

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
 Data File : BF139664.D
 Acq On : 04 Oct 2024 18:23
 Operator : RC/JU
 Sample : P4257-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/05/2024
 Supervised By :mohammad ahmed 10/07/2024

Quant Time: Oct 04 18:51:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	93002	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	348759	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	179369	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	278025	20.000	ng	0.00
76) Chrysene-d12	14.022	240	175438	20.000	ng	-0.01
86) Perylene-d12	15.492	264	192571	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	436037	81.263	ng	0.00
7) Phenol-d6	6.493	99	574772	79.655	ng	-0.01
23) Nitrobenzene-d5	7.422	82	373292	54.192	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	115889	66.929	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	673629	57.655	ng	-0.01
79) Terphenyl-d14	12.969	244	489049	45.740	ng	-0.01
Target Compounds						Qvalue
70) Pentachlorophenol	11.192	266	13904	7.382	ng	98
71) Phenanthrene	11.404	178	29952	2.285	ng	96
75) Fluoranthene	12.598	202	88810	6.197	ng	98
78) Pyrene	12.822	202	88206	5.621	ng	98
81) Benzo(a)anthracene	14.010	228	55814m	4.839	ng	
83) Chrysene	14.045	228	61593	5.841	ng	98
87) Indeno(1,2,3-cd)pyrene	16.951	276	47654	4.204	ng	96
88) Benzo(b)fluoranthene	15.063	252	120925m	9.712	ng	
89) Benzo(k)fluoranthene	15.080	252	39095m	3.701	ng	
90) Benzo(a)pyrene	15.427	252	74736	7.612	ng	98
92) Benzo(g,h,i)perylene	17.398	276	43852	4.651	ng	99

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

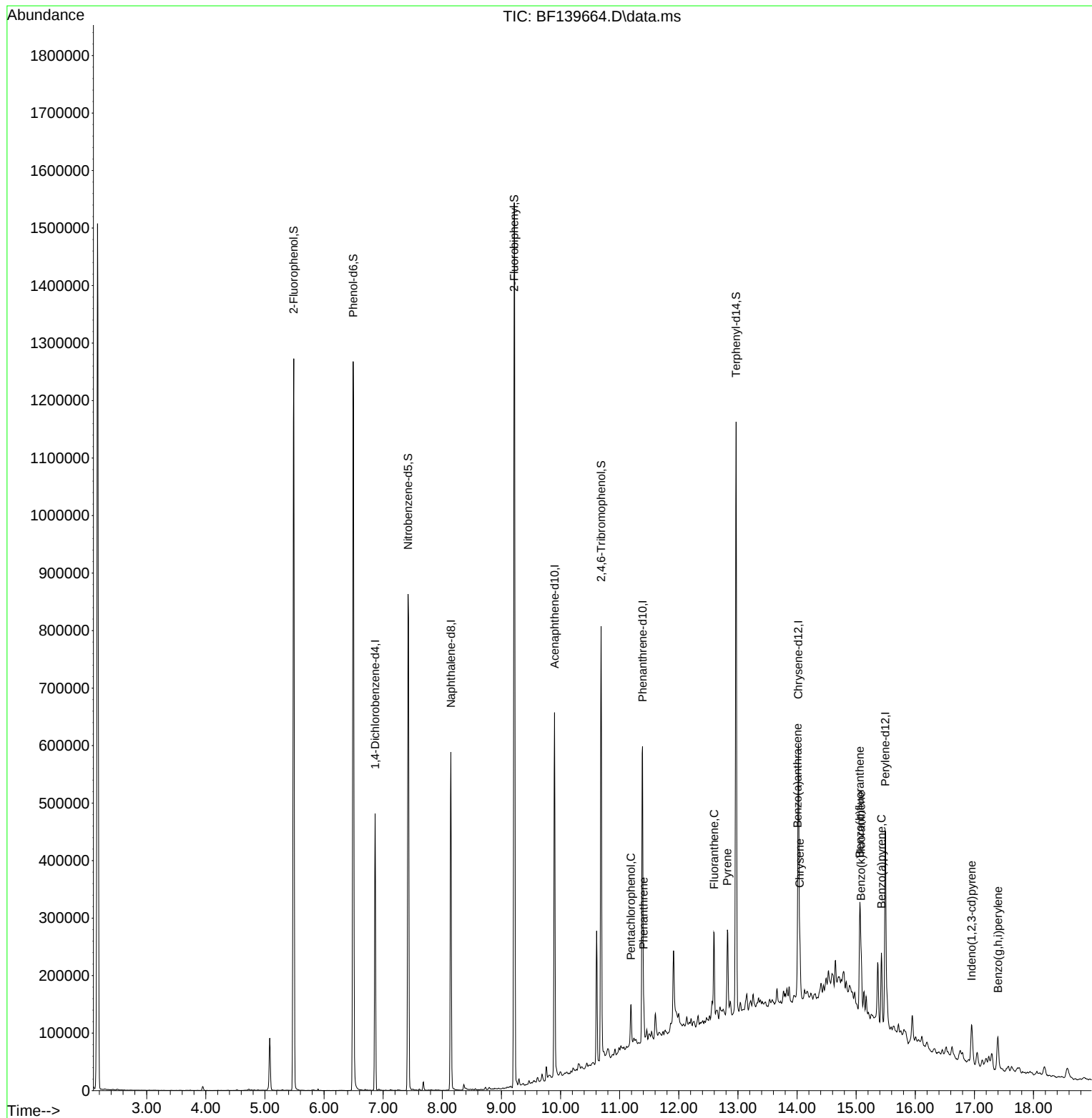
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
Data File : BF139664.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

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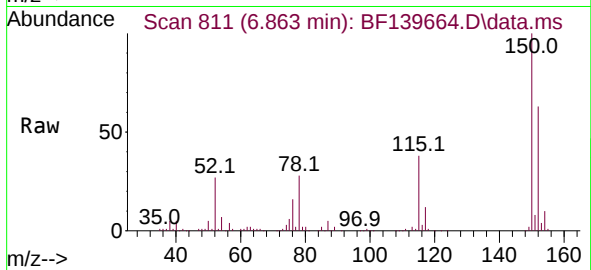
Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

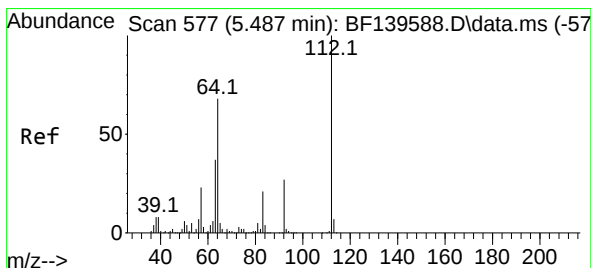
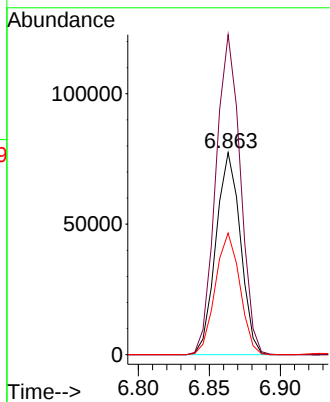
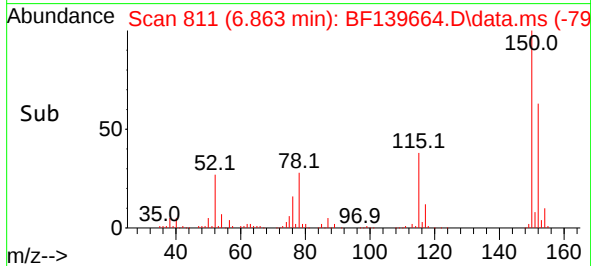
Instrument :
BNA_F
ClientSampleId :
VNJ-240



