.8
141 37.9 31.2 46.8

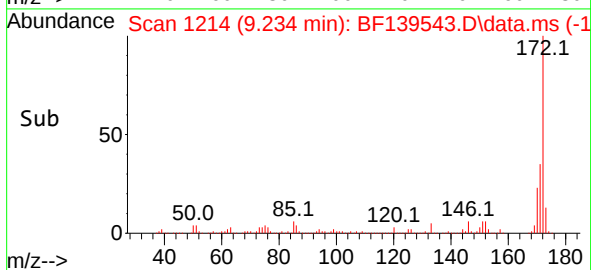
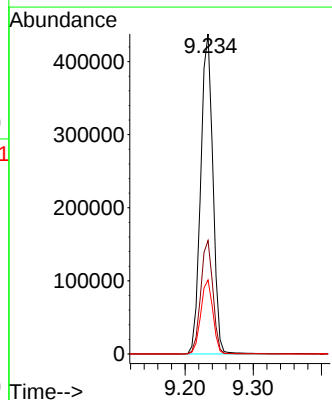
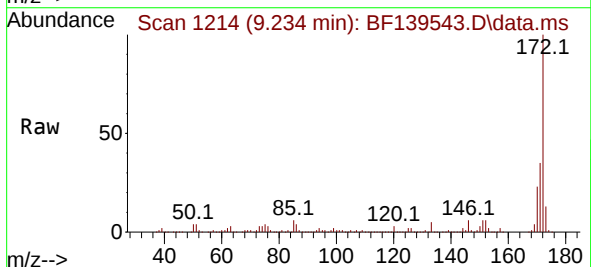
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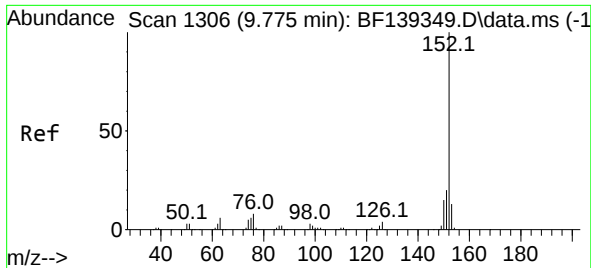
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#45
2-Fluorobiphenyl
Concen: 69.829 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

Tgt Ion:172 Resp: 545384
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.2 19.0 28.6





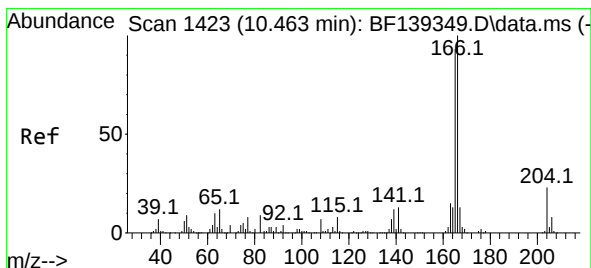
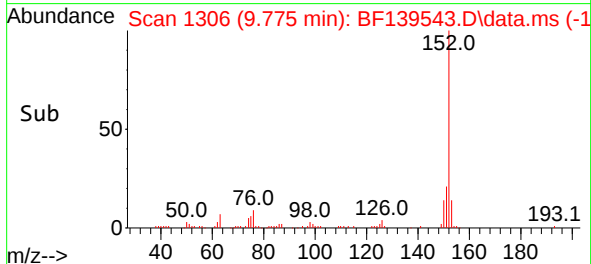
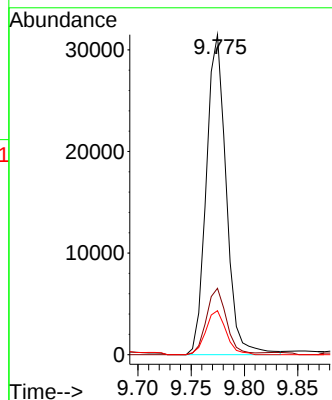
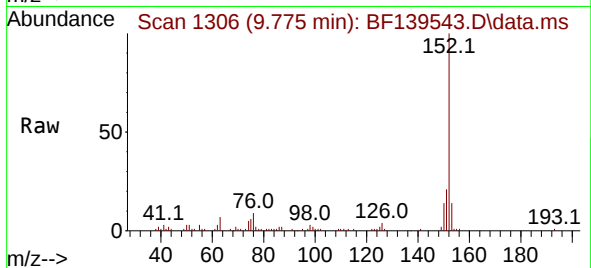
#49
Acenaphthylene
Concen: 4.323 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

Instrument :
BNA_F
ClientSampleId :
VNJ231

Tgt Ion:152 Resp: 41004
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.2
153 13.8 10.3 15.5

