

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141466.D
 Acq On : 05 Feb 2025 23:41
 Operator : RC/JU
 Sample : Q1206-07 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.3-012725

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 06 01:51:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	60479	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	215731	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	104225	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	180536	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	126264	20.000	ng	#-0.02
86) Perylene-d12	15.415	264	92226	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	100439	25.495	ng	0.00
7) Phenol-d6	6.428	99	116360	23.218	ng	-0.01
23) Nitrobenzene-d5	7.351	82	75045	18.338	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	24431	25.569	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	122157	18.040	ng	-0.02
79) Terphenyl-d14	12.898	244	129031	15.760	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	86722	8.936	ng	99
72) Anthracene	11.392	178	22746	2.392	ng	97
75) Fluoranthene	12.527	202	205518	21.448	ng	97
78) Pyrene	12.757	202	211806	17.476	ng	98
81) Benzo(a)anthracene	13.945	228	80672	9.259	ng	96
83) Chrysene	13.980	228	69248	8.672	ng	97
87) Indeno(1,2,3-cd)pyrene	16.856	276	27139	4.559	ng	# 91
88) Benzo(b)fluoranthene	14.998	252	66696m	11.497	ng	
89) Benzo(k)fluoranthene	15.010	252	26666m	5.189	ng	
90) Benzo(a)pyrene	15.357	252	51379	10.481	ng	# 91
92) Benzo(g,h,i)perylene	17.292	276	26633	5.348	ng	97

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

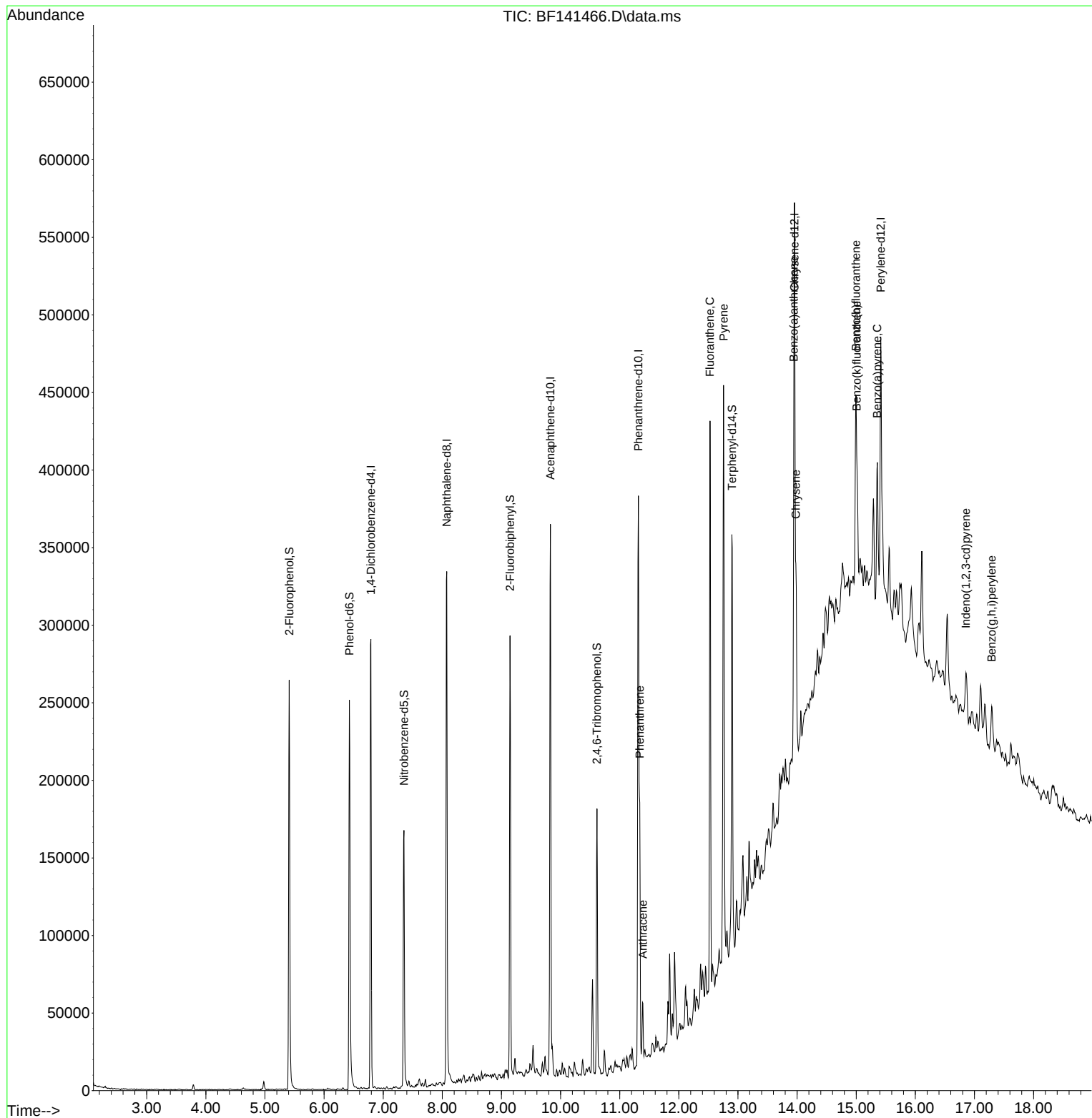
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141466.D
Acq On : 05 Feb 2025 23:41
Operator : RC/JU
Sample : Q1206-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