Tgt Ion:152 Resp: 93002
Ion Ratio Lower Upper
152 100
150 158.3 127.2 190.8
115 60.2 49.0 73.4

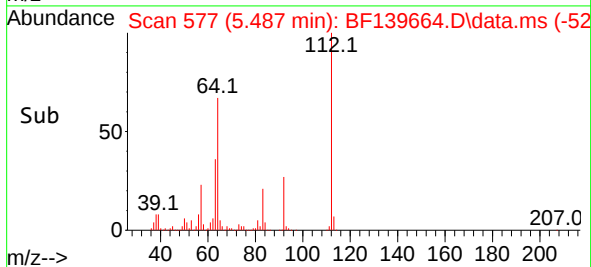
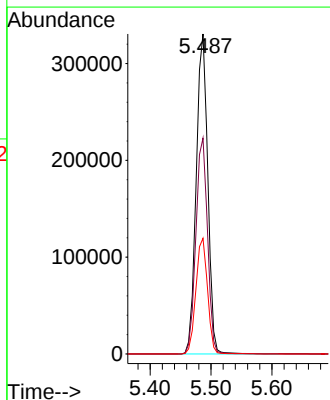
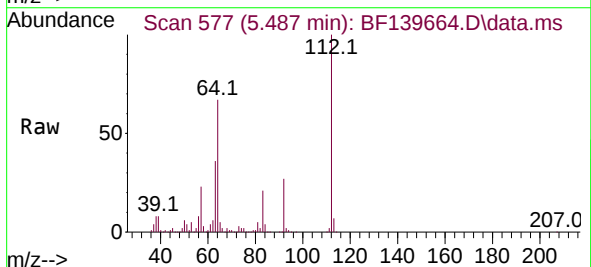
Manual Integrations
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#5
2-Fluorophenol
Concen: 81.263 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

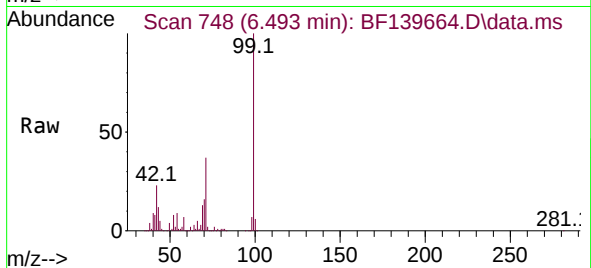
Tgt Ion:112 Resp: 436037
Ion Ratio Lower Upper
112 100
64 67.5 54.2 81.4
63 36.1 29.4 44.2





#7
Phenol-d6
Concen: 79.655 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

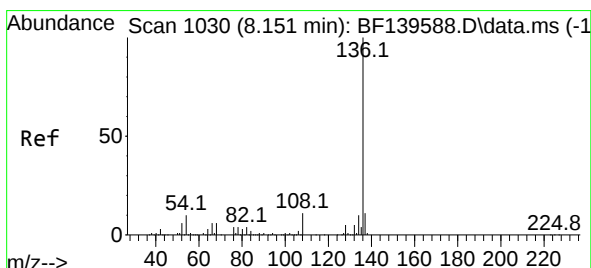
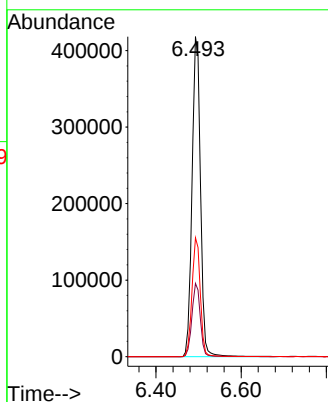
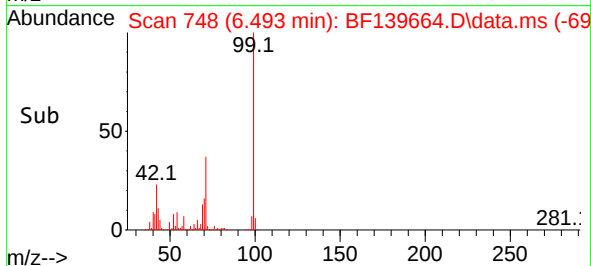
Instrument :
BNA_F
ClientSampleId :
VNJ-240



Tgt Ion: 99 Resp: 574772
Ion Ratio Lower Upper
99 100
42 22.9 19.1 28.7
71 37.2 29.7 44.5

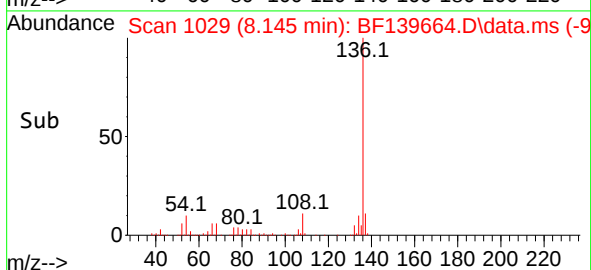
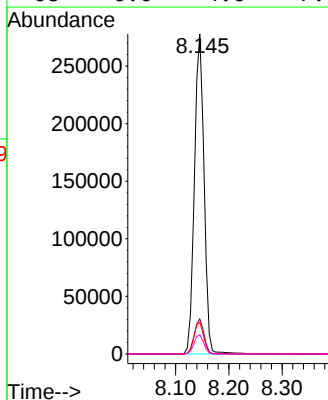
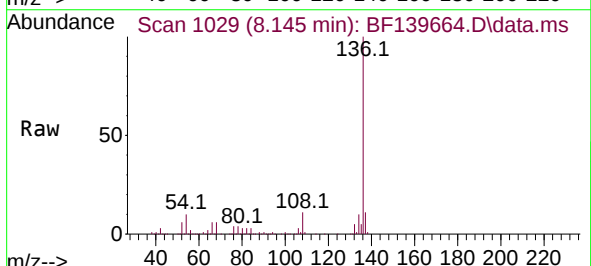
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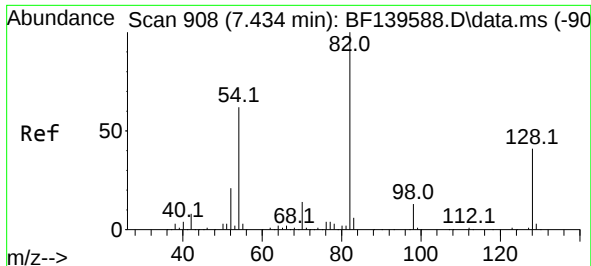
Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