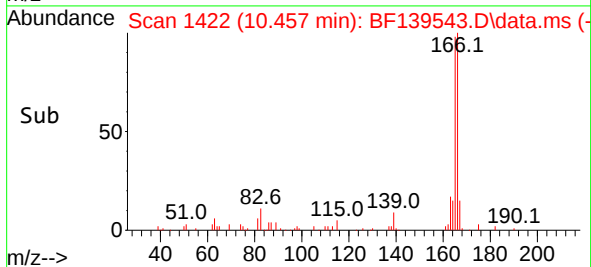
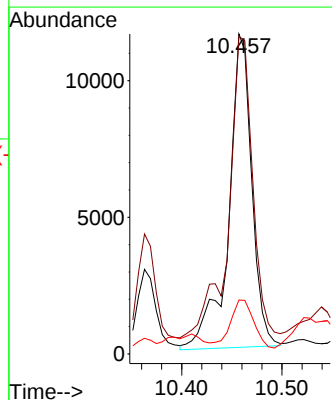
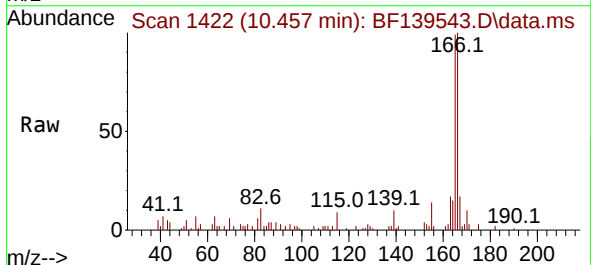
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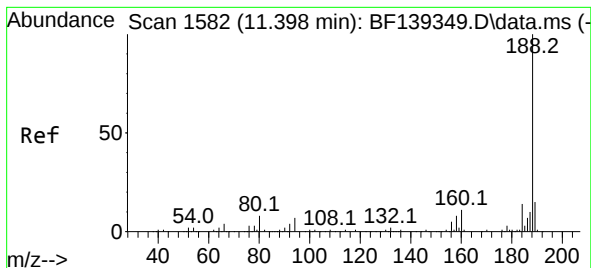
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#58
Fluorene
Concen: 2.462 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

Tgt Ion:166 Resp: 18538
Ion Ratio Lower Upper
166 100
165 99.3 74.5 111.7
167 16.8 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139543.D

Acq: 25 Sep 2024 22:08

Instrument :

BNA_F

ClientSampleId :

VNJ231

Tgt Ion:188 Resp: 187492

Ion Ratio Lower Upper

188 100

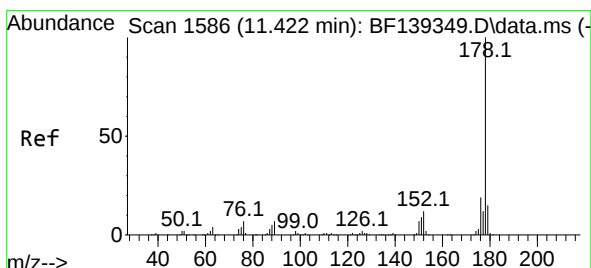
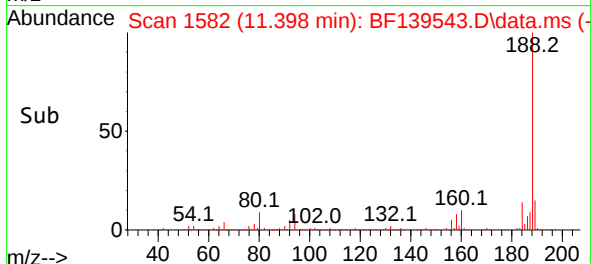
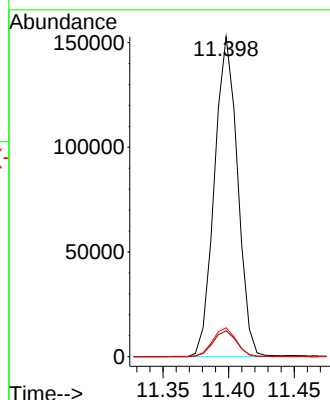
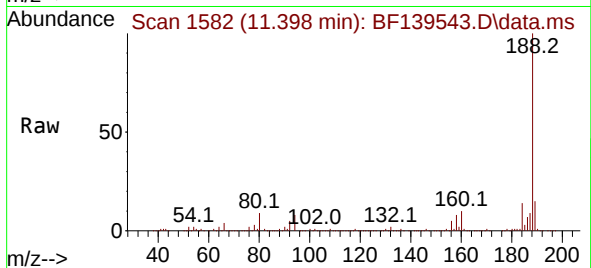
94 8.1 5.5 8.3

80 9.0 6.6 9.8

Manual Integrations

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



#71

Phenanthrene

Concen: 16.788 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF139543.D

Acq: 25 Sep 2024 22:08

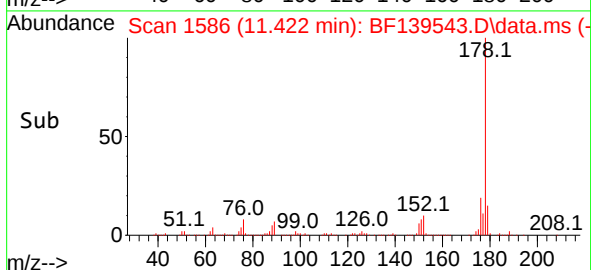
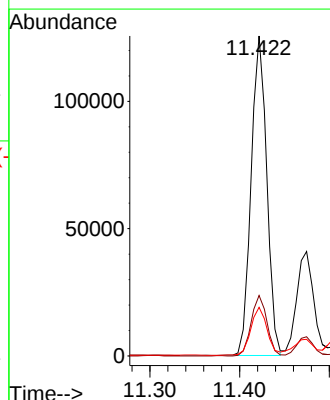
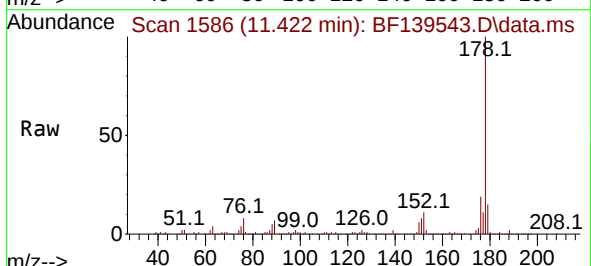
Tgt Ion:178 Resp: 151862

