

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139443.D
 Acq On : 18 Sep 2024 23:35
 Operator : RC/JU
 Sample : P4088-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-09

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

Quant Time: Sep 19 01:31:44 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	6.881	152	61195	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	209586	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	95074	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	150241	20.000	ng	0.00
76) Chrysene-d12	14.033	240	104422	20.000	ng	0.00
86) Perylene-d12	15.504	264	80936	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	348579	92.925	ng	0.00
7) Phenol-d6	6.504	99	466816	94.810	ng	0.00
23) Nitrobenzene-d5	7.440	82	318300	71.397	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	78777	77.829	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	508317	74.986	ng	0.00
79) Terphenyl-d14	12.980	244	384023	60.364	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	34374	4.742	ng	99
75) Fluoranthene	12.604	202	121063	15.640	ng	99
78) Pyrene	12.833	202	109123	12.171	ng	99
81) Benzo(a)anthracene	14.022	228	62813	9.081	ng	95
83) Chrysene	14.057	228	50590	7.950	ng	98
84) Bis(2-ethylhexyl)phtha...	14.010	149	12604	3.246	ng	99
87) Indeno(1,2,3-cd)pyrene	16.968	276	20614	4.283	ng	98
88) Benzo(b)fluoranthene	15.074	252	55907m	11.200	ng	
89) Benzo(k)fluoranthene	15.086	252	20759m	4.510	ng	
90) Benzo(a)pyrene	15.439	252	36961	8.928	ng	# 97
92) Benzo(g,h,i)perylene	17.410	276	20119	5.109	ng	97

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

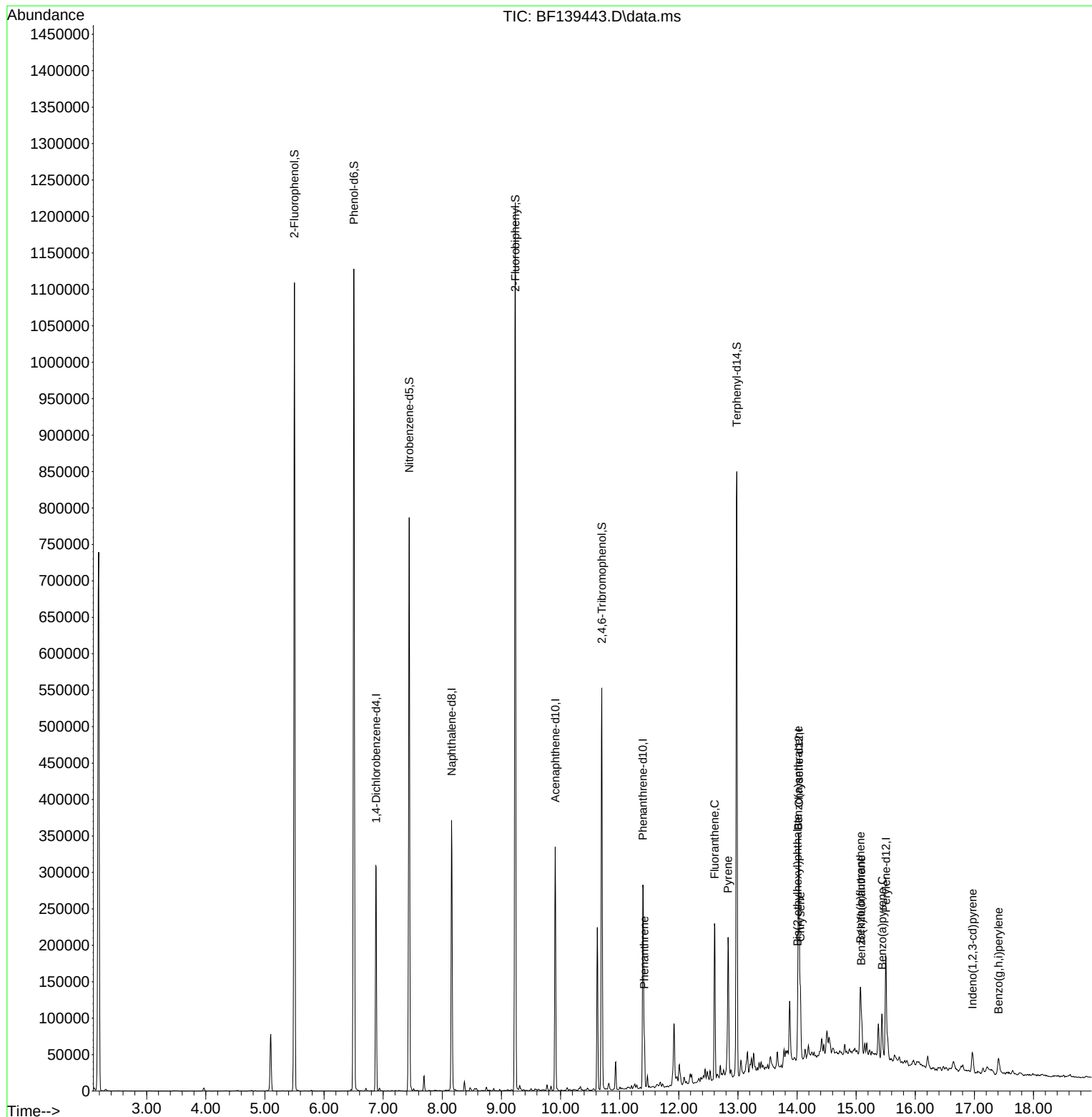
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
Data File : BF139443.D
Acq On : 18 Sep 2024 23:35
Operator : RC/JU
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ALS Vial : 17 Sample Multiplier: 1

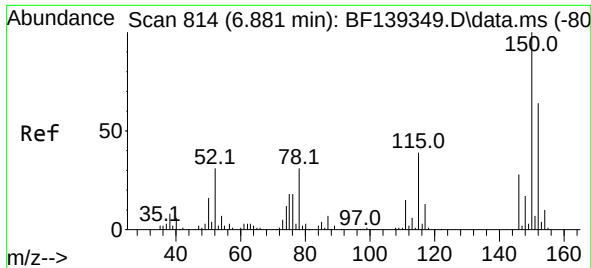
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09

Quant Time: Sep 19 01:31:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
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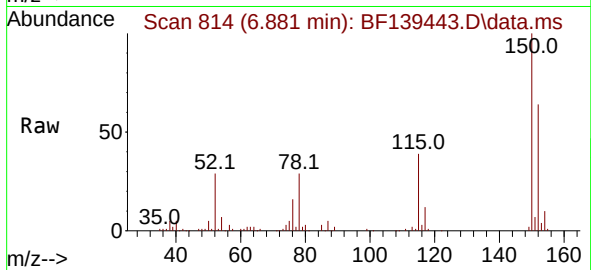
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