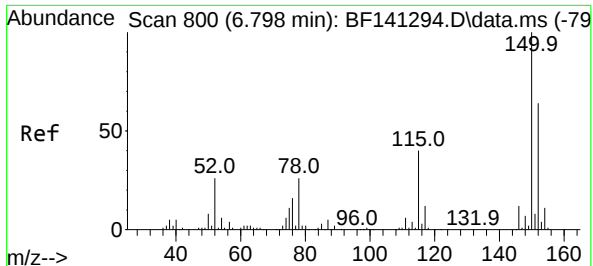
Instrument :
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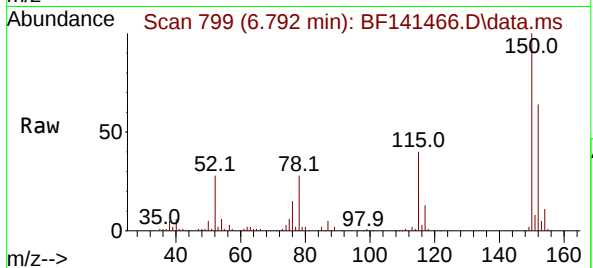
Quant Time: Feb 06 01:51:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

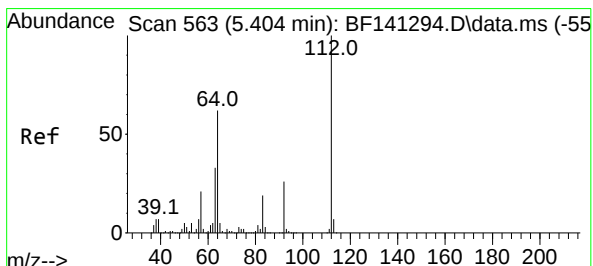
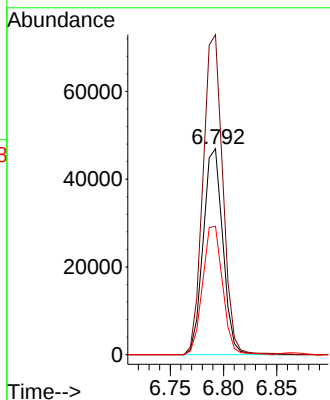
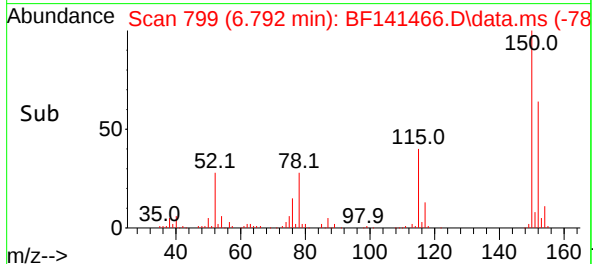
Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725



Tgt Ion:152 Resp: 60479
Ion Ratio Lower Upper
152 100
150 155.4 125.9 188.9
115 62.4 49.7 74.5

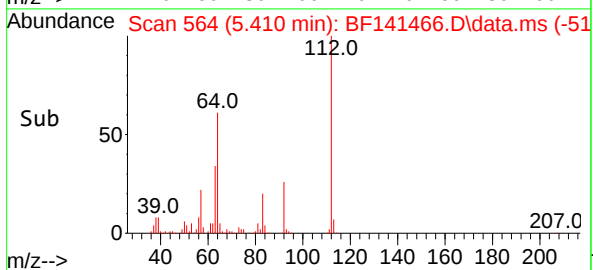
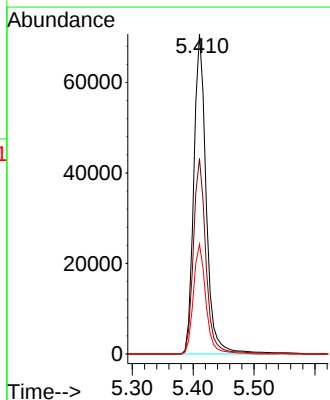
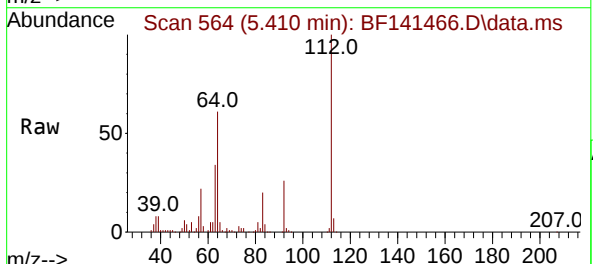
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#5
2-Fluorophenol
Concen: 25.495 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