Tgt Ion:136 Resp: 348759
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.9 8.3 12.5
68 6.0 4.6 7.0





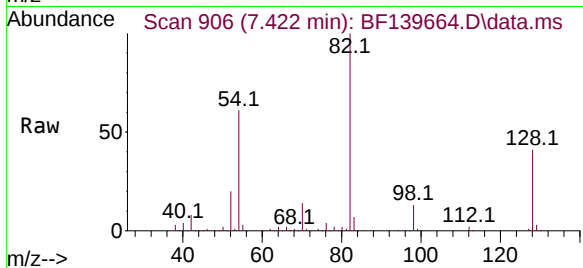
#23
Nitrobenzene-d5
Concen: 54.192 ng
RT: 7.422 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

Instrument :

BNA_F

ClientSampleId :

VNJ-240

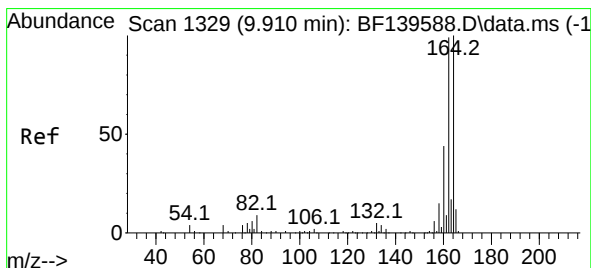
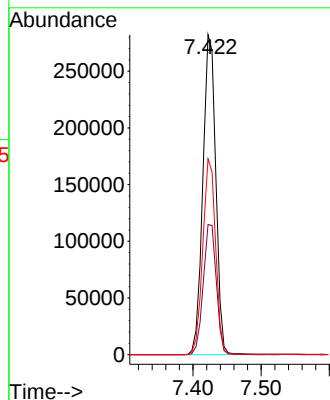
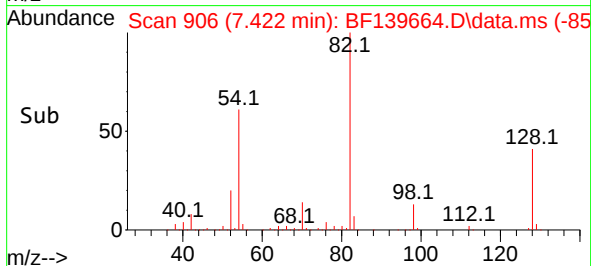


Tgt Ion: 82 Resp: 373292
Ion Ratio Lower Upper
82 100
128 40.7 32.4 48.6
54 61.2 49.1 73.7

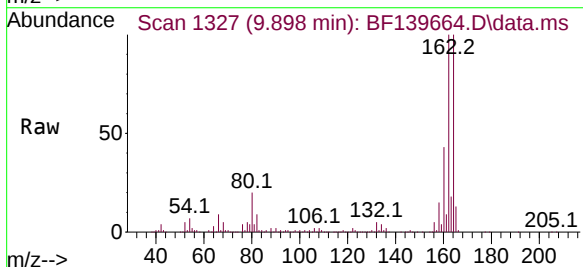
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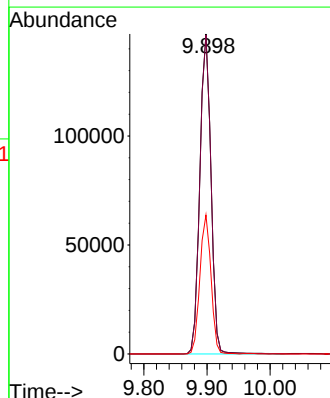
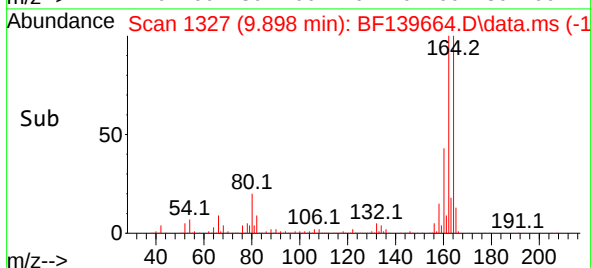
Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23



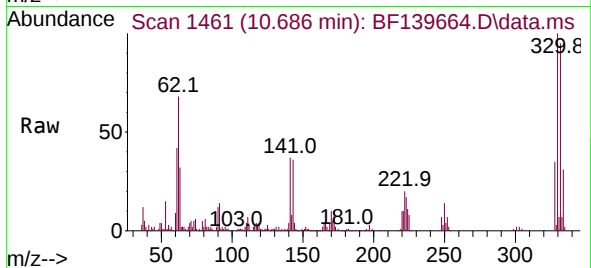
Tgt Ion:164 Resp: 179369
Ion Ratio Lower Upper
164 100
162 99.7 79.4 119.0
160 43.4 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 66.929 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

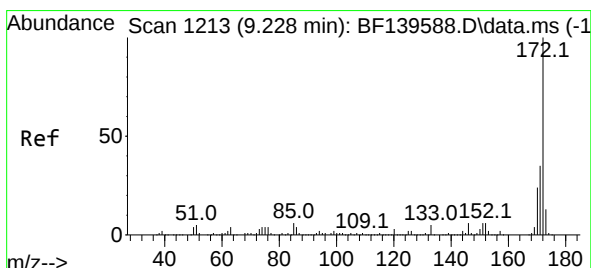
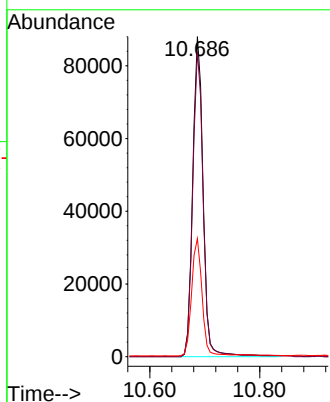
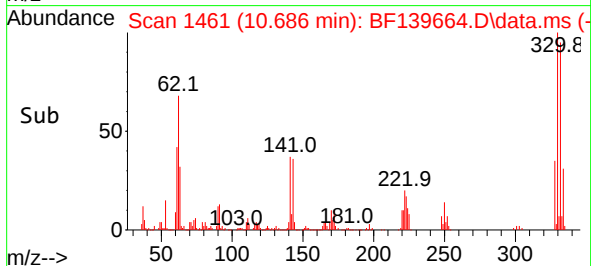
Instrument :
BNA_F
ClientSampleId :
VNJ-240



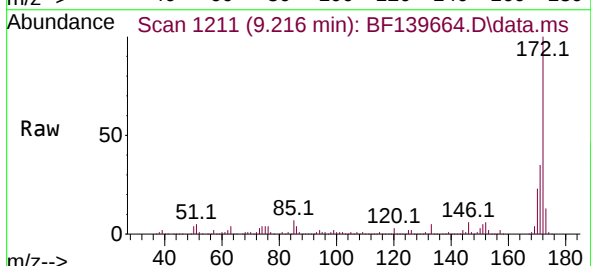
Tgt Ion: 330 Resp: 115889
Ion Ratio Lower Upper
330 100
332 95.4 76.5 114.7
141 36.3 29.3 43.9