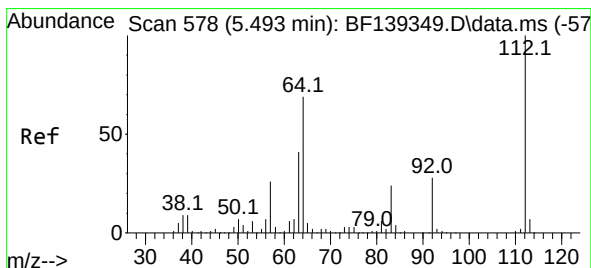
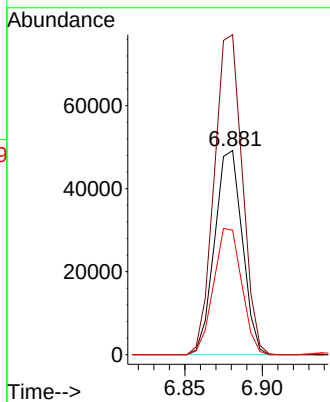
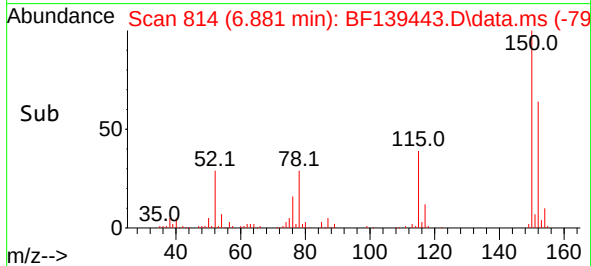
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09



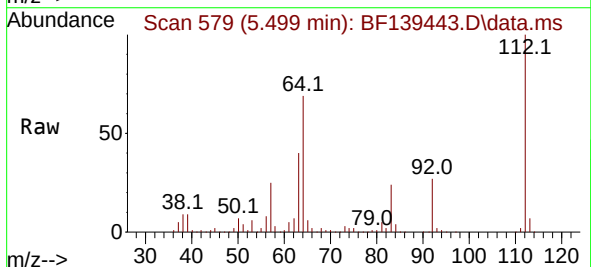
Tgt Ion:152 Resp: 6119
Ion Ratio Lower Upper
152 100
150 156.7 124.1 186.1
115 60.9 48.1 72.1

Manual Integrations
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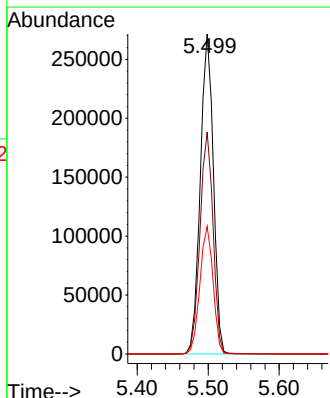
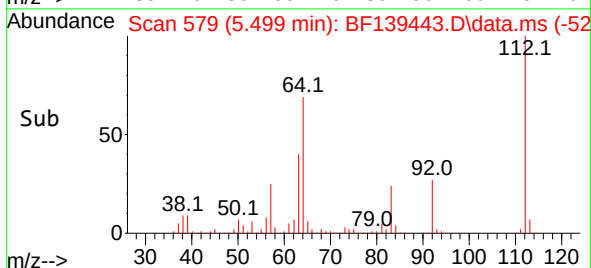
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

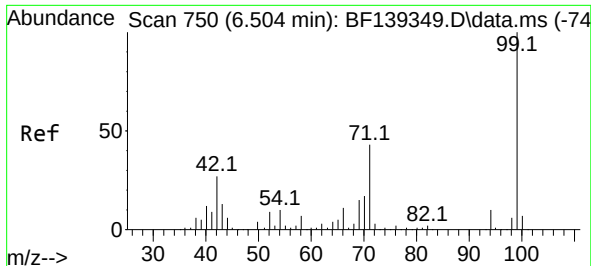


#5
2-Fluorophenol
Concen: 92.925 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35



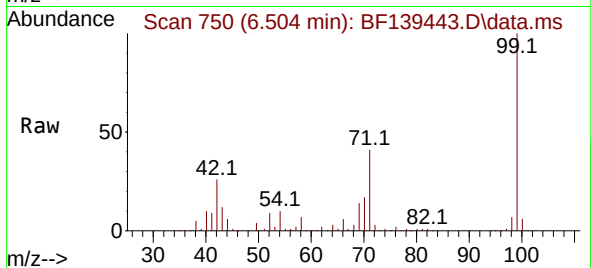
Tgt Ion:112 Resp: 348579
Ion Ratio Lower Upper
112 100
64 69.4 54.8 82.2
63 39.8 33.0 49.4





#7
Phenol-d6
Concen: 94.810 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

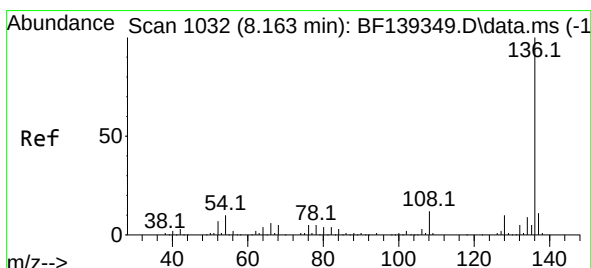
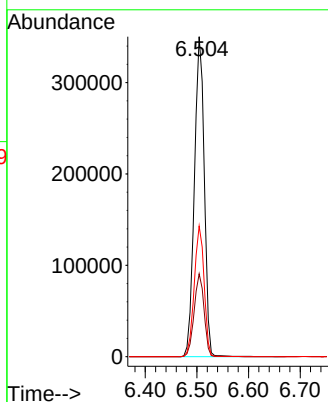
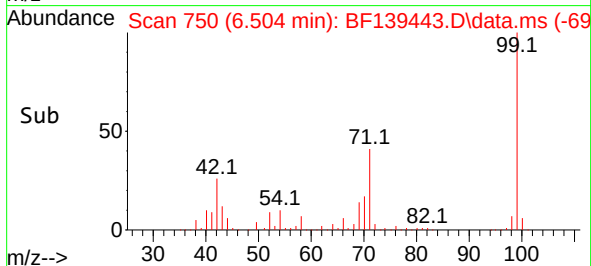
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09



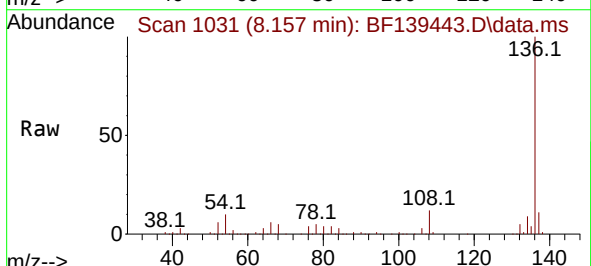
Tgt Ion: 99 Resp: 466810
Ion Ratio Lower Upper
99 100
42 25.9 21.9 32.9
71 40.9 34.6 52.0

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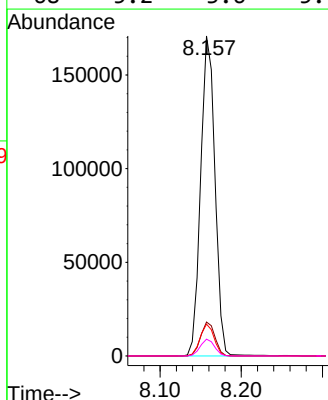
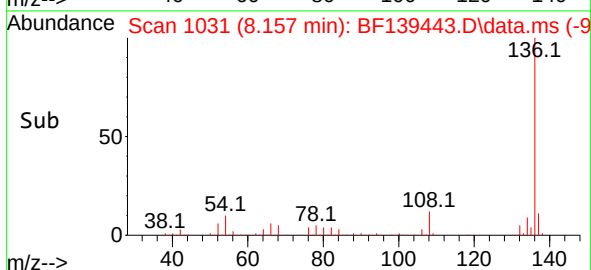
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