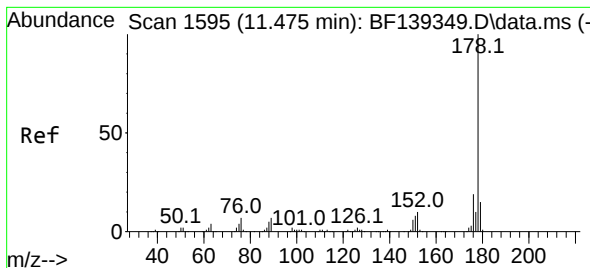
Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

179 15.2 12.2 18.4





#72

Anthracene

Concen: 5.886 ng

RT: 11.475 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139543.D

Acq: 25 Sep 2024 22:08

Instrument :

BNA_F

ClientSampleId :

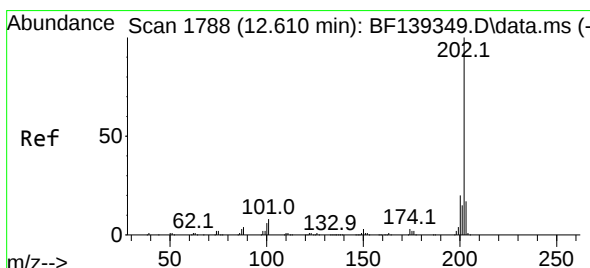
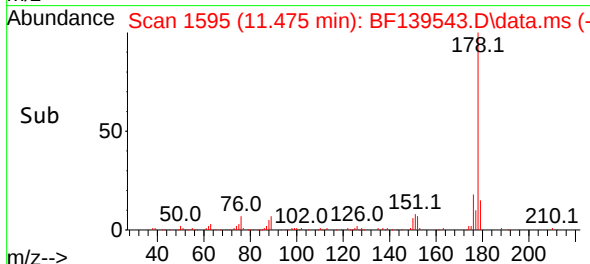
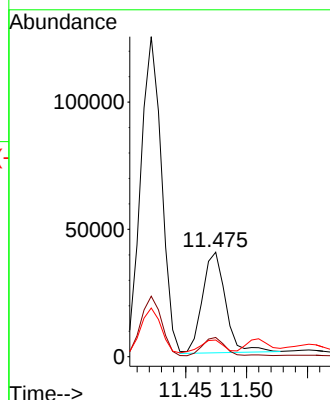
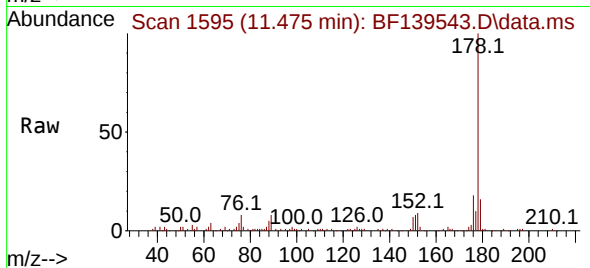
VNJ231

Tgt Ion:178	Resp:	52050
Ion Ratio	Lower	Upper
178	100	
176	18.3	15.0 22.6
179	16.0	12.0 18.0

Manual Integrations

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#75

Fluoranthene

Concen: 45.996 ng

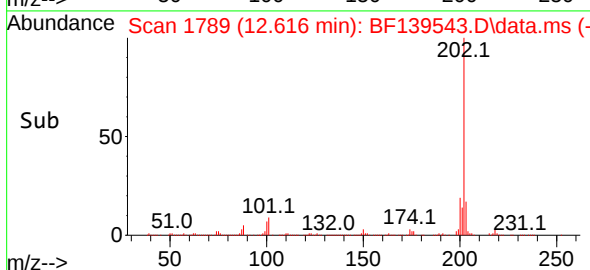
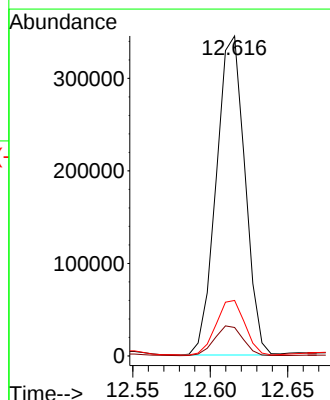
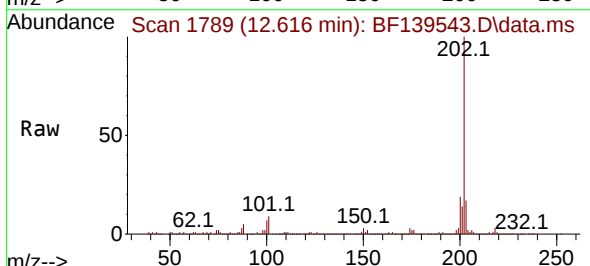
RT: 12.616 min Scan# 1789