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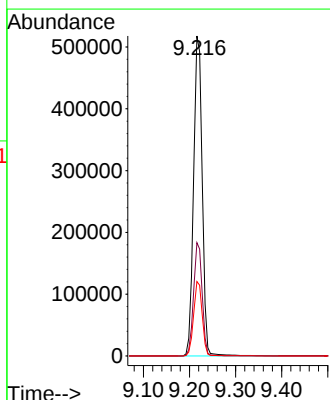
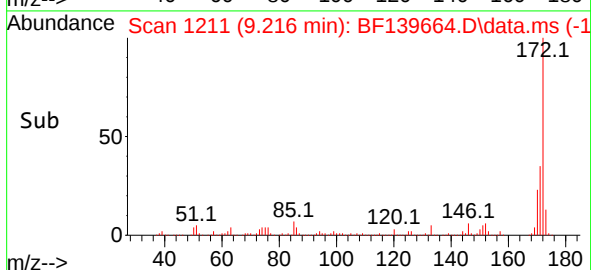
Reviewed By : Yogesh Patel 10/05/2024
Supervised By : mohammad ahmed 10/07/2024

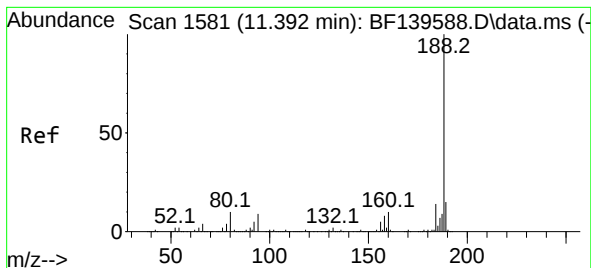


#45
2-Fluorobiphenyl
Concen: 57.655 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.012 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23



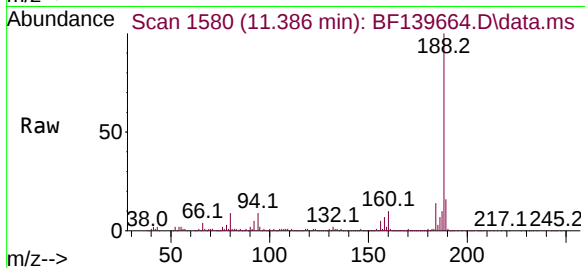
Tgt Ion: 172 Resp: 673629
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 23.3 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

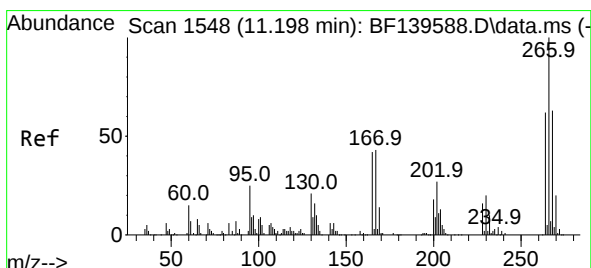
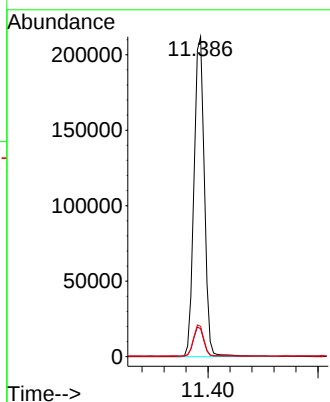
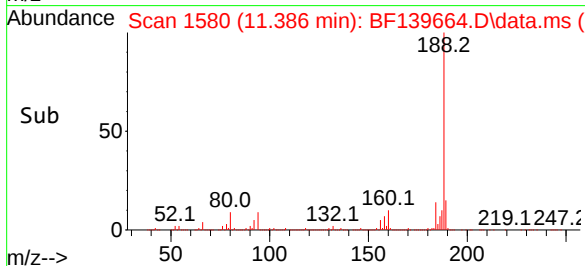
Instrument :
BNA_F
ClientSampleId :
VNJ-240



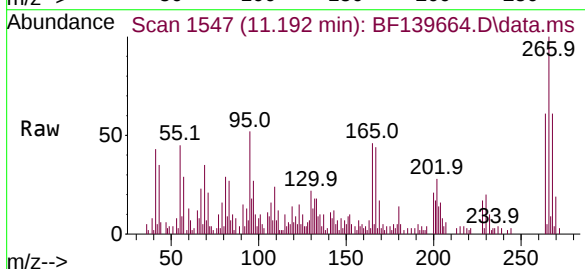
Tgt Ion:188 Resp: 27802
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.5 8.2 12.2

Manual Integrations
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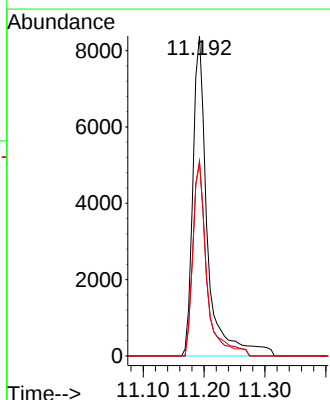
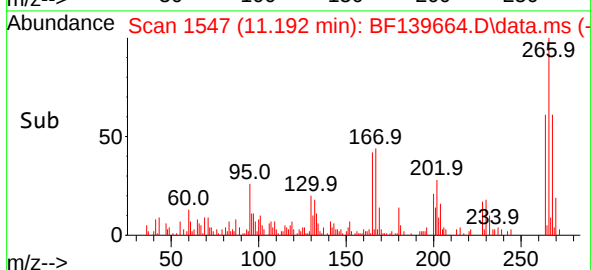
Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024

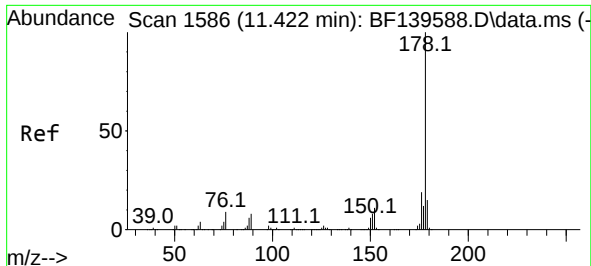


#70
Pentachlorophenol
Concen: 7.382 ng
RT: 11.192 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23



Tgt Ion:266 Resp: 13904
Ion Ratio Lower Upper
266 100
268 60.7 50.0 75.0
264 60.6 49.3 73.9