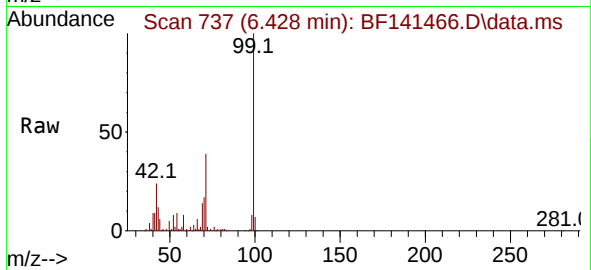
Tgt Ion:112 Resp: 100439
Ion Ratio Lower Upper
112 100
64 61.0 49.8 74.8
63 34.3 26.1 39.1





#7
Phenol-d6
Concen: 23.218 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

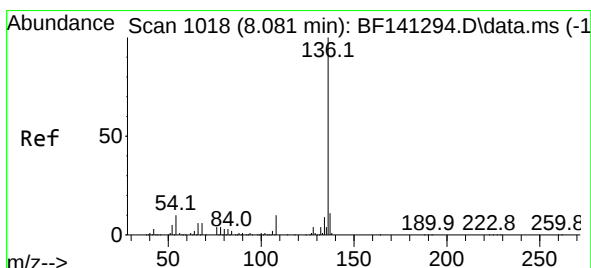
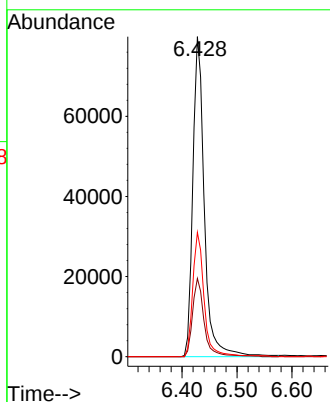
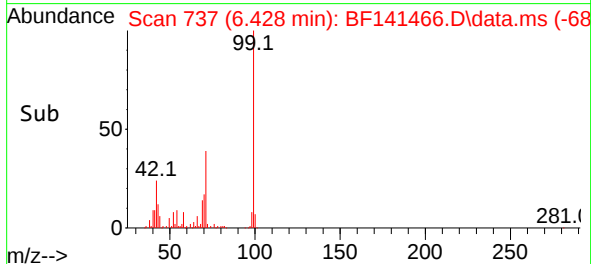
Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725



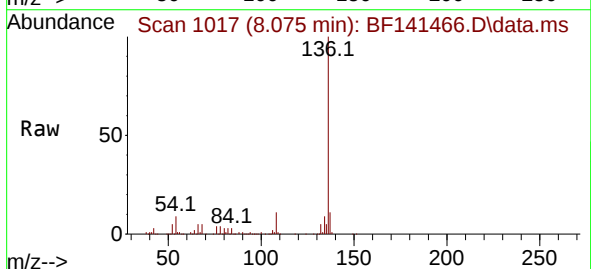
Tgt Ion: 99 Resp: 116360
Ion Ratio Lower Upper
99 100
42 24.5 17.1 25.7
71 38.9 26.9 40.3

Manual Integrations
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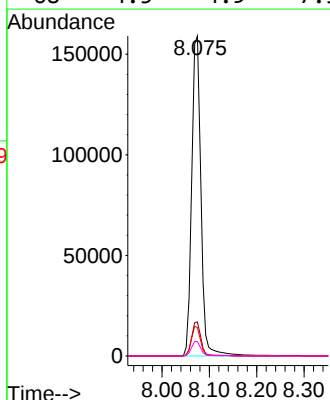
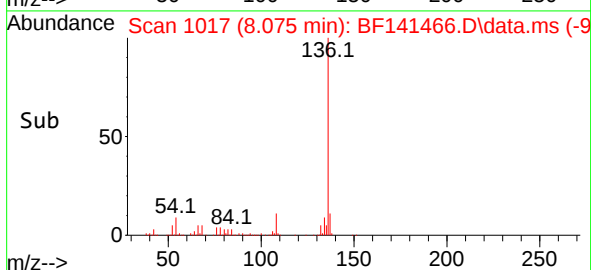
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