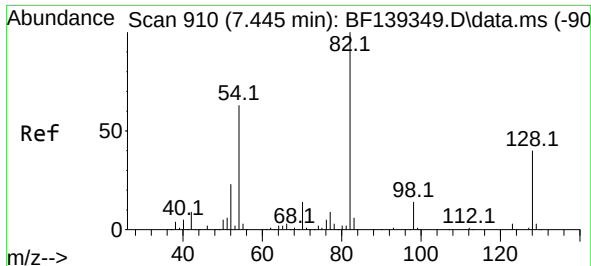


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35



Tgt Ion:136 Resp: 209586
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 10.0 7.8 11.8
68 5.2 3.6 5.4





#23

Nitrobenzene-d5

Concen: 71.397 ng

RT: 7.440 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF139443.D

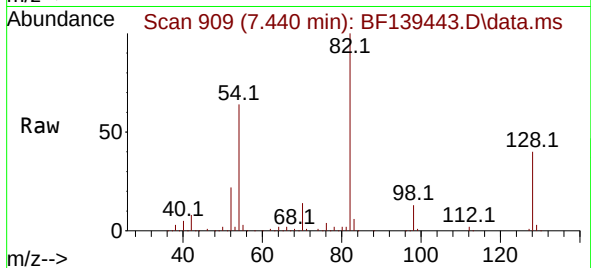
Acq: 18 Sep 2024 23:35

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09



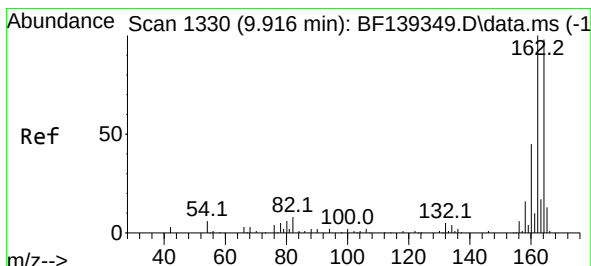
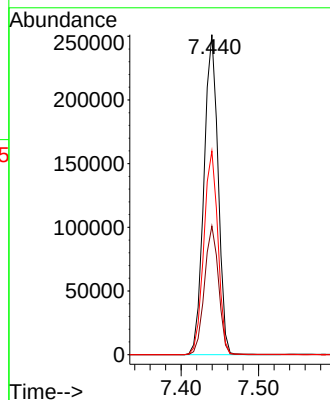
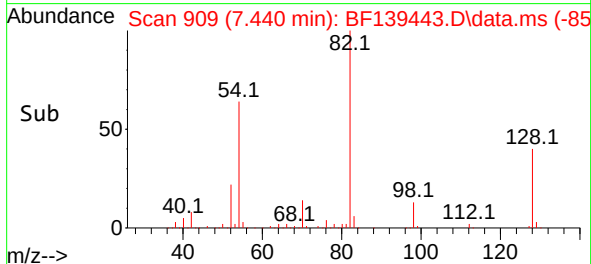
Tgt Ion: 82 Resp: 318300

Ion	Ratio	Lower	Upper
82	100		
128	40.2	31.8	47.6
54	63.7	50.6	75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

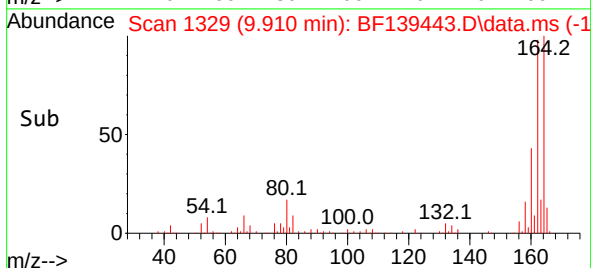
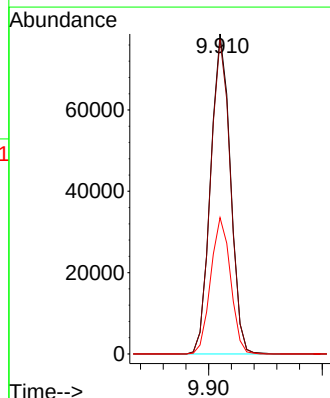
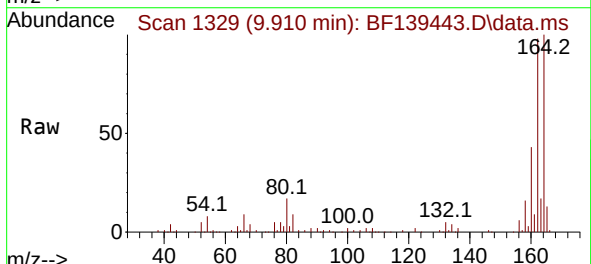
Delta R.T. -0.006 min

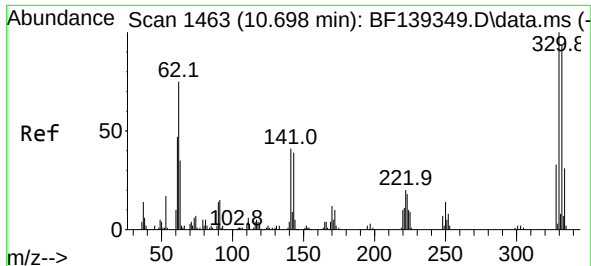
Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Tgt Ion:164 Resp: 95074

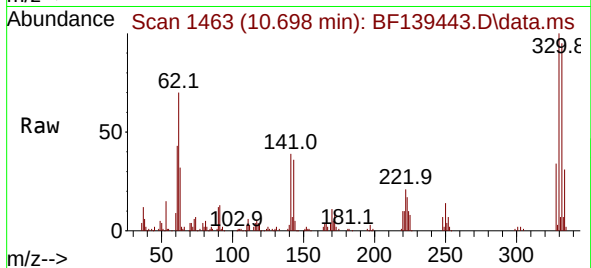
Ion	Ratio	Lower	Upper
164	100		
162	98.3	81.3	121.9
160	42.6	36.4	54.6





#42
2,4,6-Tribromophenol
Concen: 77.829 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

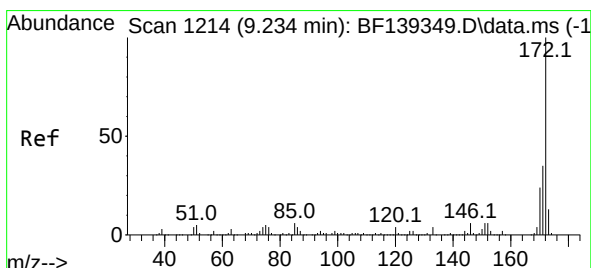
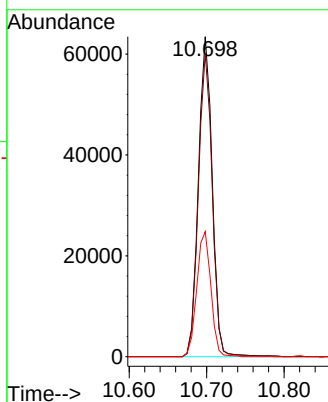
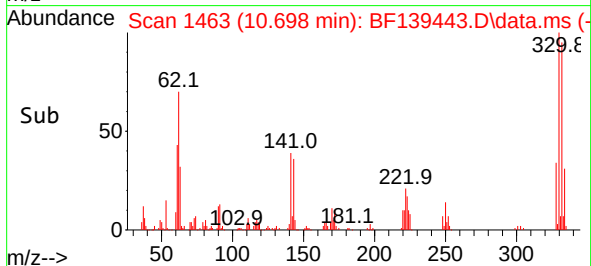
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09