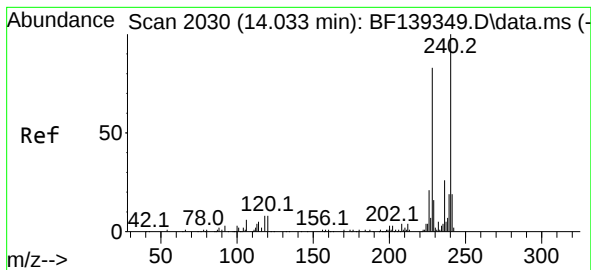
Delta R.T. 0.006 min

Lab File: BF139543.D

Acq: 25 Sep 2024 22:08

Tgt Ion:202	Resp:	444327
Ion Ratio	Lower	Upper
202	100	
101	8.9	0.0 27.7
203	17.4	0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2030

Delta R.T. 0.006 min

Lab File: BF139543.D

Acq: 25 Sep 2024 22:08

Instrument :

BNA_F

ClientSampleId :

VNJ231

Tgt Ion:240 Resp: 131638

Ion Ratio Lower Upper

240 100

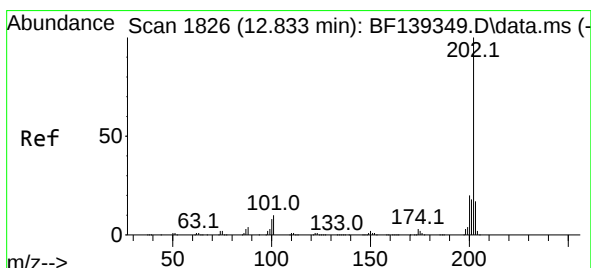
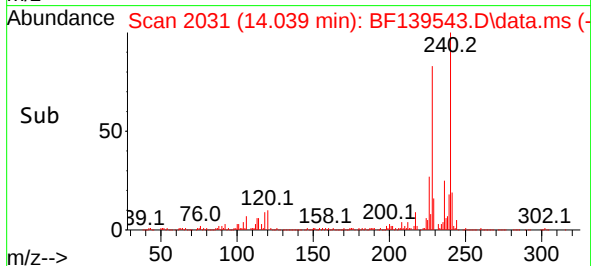
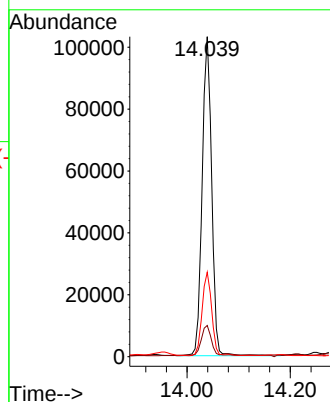
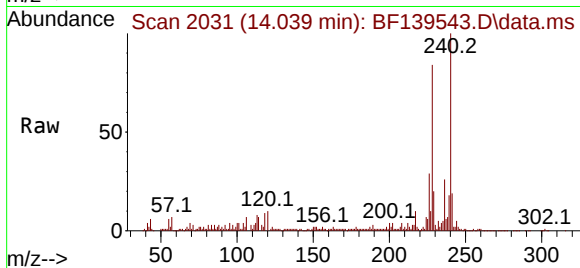
120 9.8 6.2 9.2

236 26.4 20.9 31.3

Manual Integrations

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



#78

Pyrene

Concen: 42.917 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.012 min

Lab File: BF139543.D

Acq: 25 Sep 2024 22:08

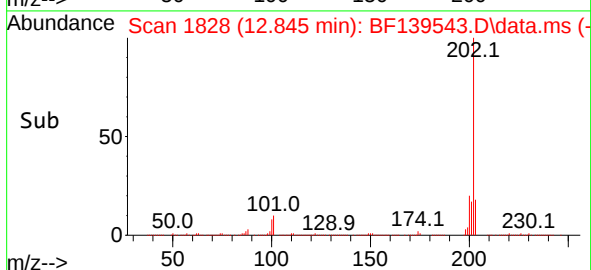
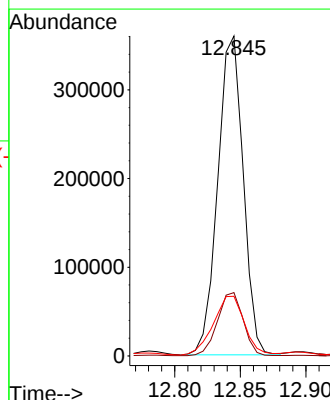
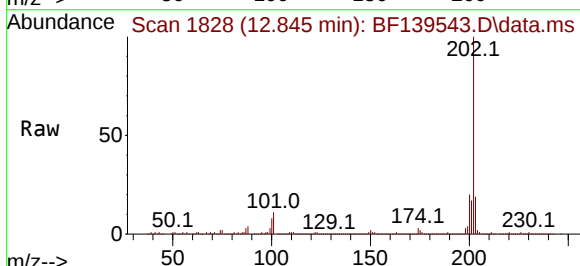
Tgt Ion:202 Resp: 485088

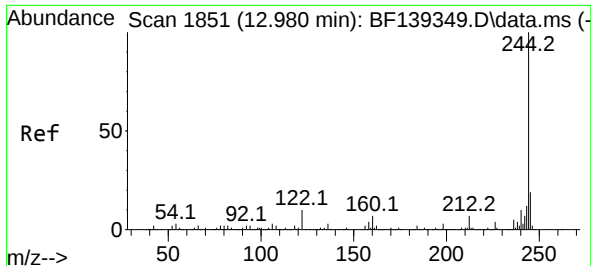
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