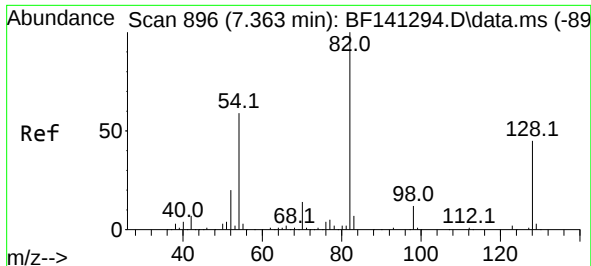


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41



Tgt Ion:136 Resp: 215731
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.9 7.8 11.8
68 4.5 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 18.338 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Instrument :

BNA_F

ClientSampleId :

JPP-16.3-012725

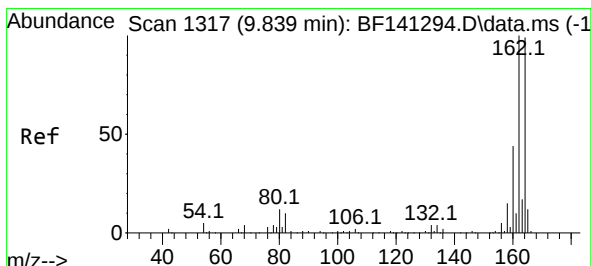
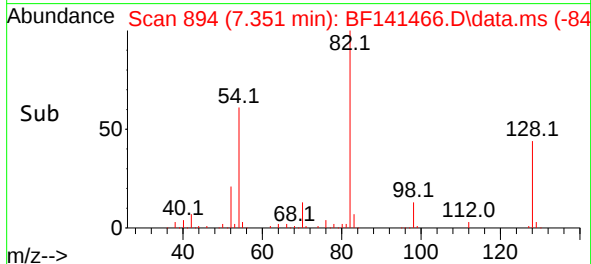
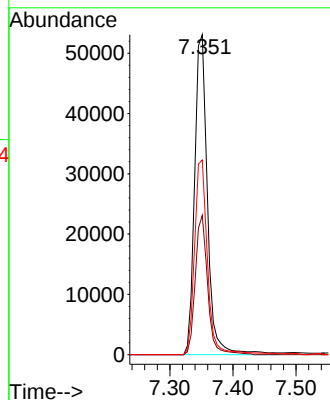
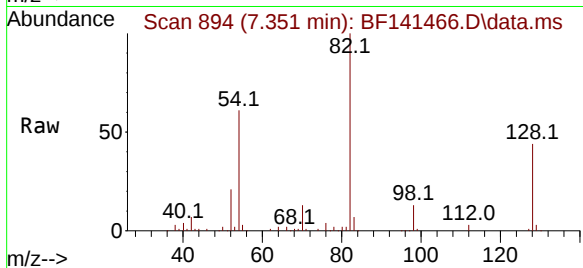
Tgt Ion: 82 Resp: 75045
 Ion Ratio Lower Upper
 82 100
 128 43.6 35.7 53.5
 54 60.9 47.1 70.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

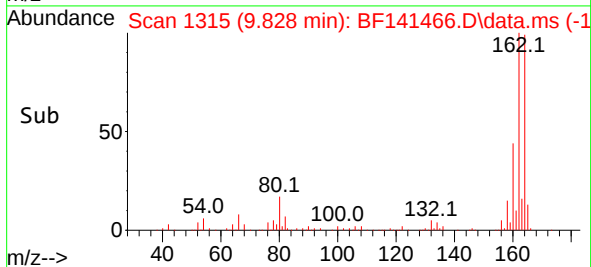
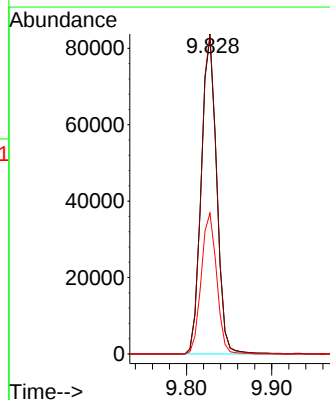
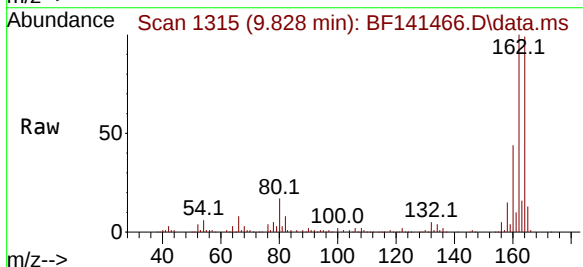
RT: 9.828 min Scan# 1315