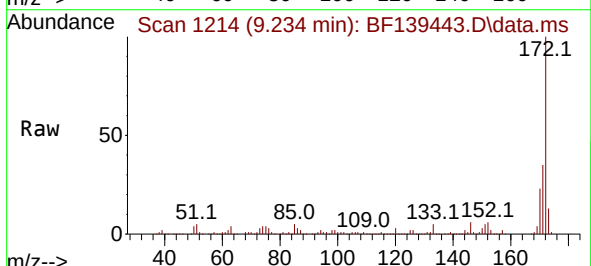
Tgt Ion: 330 Resp: 7877
Ion Ratio Lower Upper
330 100
332 94.5 75.2 112.8
141 39.7 31.2 46.8

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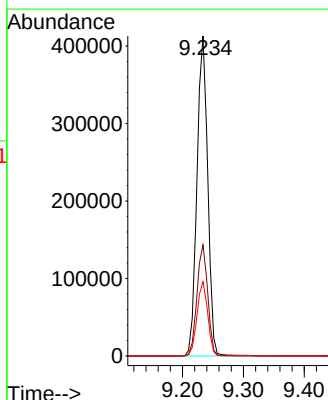
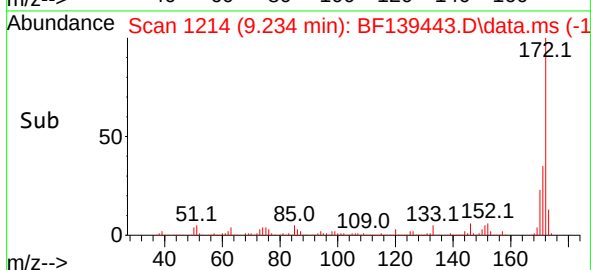
Reviewed By : Jagrut Upadhyay 09/19/2024
Supervised By : mohammad ahmed 09/20/2024

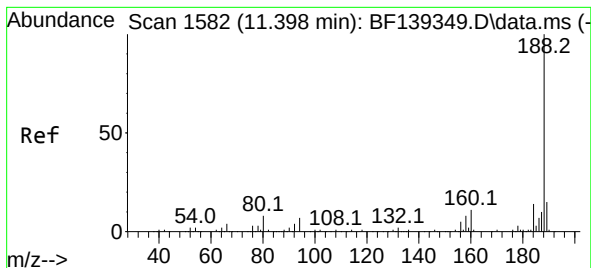


#45
2-Fluorobiphenyl
Concen: 74.986 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35



Tgt Ion: 172 Resp: 508317
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.2 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09

Tgt Ion:188 Resp: 15024

Ion Ratio Lower Upper

188 100

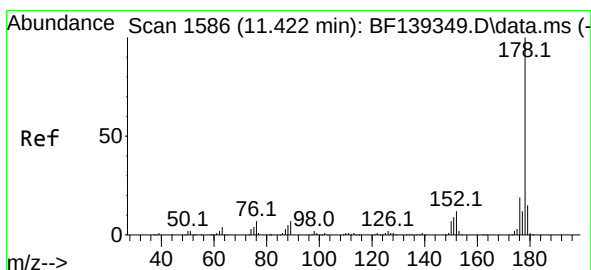
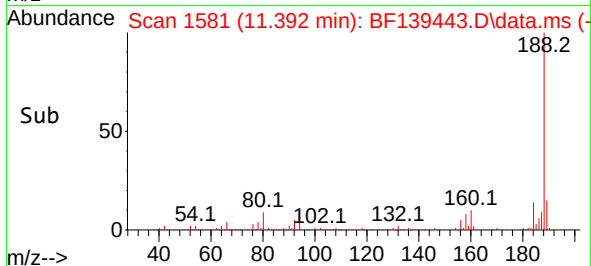
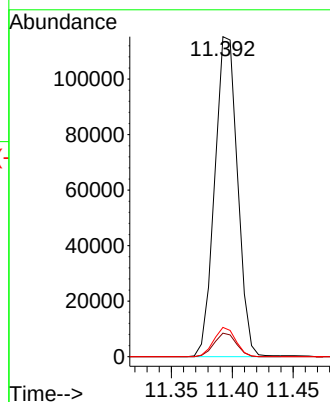
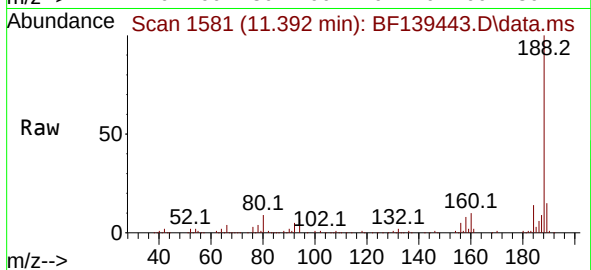
94 7.4 5.5 8.3

80 9.1 6.6 9.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#71

Phenanthrene

Concen: 4.742 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

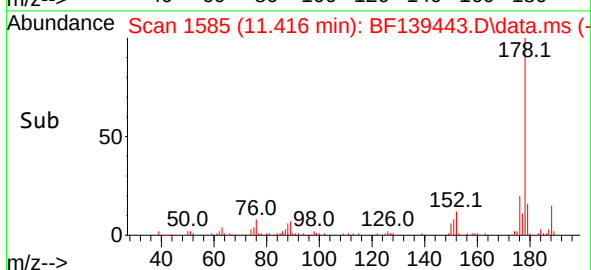
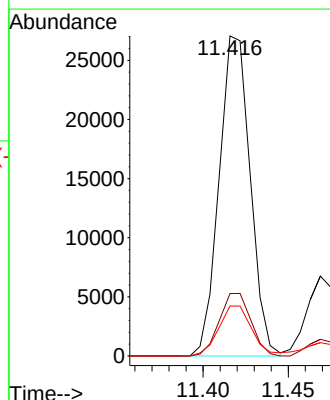
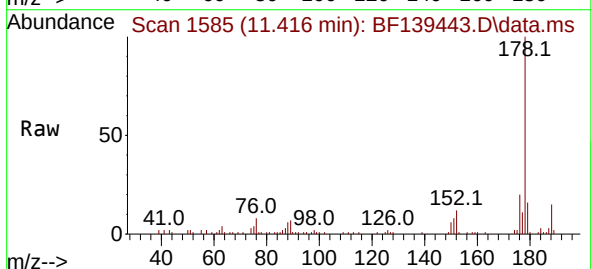
Tgt Ion:178 Resp: 34374