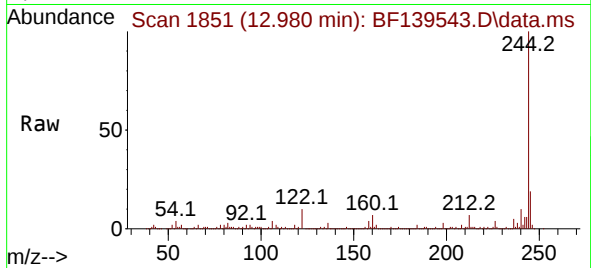
203 18.6 13.9 20.9





#79
Terphenyl-d14
Concen: 64.963 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

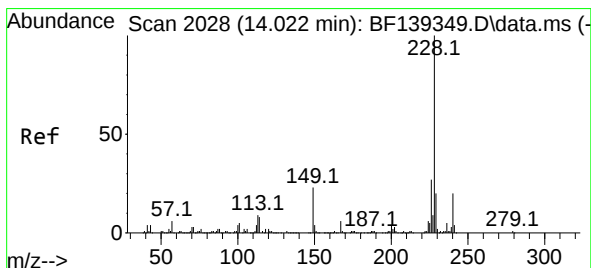
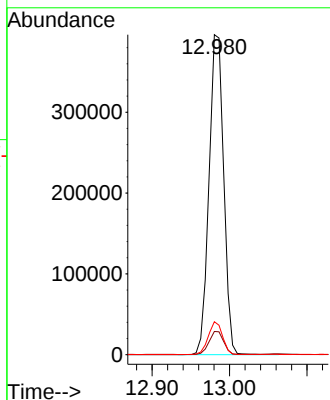
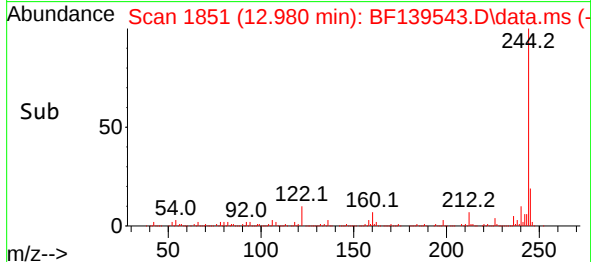
Instrument :
BNA_F
ClientSampleId :
VNJ231



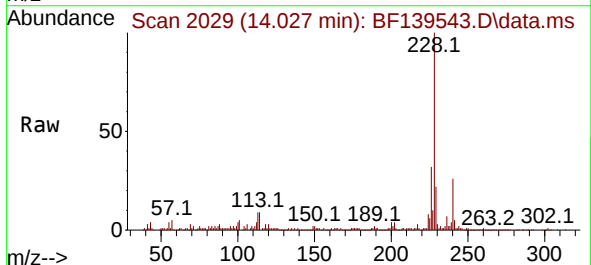
Tgt Ion:244 Resp: 520999
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 10.3 7.6 11.4

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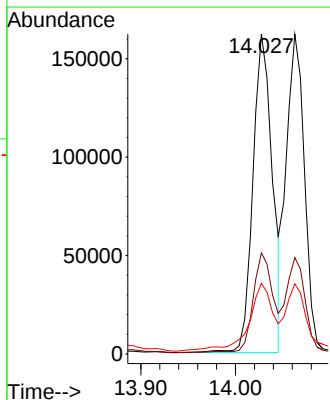
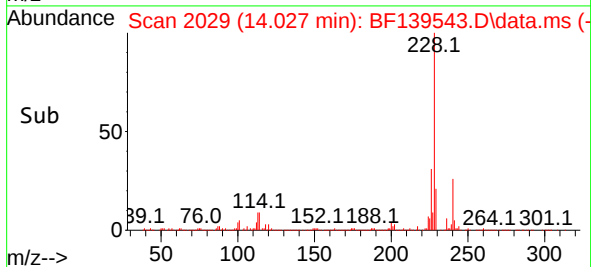
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024

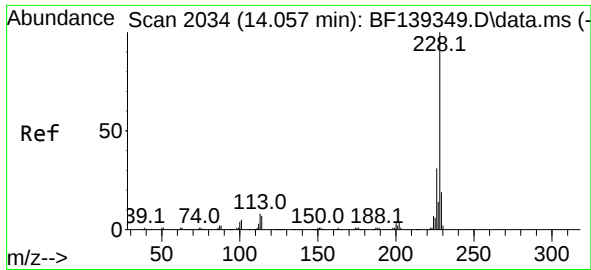


#81
Benzo(a)anthracene
Concen: 26.443 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08



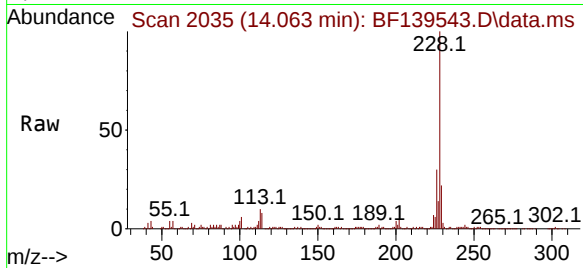
Tgt Ion:228 Resp: 230578
Ion Ratio Lower Upper
228 100
226 31.6 21.6 32.4
229 22.1 15.7 23.5





#83
Chrysene
Concen: 26.764 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