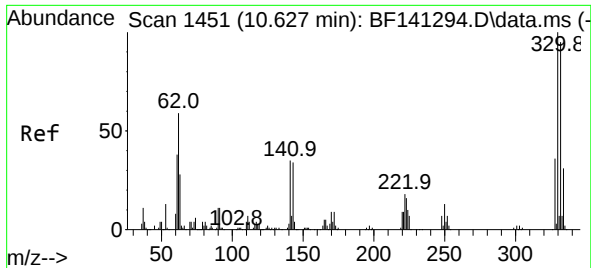
Delta R.T. -0.012 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

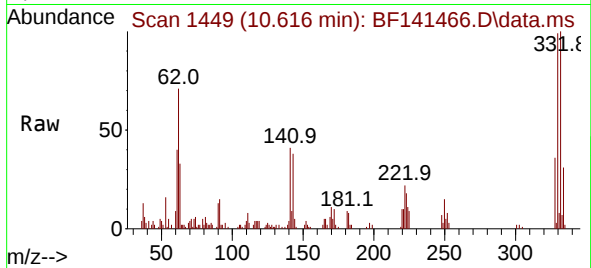
Tgt Ion:164 Resp: 104225
 Ion Ratio Lower Upper
 164 100
 162 101.0 80.6 121.0
 160 44.4 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 25.569 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

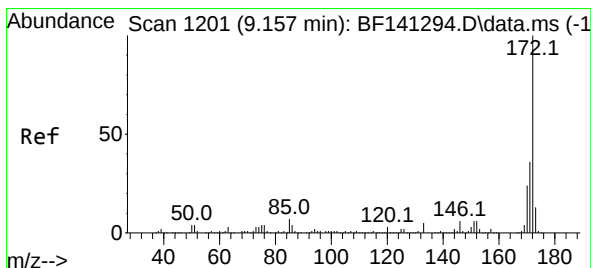
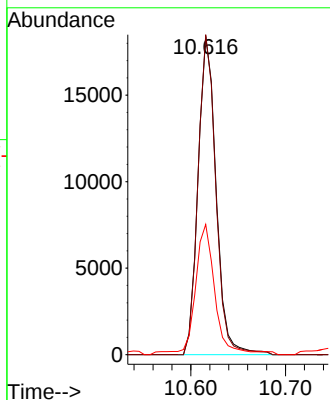
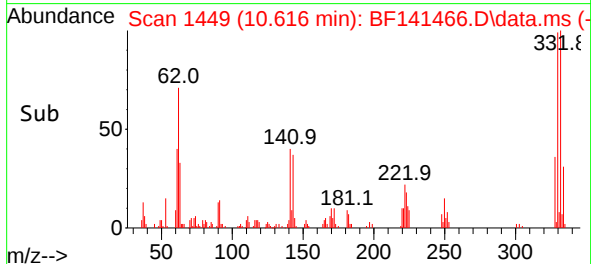
Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725



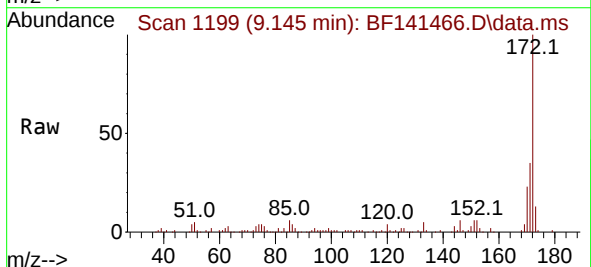
Tgt Ion: 330 Resp: 2443
Ion Ratio Lower Upper
330 100
332 98.6 76.1 114.1
141 44.0 28.8 43.2

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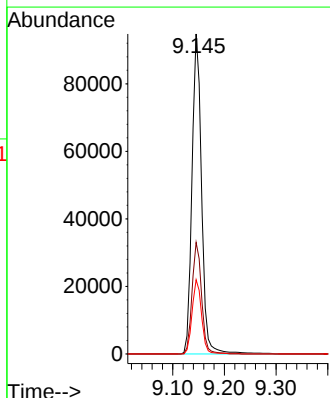
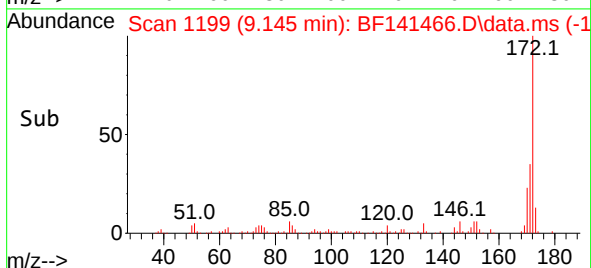
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

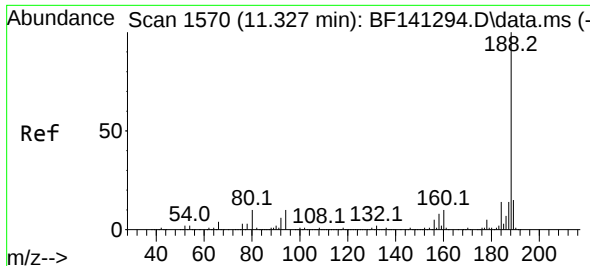


#45
2-Fluorobiphenyl
Concen: 18.040 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41