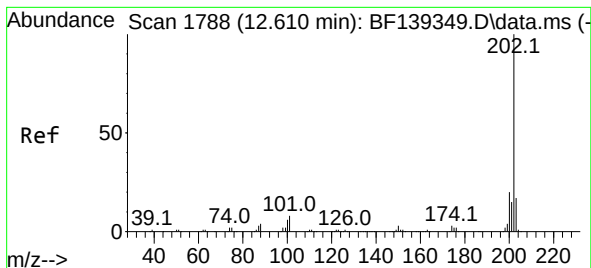
Ion Ratio Lower Upper

178 100

176 19.5 15.2 22.8

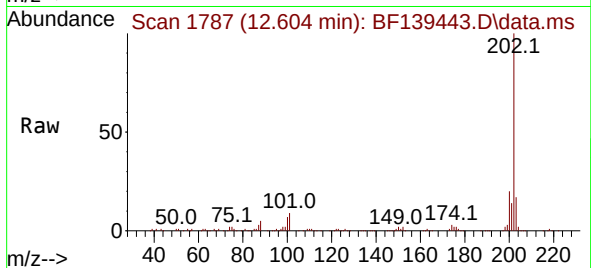
179 15.6 12.2 18.4





#75
Fluoranthene
Concen: 15.640 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

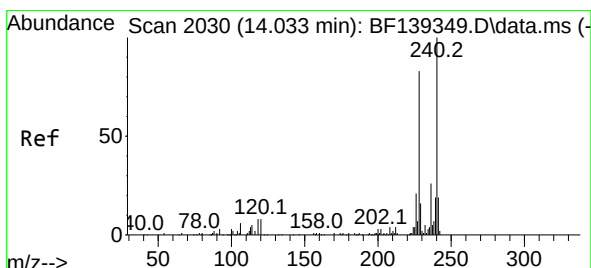
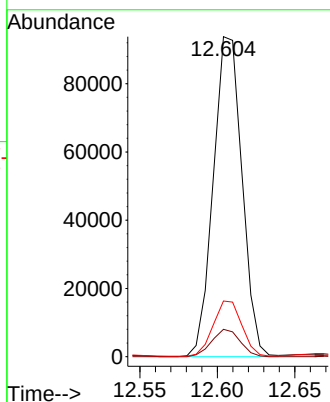
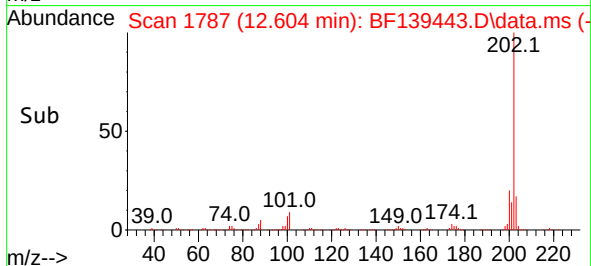
Instrument :
BNA_F
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NB-614-COMP-09



Tgt Ion:202 Resp: 121063
Ion Ratio Lower Upper
202 100
101 8.5 0.0 27.7
203 17.4 0.0 37.4

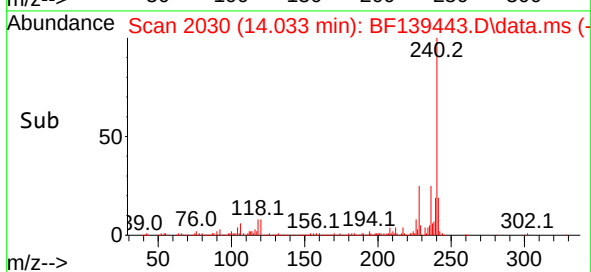
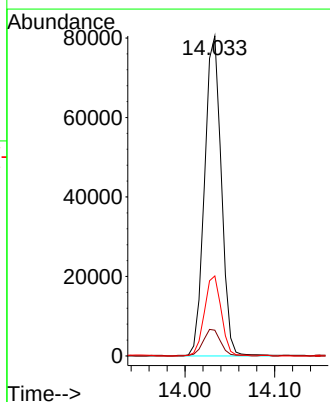
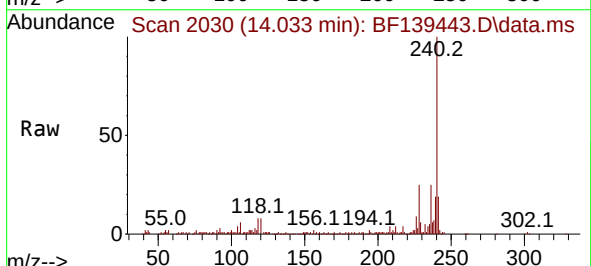
Manual Integrations
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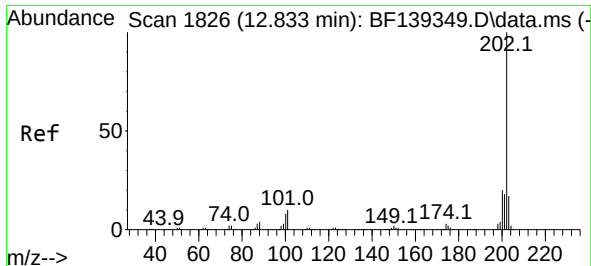
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

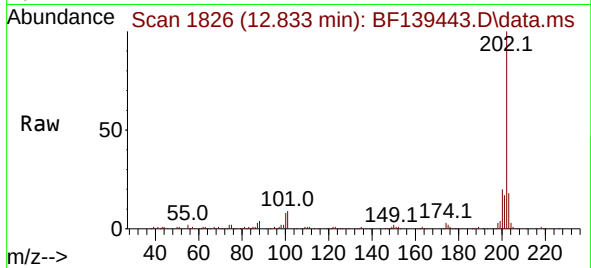
Tgt Ion:240 Resp: 104422
Ion Ratio Lower Upper
240 100
120 8.1 6.2 9.2
236 25.0 20.9 31.3





#78
Pyrene
Concen: 12.171 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

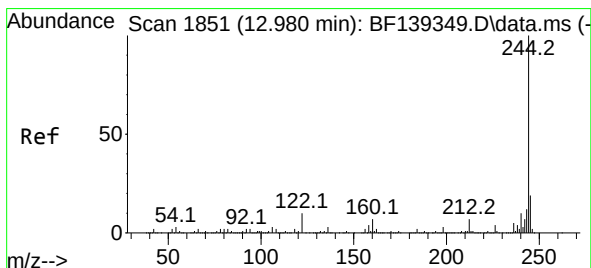
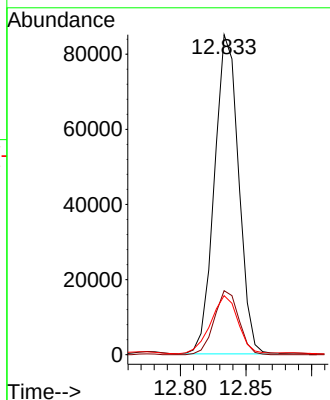
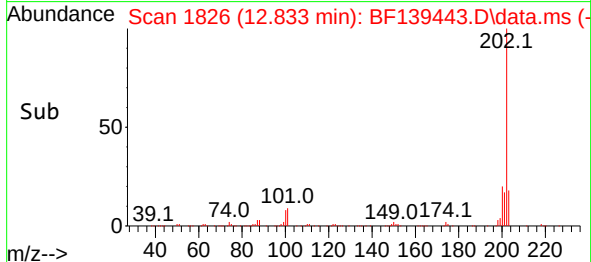
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09