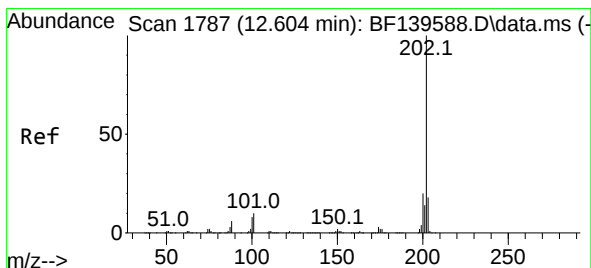
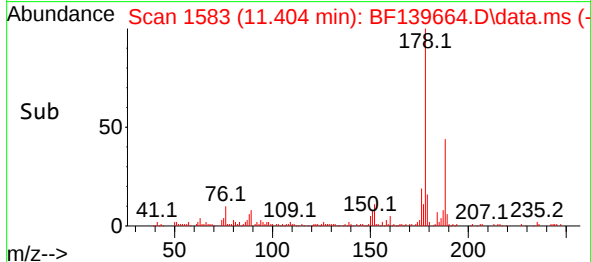
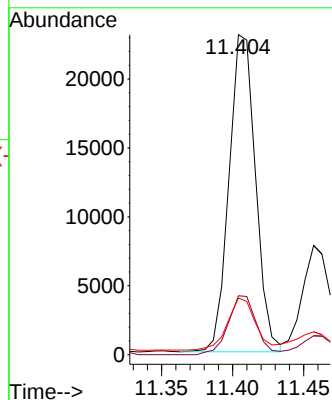
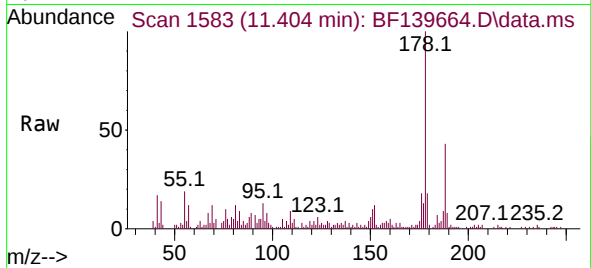
#71
Phenanthrene
Concen: 2.285 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

Instrument :
BNA_F
ClientSampleId :
VNJ-240

Tgt Ion:178 Resp: 2995
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 17.7 12.3 18.5

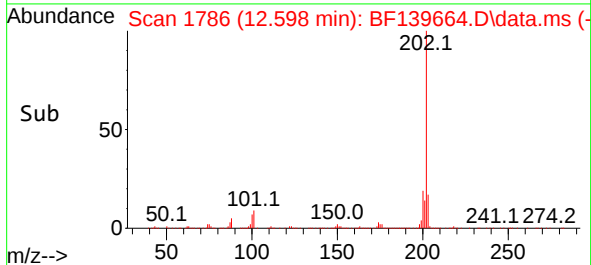
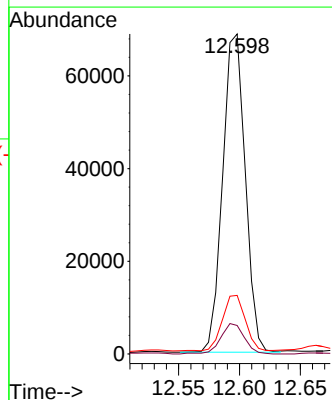
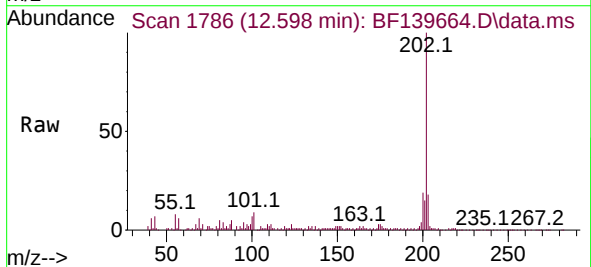
Manual Integrations
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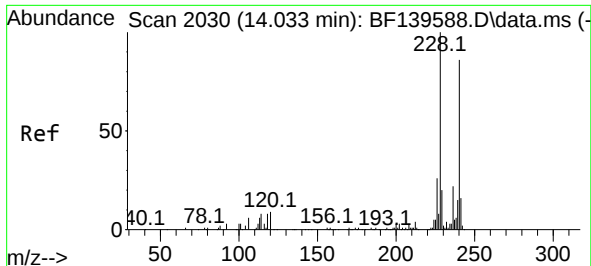
Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024



#75
Fluoranthene
Concen: 6.197 ng
RT: 12.598 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

Tgt Ion:202 Resp: 88810
Ion Ratio Lower Upper
202 100
101 8.9 0.0 30.2
203 18.3 0.0 37.7





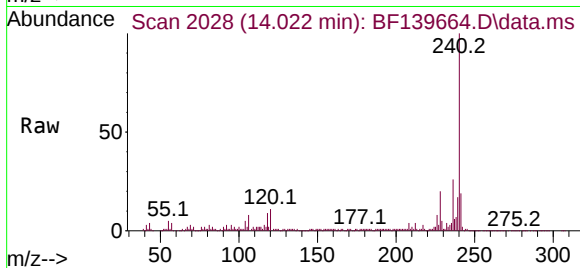
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.022 min Scan# 2030
Delta R.T. -0.011 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

Instrument :

BNA_F

ClientSampleId :

VNJ-240

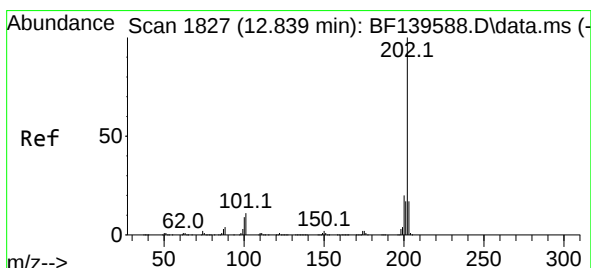
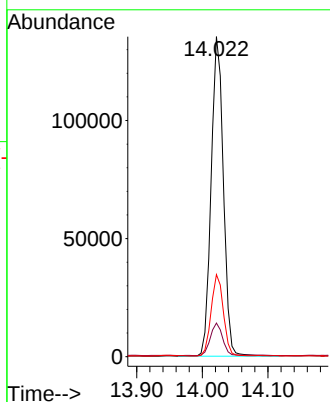
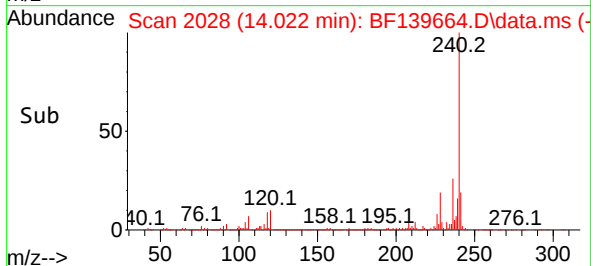


Tgt Ion:240 Resp: 175438
Ion Ratio Lower Upper
240 100
120 10.5 8.4 12.6
236 25.7 20.3 30.5