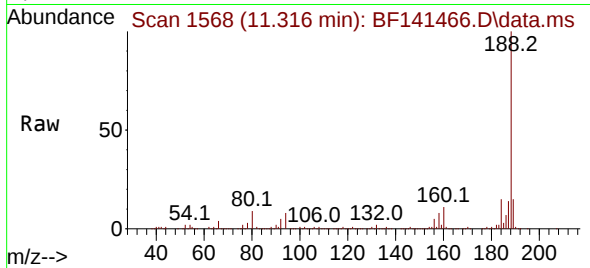
Tgt Ion: 172 Resp: 122157
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 23.2 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

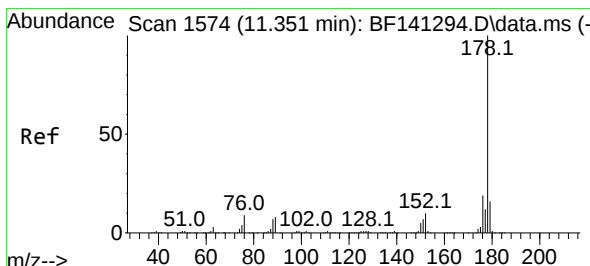
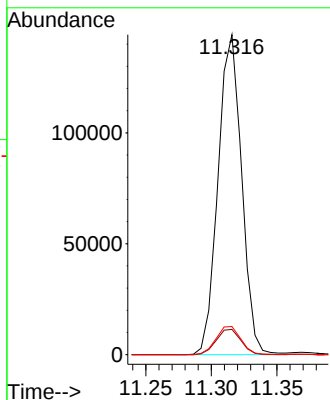
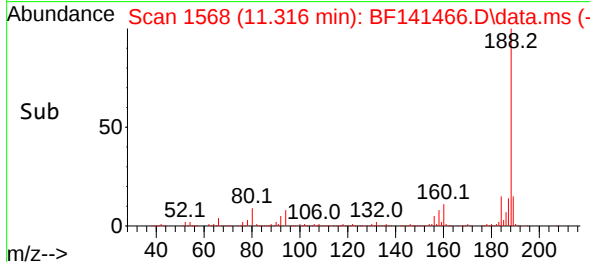
Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725



Tgt Ion:188 Resp: 180530
Ion Ratio Lower Upper
188 100
94 7.9 7.8 11.6
80 8.8 8.2 12.4

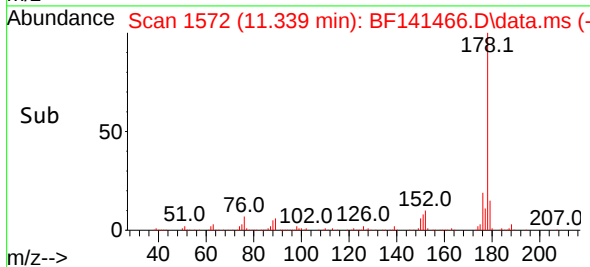
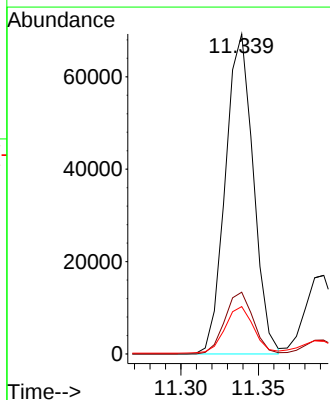
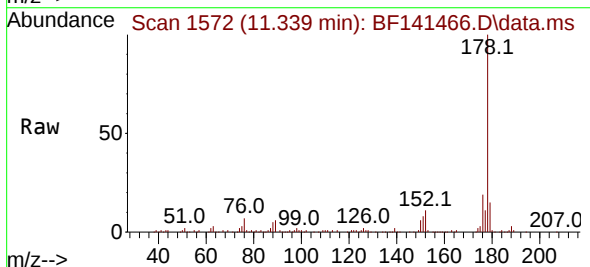
Manual Integrations
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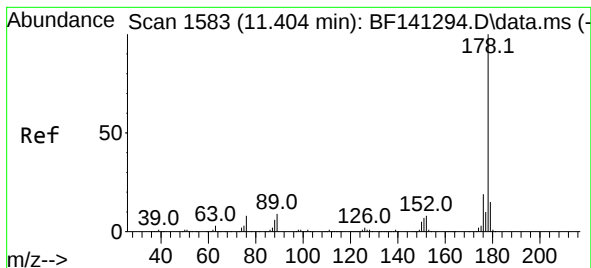
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#71
Phenanthrene
Concen: 8.936 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:178 Resp: 86722
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 14.8 12.5 18.7