Tgt Ion:202 Resp: 10912
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.2
203 18.4 13.9 20.9

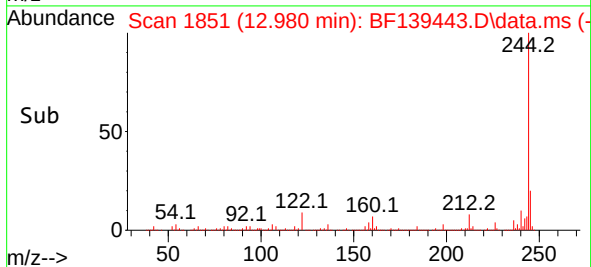
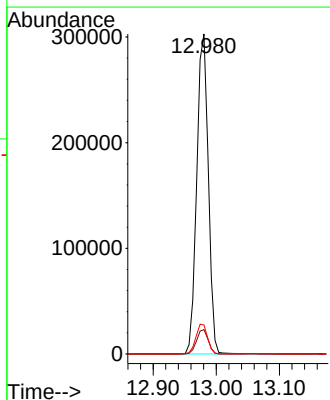
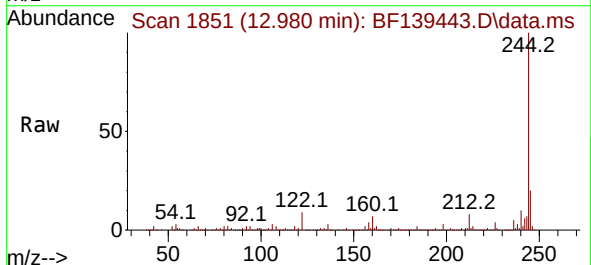
Manual Integrations
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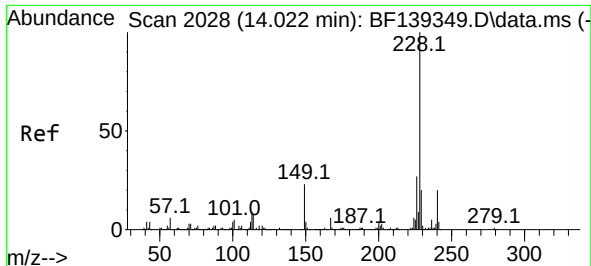
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#79
Terphenyl-d14
Concen: 60.364 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

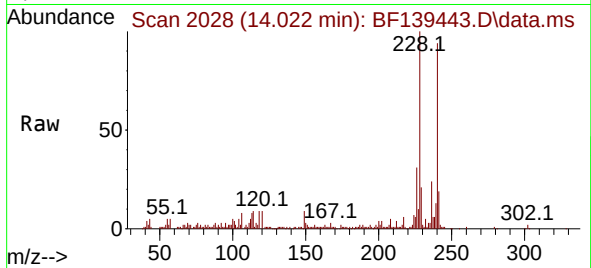
Tgt Ion:244 Resp: 384023
Ion Ratio Lower Upper
244 100
212 7.6 6.0 9.0
122 9.1 7.6 11.4





#81
Benzo(a)anthracene
Concen: 9.081 ng
RT: 14.022 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

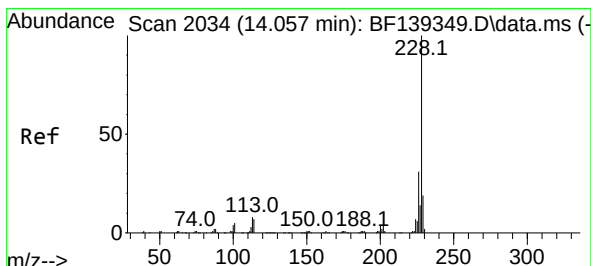
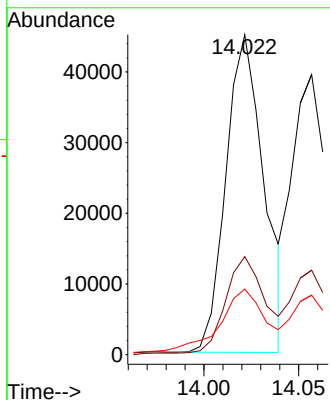
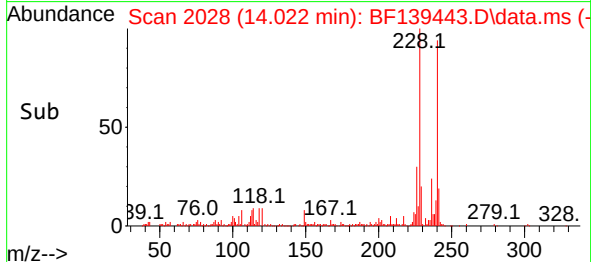
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09



Tgt Ion:228 Resp: 6281
Ion Ratio Lower Upper
228 100
226 30.7 21.6 32.4
229 20.5 15.7 23.5

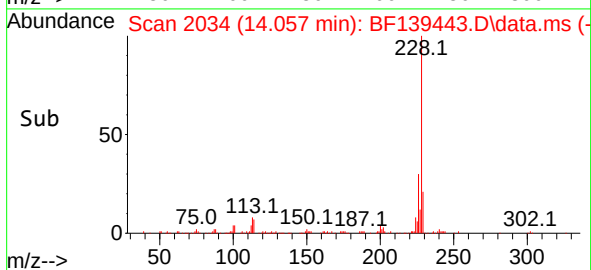
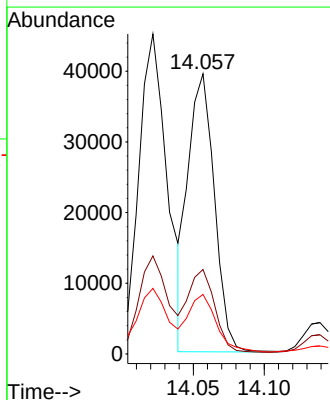
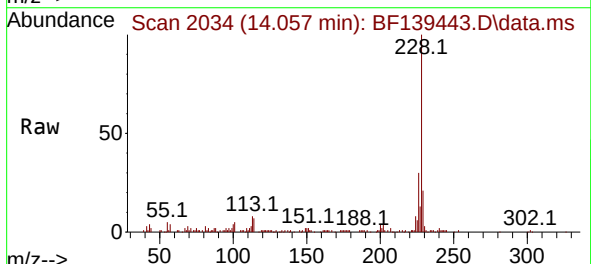
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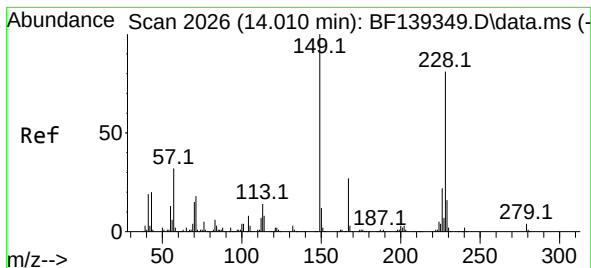
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#83
Chrysene
Concen: 7.950 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