Manual Integrations

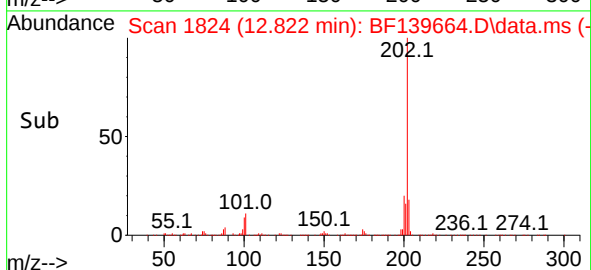
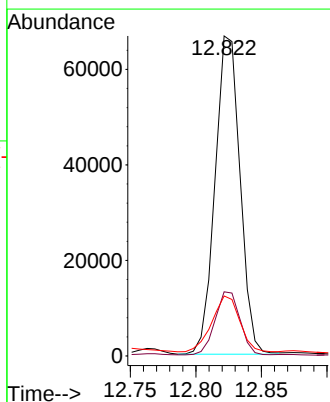
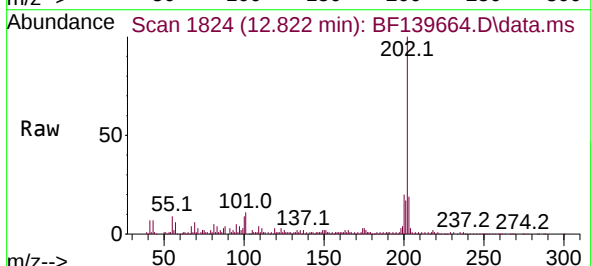
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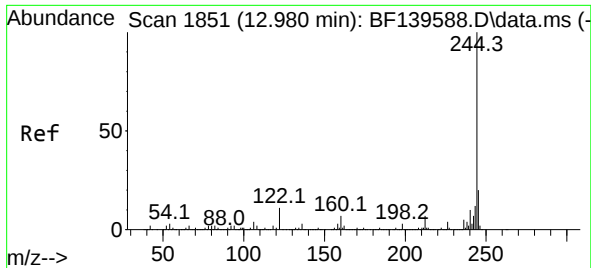
Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024



#78
Pyrene
Concen: 5.621 ng
RT: 12.822 min Scan# 1824
Delta R.T. -0.018 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

Tgt Ion:202 Resp: 88206
Ion Ratio Lower Upper
202 100
200 20.1 15.8 23.6
203 18.8 13.8 20.8





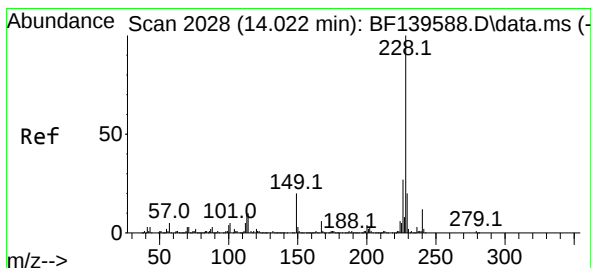
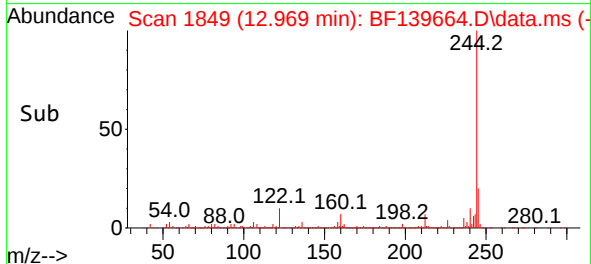
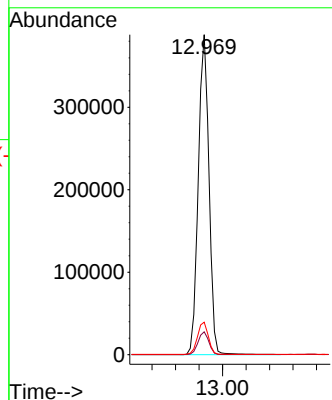
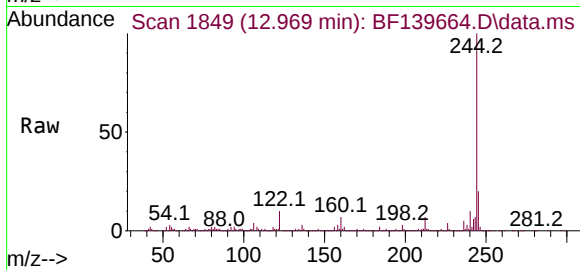
#79
Terphenyl-d14
Concen: 45.740 ng
RT: 12.969 min Scan# 1849
Delta R.T. -0.011 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

Instrument :
BNA_F
ClientSampleId :
VNJ-240

Tgt Ion:244 Resp: 489049
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 10.1 8.6 12.8

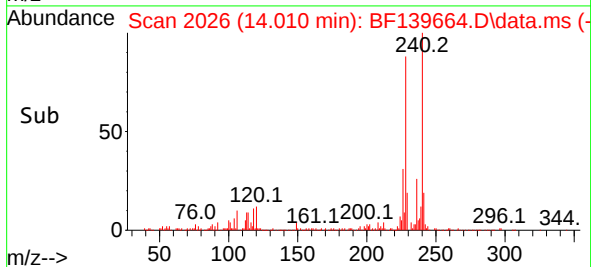
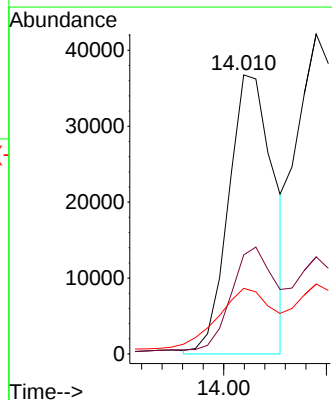
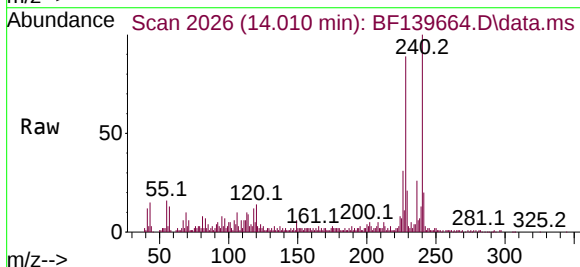
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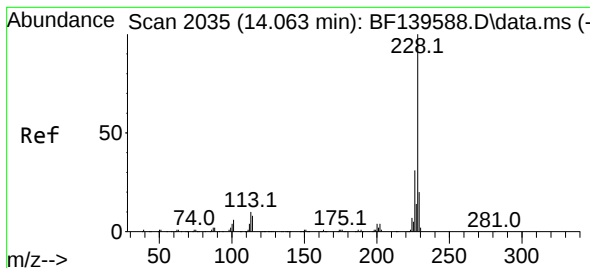
Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024



#81
Benzo(a)anthracene
Concen: 4.839 ng m
RT: 14.010 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

Tgt Ion:228 Resp: 55814
Ion Ratio Lower Upper
228 100
226 35.5 21.8 32.8#
229 23.5 15.8 23.8





#83

Chrysene

Concen: 5.841 ng

RT: 14.045 min Scan# 2035

Delta R.T. -0.018 min

Lab File: BF139664.D

Acq: 04 Oct 2024 18:23

Instrument :

BNA_F

ClientSampleId :