#72

Anthracene

Concen: 2.392 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Instrument :

BNA_F

ClientSampleId :

JPP-16.3-012725

Tgt Ion:178 Resp: 22740

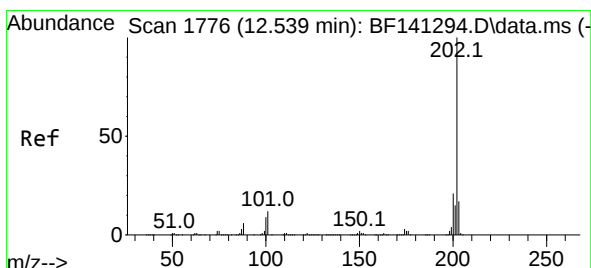
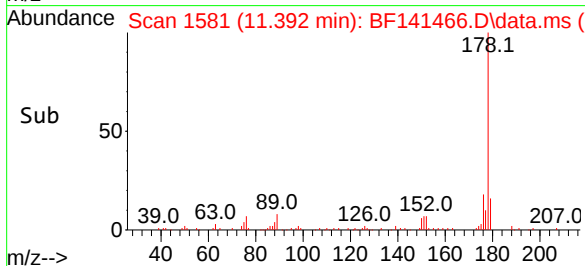
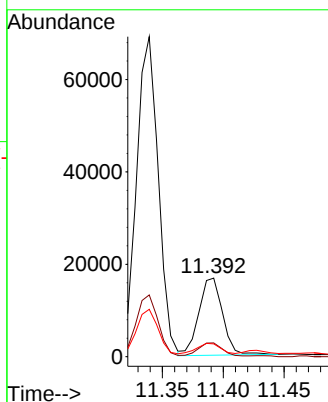
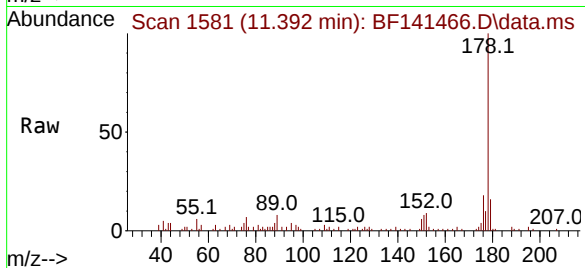
Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.0	22.6
179	16.3	12.3	18.5

Manual Integrations

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#75

Fluoranthene

Concen: 21.448 ng

RT: 12.527 min Scan# 1774

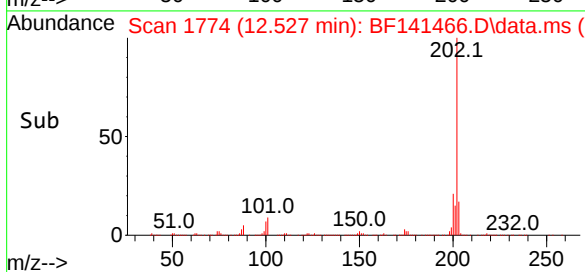
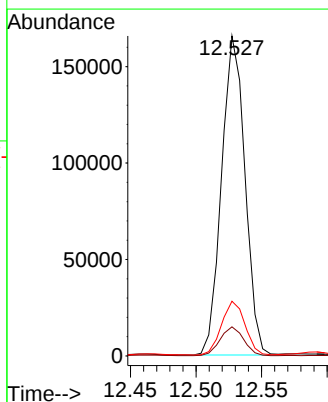
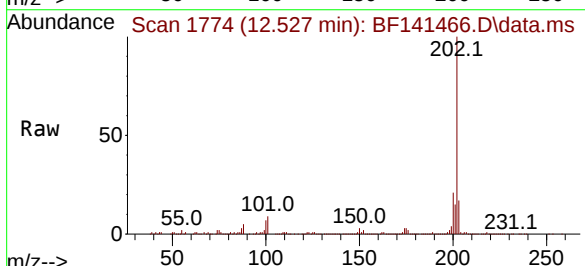
Delta R.T. -0.012 min

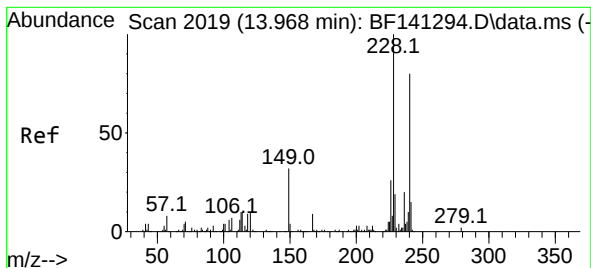
Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Tgt Ion:202 Resp: 205518