Tgt Ion:228 Resp: 50590
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 21.3 15.4 23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.246 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Instrument :

BNA_F

ClientSampleId :

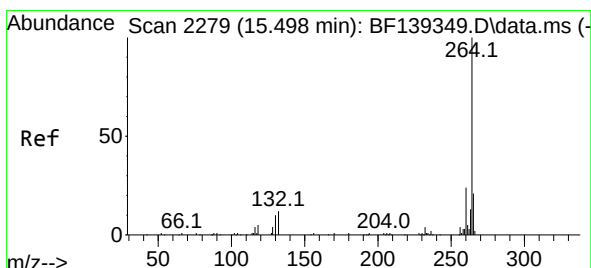
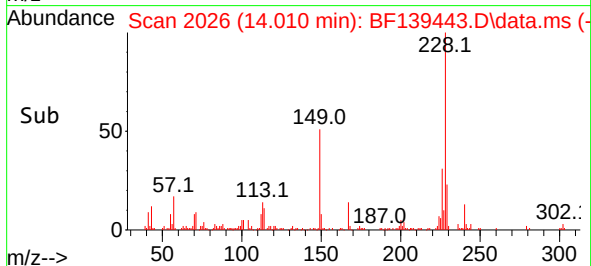
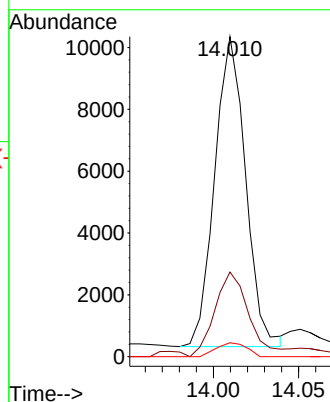
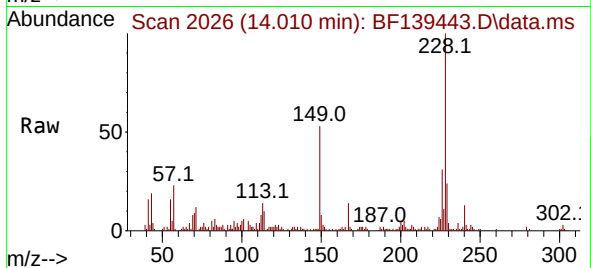
NB-614-COMP-09

Tgt Ion:	149	Resp:	12604
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.6	32.4
279	4.3	3.3	4.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#86

Perylene-d12

Concen: 20.000 ng

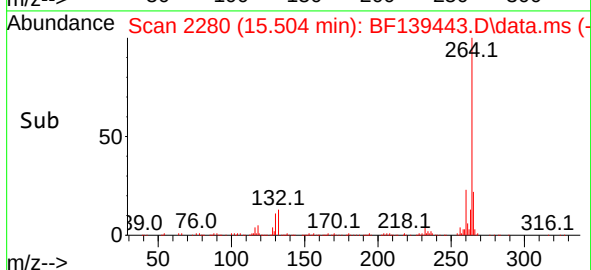
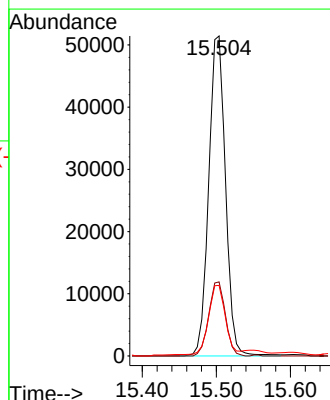
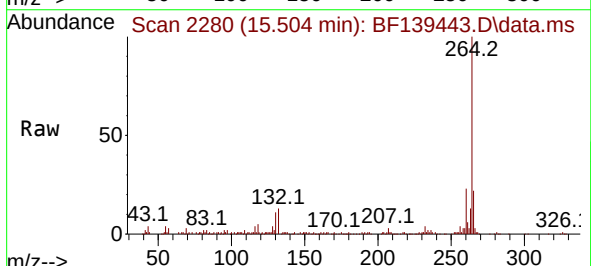
RT: 15.504 min Scan# 2280

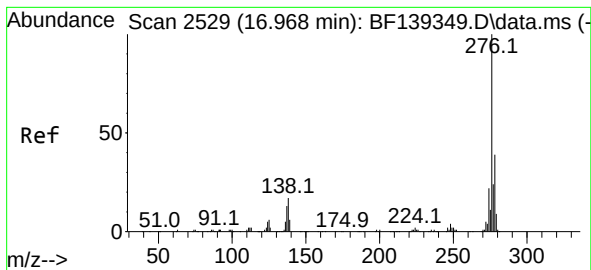
Delta R.T. 0.006 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Tgt Ion:	264	Resp:	80936
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.5	29.3
265	22.1	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.283 ng

RT: 16.968 min Scan# 2529

Delta R.T. -0.000 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Instrument :

BNA_F

ClientSampleId :

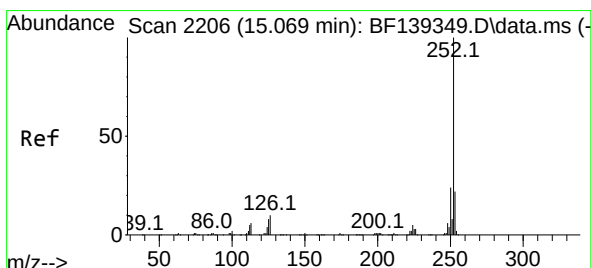
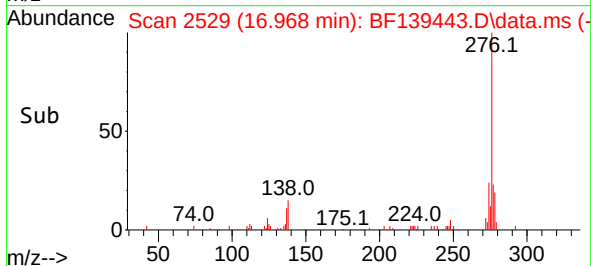
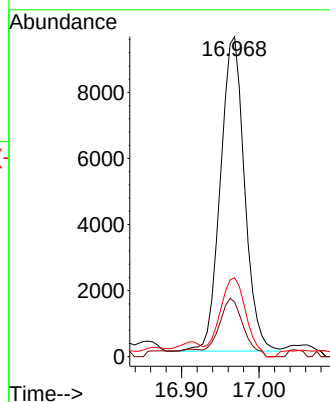
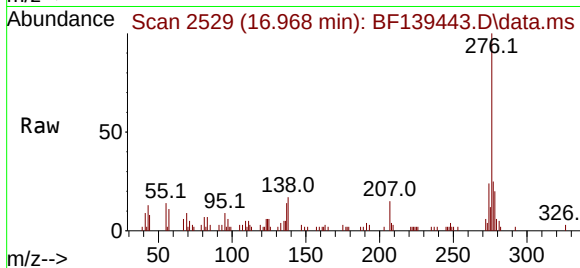
NB-614-COMP-09

Tgt Ion:	276	Resp:	20614
Ion Ratio	Lower	Upper	
276	100		
138	18.7	15.4	23.2
277	27.1	20.4	30.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#88