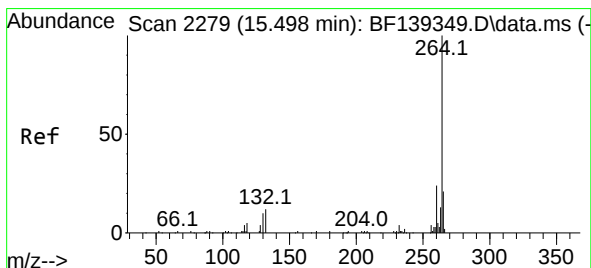
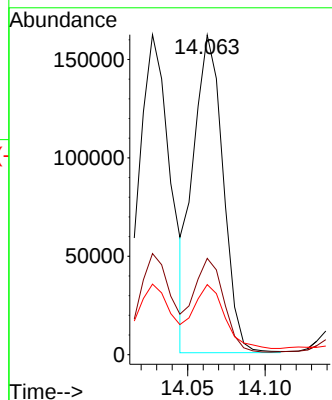
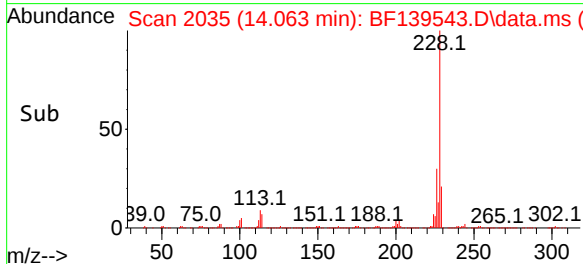
Instrument :
BNA_F
ClientSampleId :
VNJ231



Tgt Ion:228 Resp: 21470
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 21.9 15.4 23.0

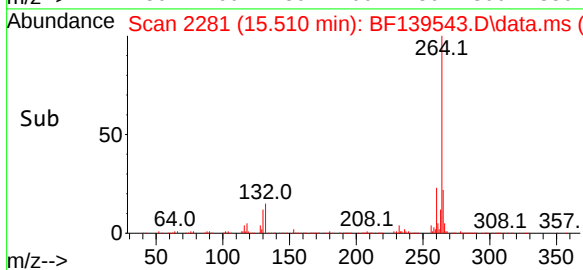
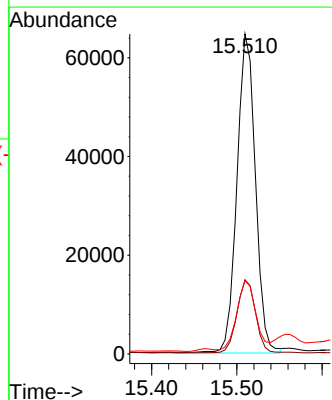
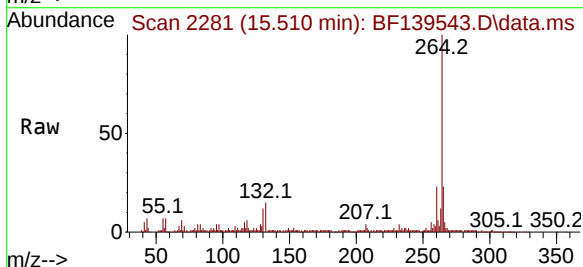
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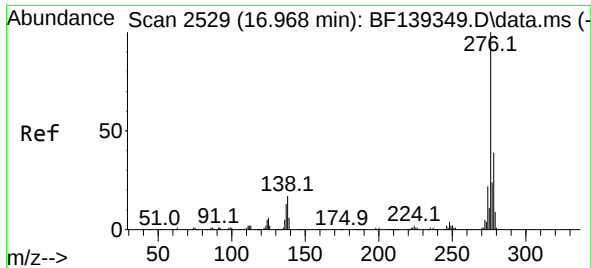
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

Tgt Ion:264 Resp: 97474
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 23.0 16.6 25.0





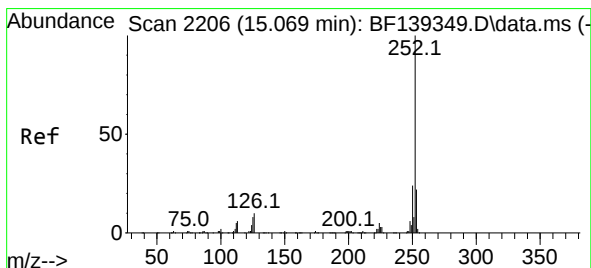
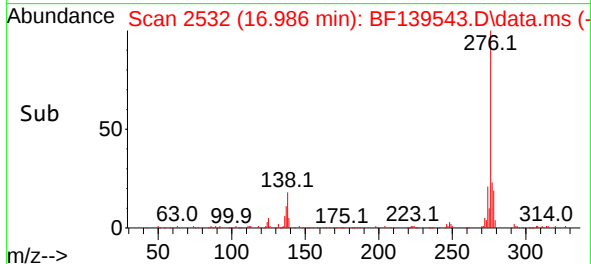
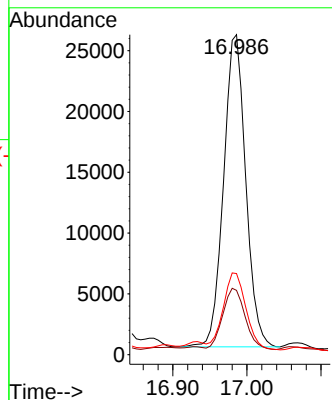
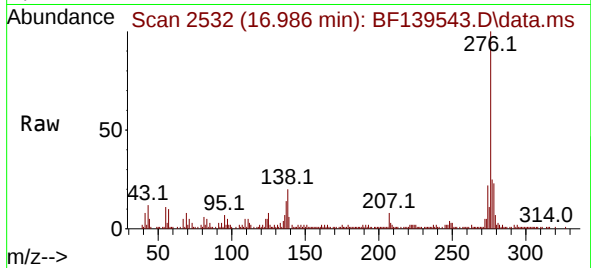
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.179 ng
RT: 16.986 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