VNJ-240

Tgt Ion:228 Resp: 6159

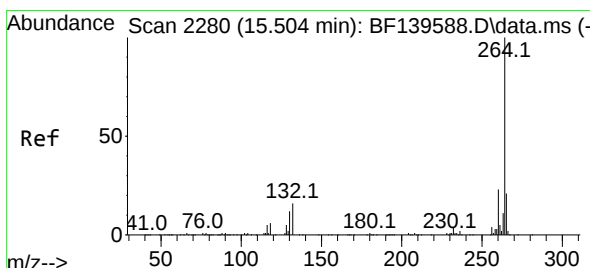
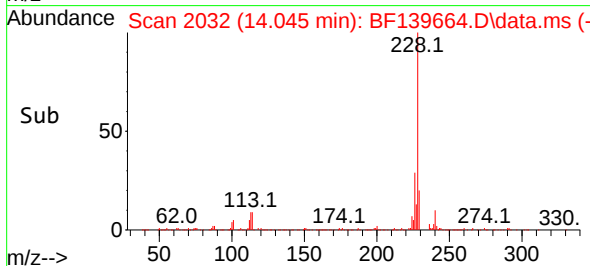
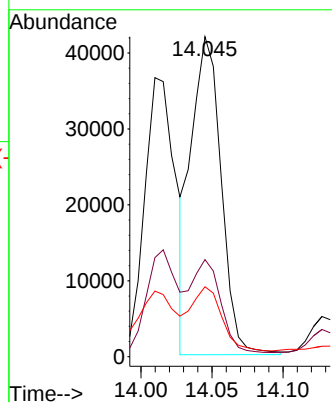
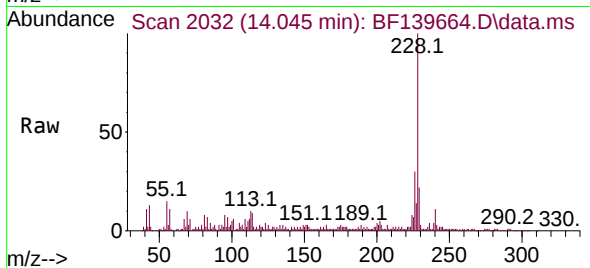
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	21.9	15.7	23.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/05/2024

Supervised By :mohammad ahmed 10/07/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2278

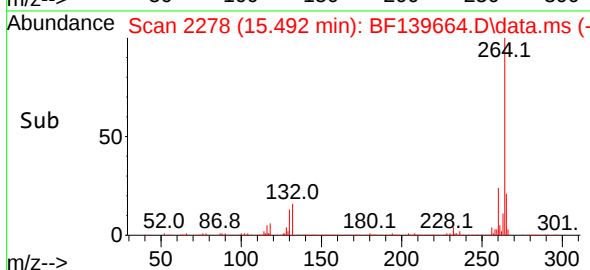
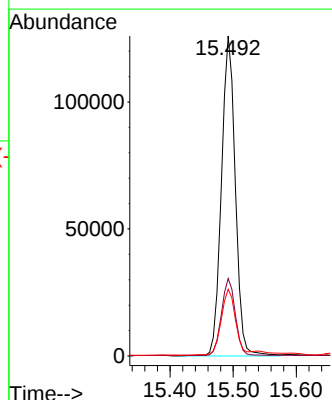
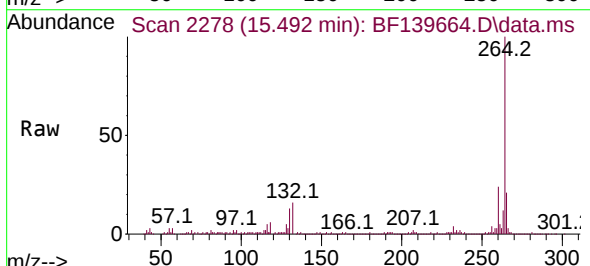
Delta R.T. -0.012 min

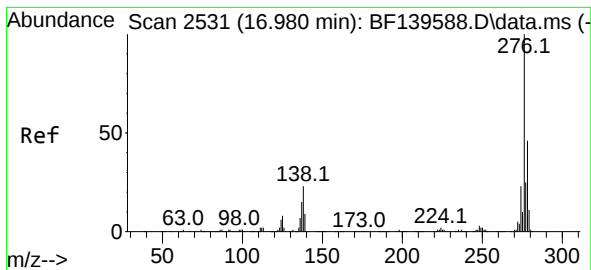
Lab File: BF139664.D

Acq: 04 Oct 2024 18:23

Tgt Ion:264 Resp: 192571

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	20.9	16.9	25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.204 ng

RT: 16.951 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF139664.D

Acq: 04 Oct 2024 18:23

Instrument :

BNA_F

ClientSampleId :

VNJ-240

Tgt Ion:276 Resp: 47654

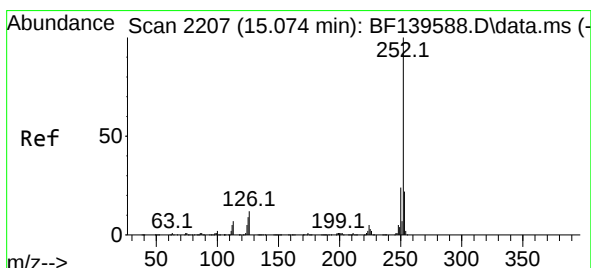
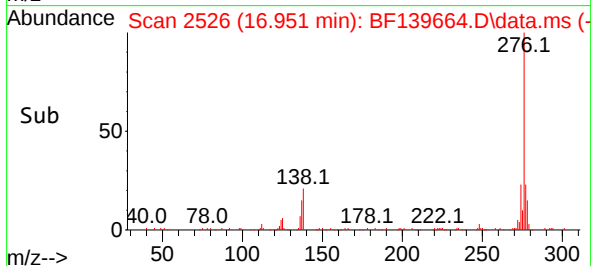
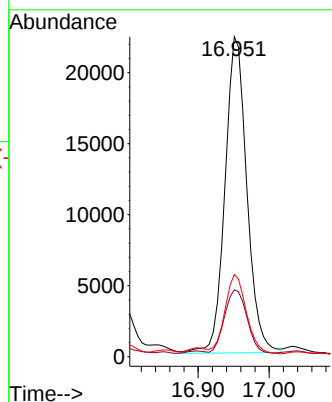
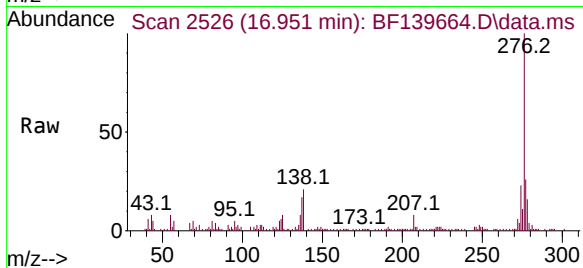
Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.4	29.0
277	24.5	20.2	30.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/05/2024

Supervised By :mohammad ahmed 10/07/2024



#88

Benzo(b)fluoranthene

Concen: 9.712 ng m

RT: 15.063 min Scan# 2205

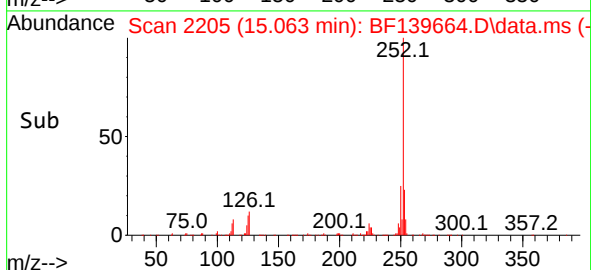
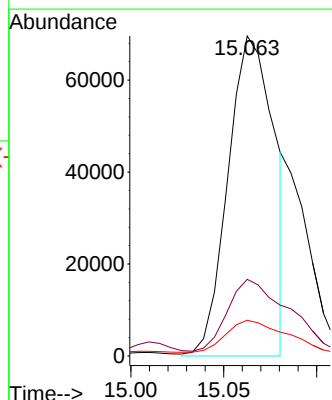
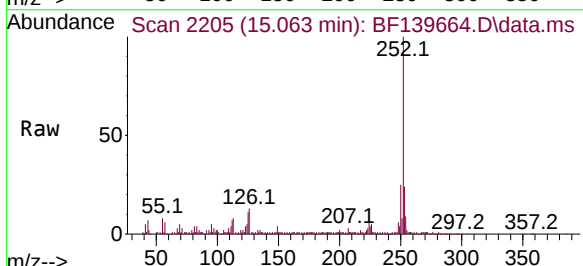
Delta R.T. -0.012 min