Benzo(b)fluoranthene

Concen: 11.200 ng m

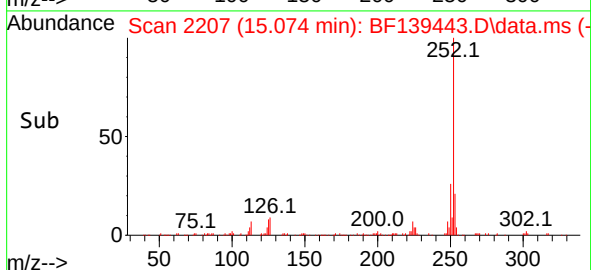
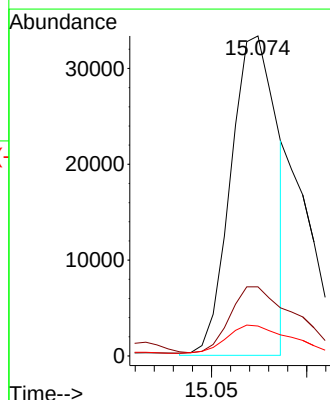
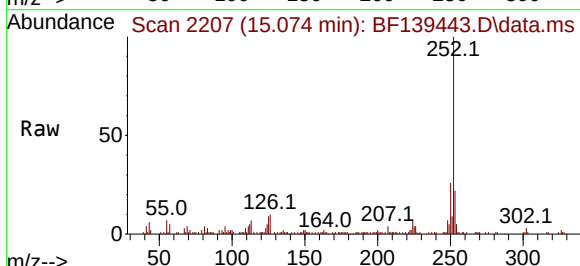
RT: 15.074 min Scan# 2207

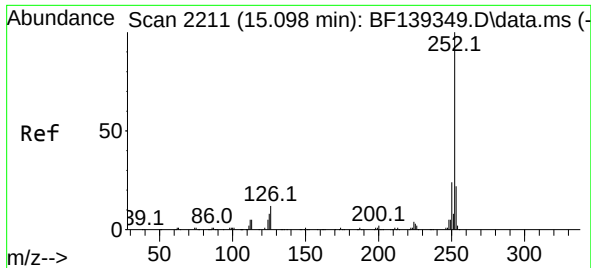
Delta R.T. 0.006 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

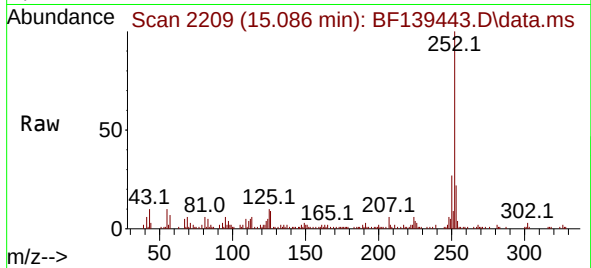
Tgt Ion:	252	Resp:	55907
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.6	26.4
125	9.4	6.2	9.2





#89
Benzo(k)fluoranthene
Concen: 4.510 ng m
RT: 15.086 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

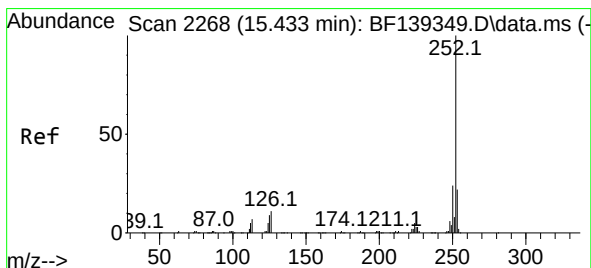
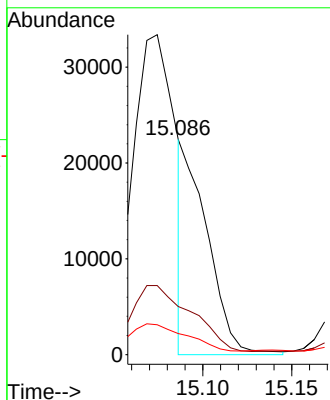
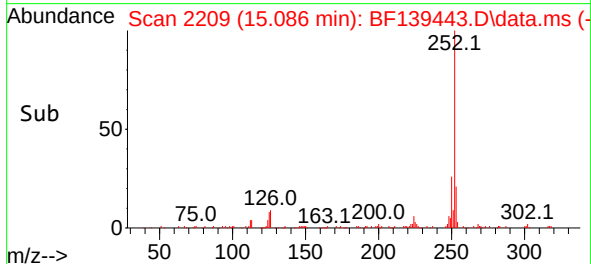
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09



Tgt Ion:252 Resp: 20759
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 9.8 5.9 8.9

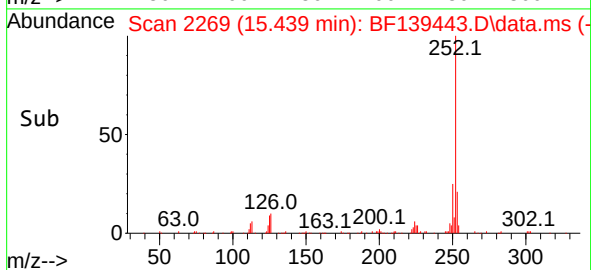
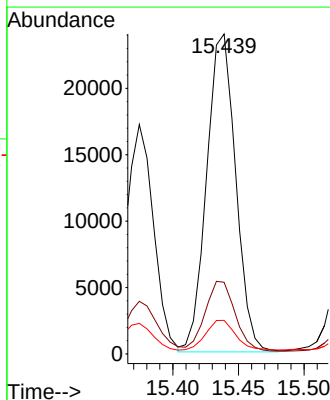
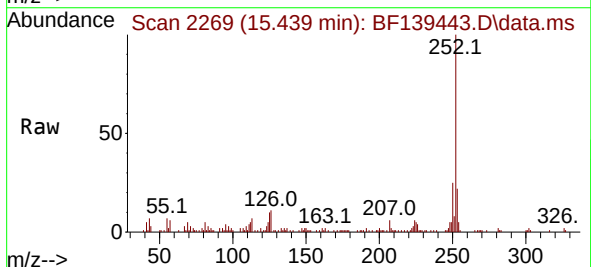
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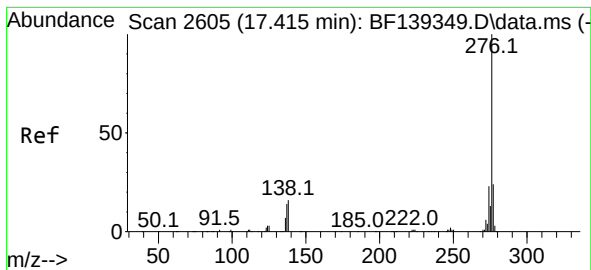
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#90
Benzo(a)pyrene
Concen: 8.928 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

Tgt Ion:252 Resp: 36961
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 10.5 6.8 10.2





#92

Benzo(g,h,i)perylene

Concen: 5.109 ng

RT: 17.410 min Scan# 20119

Delta R.T. -0.006 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09

Tgt Ion:	276	Resp:	20119
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.9	28.3
138	17.1	13.0	19.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