Instrument :
BNA_F
ClientSampleId :
VNJ231

Tgt Ion: 276 Resp: 5320
Ion Ratio Lower Upper
276 100
138 19.8 15.4 23.2
277 25.5 20.4 30.6

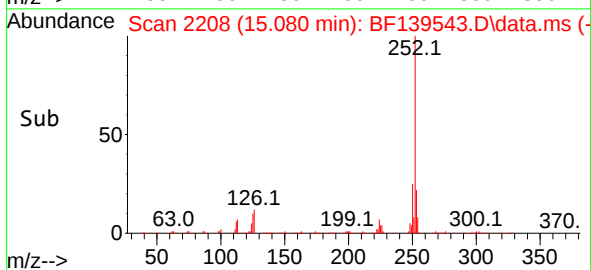
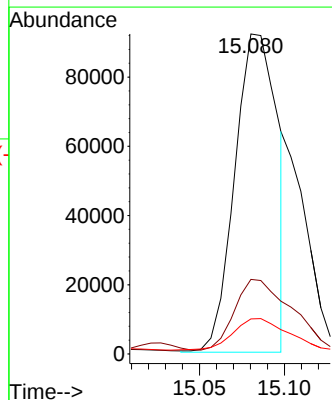
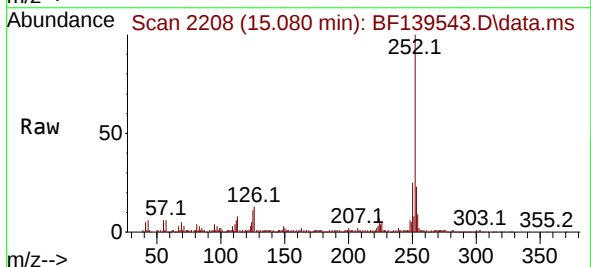
Manual Integrations
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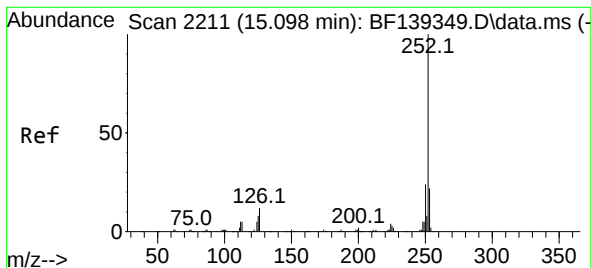
Reviewed By :Jagrut Upadhyay 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#88
Benzo(b)fluoranthene
Concen: 26.777 ng m
RT: 15.080 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

Tgt Ion: 252 Resp: 160969
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 11.0 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 9.973 ng m

RT: 15.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139543.D

Acq: 25 Sep 2024 22:08

Instrument :

BNA_F

ClientSampleId :

VNJ231

Tgt Ion:252 Resp: 5528

Ion Ratio Lower Upper

252 100

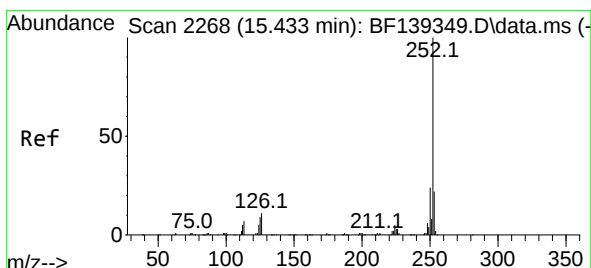
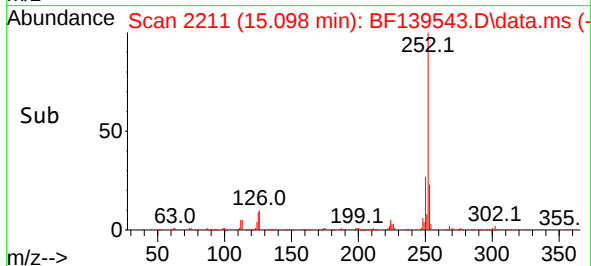
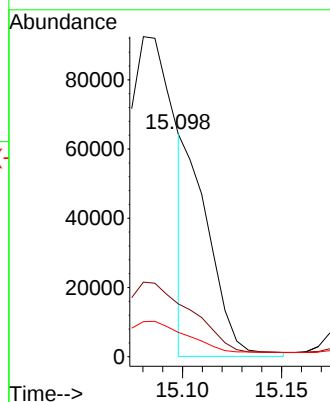
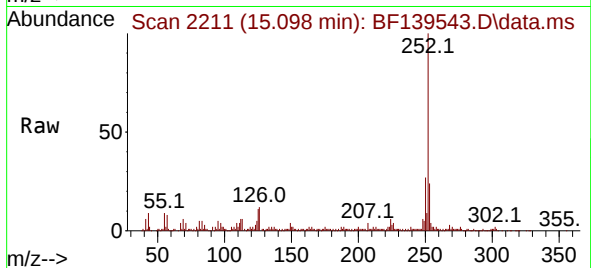
253 23.7 17.3 25.9