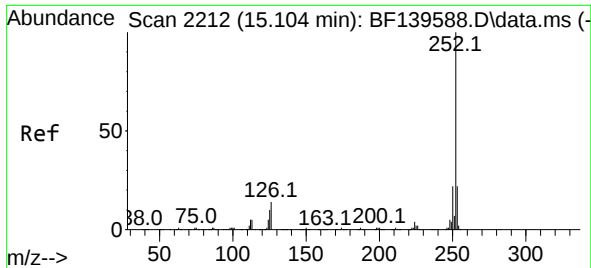
Lab File: BF139664.D

Acq: 04 Oct 2024 18:23

Tgt Ion:252 Resp: 120925

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	11.1	7.4	11.0#





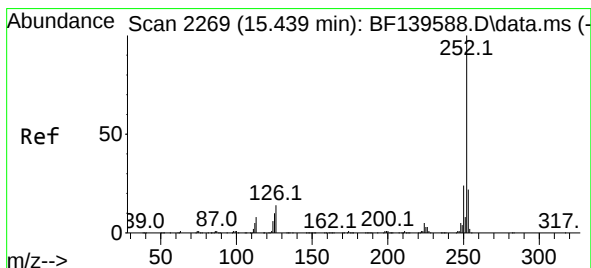
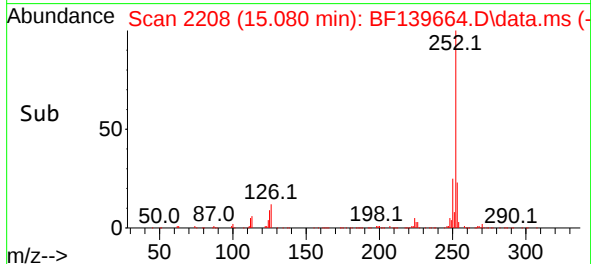
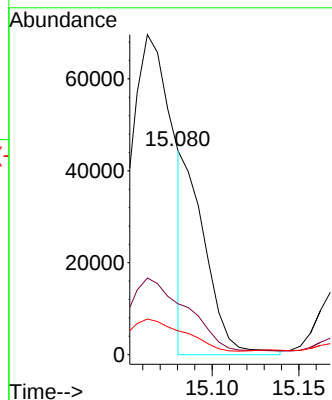
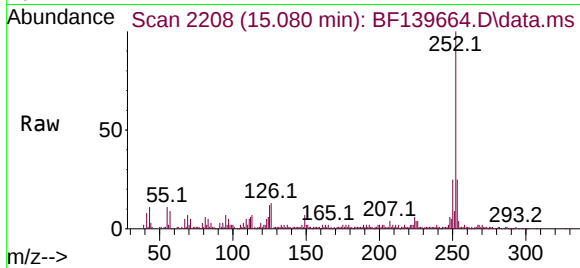
#89
Benzo(k)fluoranthene
Concen: 3.701 ng m
RT: 15.080 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

Instrument :
BNA_F
ClientSampleId :
VNJ-240

Tgt Ion:252 Resp: 3909
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 11.7 7.6 11.4

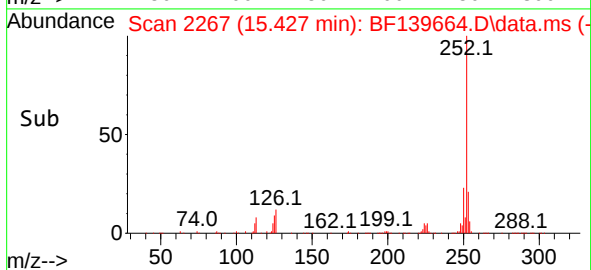
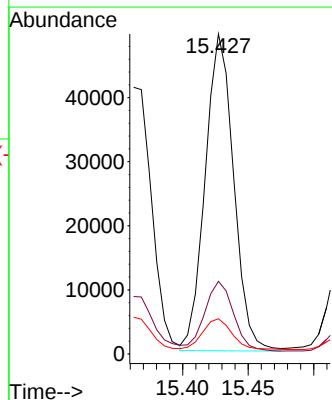
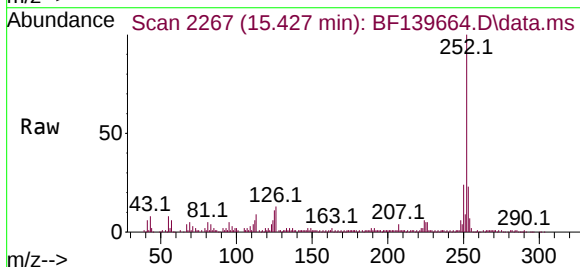
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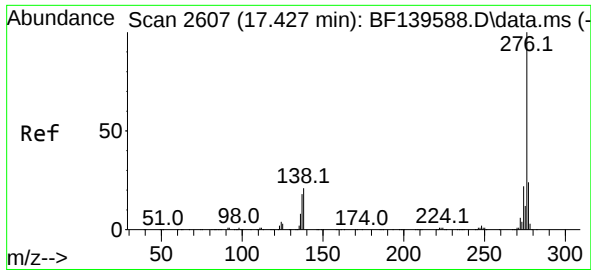
Reviewed By :Yogesh Patel 10/05/2024
Supervised By :mohammad ahmed 10/07/2024



#90
Benzo(a)pyrene
Concen: 7.612 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF139664.D
Acq: 04 Oct 2024 18:23

Tgt Ion:252 Resp: 74736
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 11.0 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 4.651 ng

RT: 17.398 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF139664.D

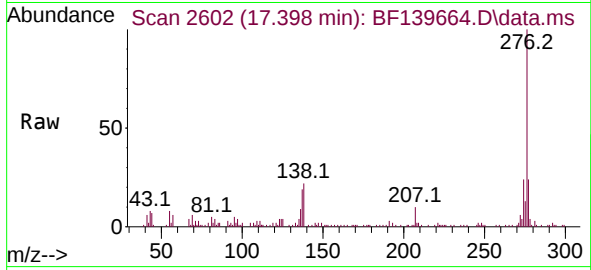
Acq: 04 Oct 2024 18:23

Instrument :

BNA_F

ClientSampleId :

VNJ-240



Tgt Ion:276 Resp: 4385

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.6

138 22.0 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/05/2024

Supervised By :mohammad ahmed 10/07/2024