125 11.0 5.9 8.9

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 23.052 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.012 min

Lab File: BF139543.D

Acq: 25 Sep 2024 22:08

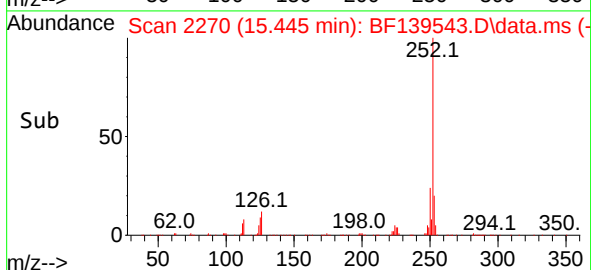
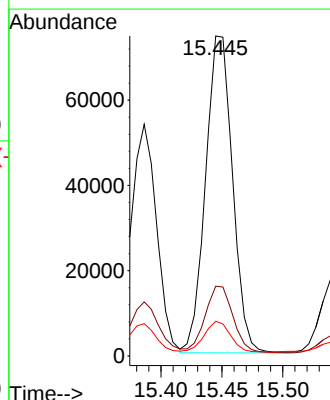
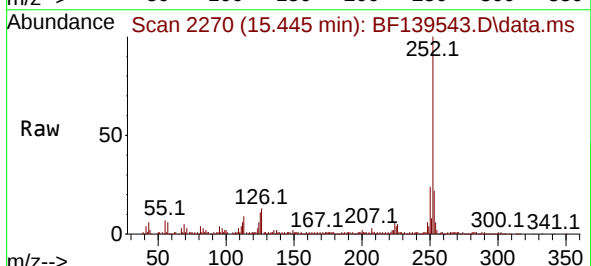
Tgt Ion:252 Resp: 114932

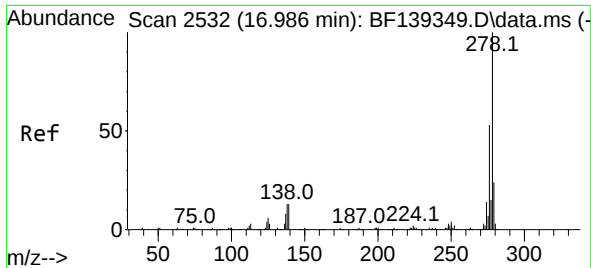
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 10.9 6.8 10.2





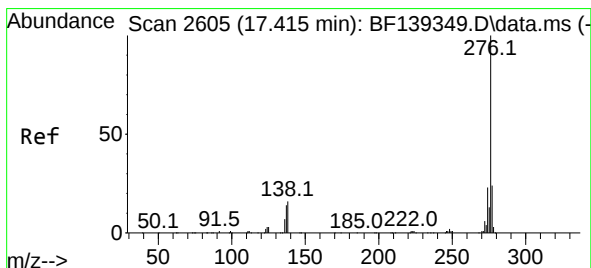
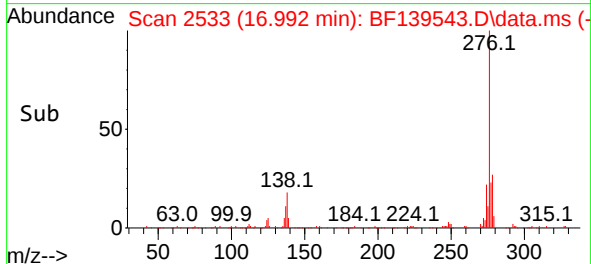
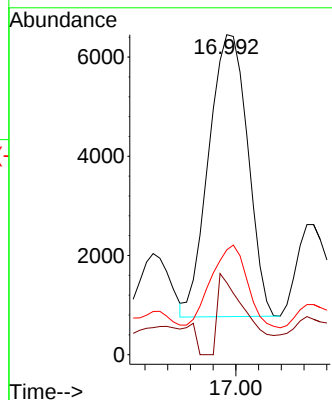
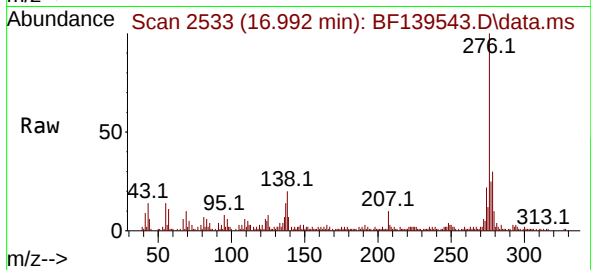
#91
Dibenzo(a,h)anthracene
Concen: 2.831 ng
RT: 16.992 min Scan# 2532
Delta R.T. 0.006 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

Instrument :
BNA_F
ClientSampleId :
VNJ231

Tgt Ion:278 Resp: 1355
Ion Ratio Lower Upper
278 100
139 22.5 10.2 15.2
279 32.7 18.9 28.3

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 11.714 ng
RT: 17.427 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF139543.D
Acq: 25 Sep 2024 22:08

Tgt Ion:276 Resp: 55552
Ion Ratio Lower Upper
276 100
277 24.6 18.9 28.3
138 20.4 13.0 19.6