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	31.7
203	17.1	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2019

Delta R.T. -0.018 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Instrument :

BNA_F

ClientSampleId :

JPP-16.3-012725

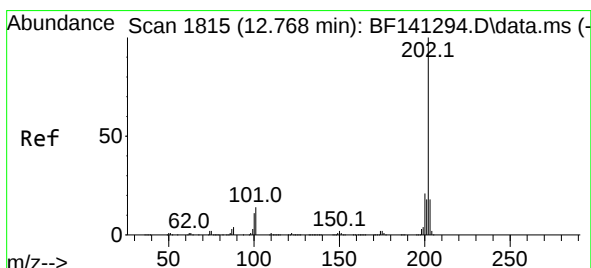
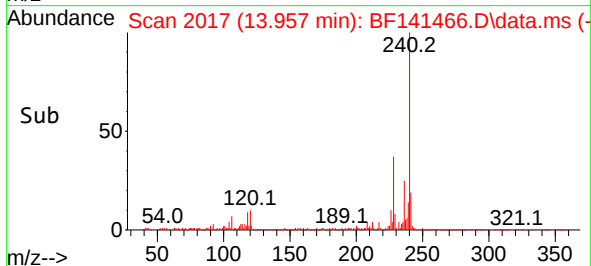
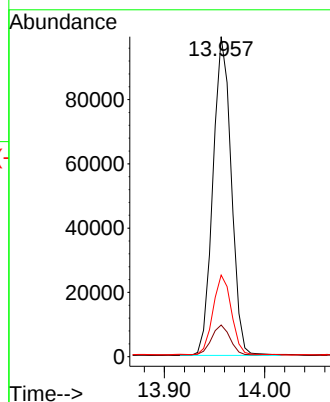
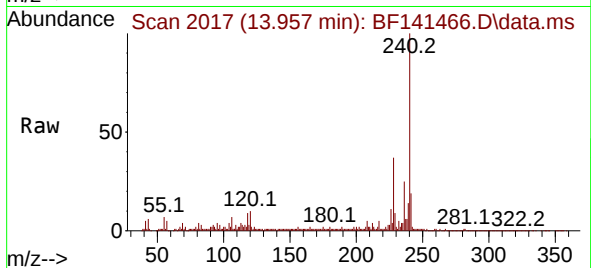
Tgt Ion:240 Resp: 126264
 Ion Ratio Lower Upper
 240 100
 120 9.9 10.0 15.0
 236 25.5 19.7 29.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

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#78

Pyrene

Concen: 17.476 ng

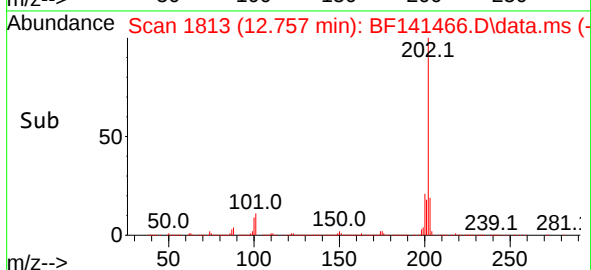
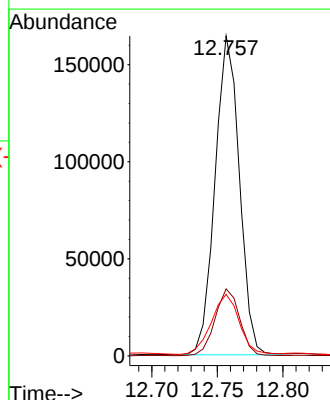
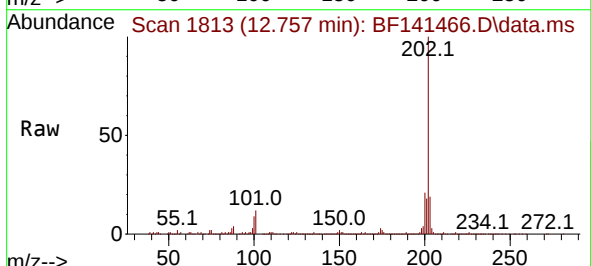
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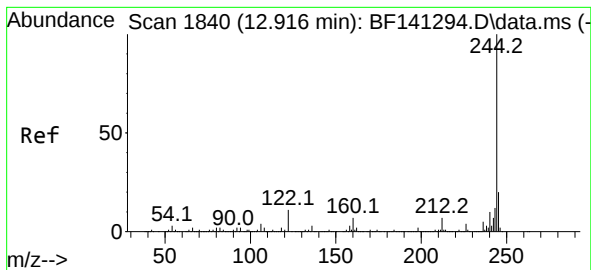
Delta R.T. -0.012 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Tgt Ion:202 Resp: 211806
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.0 25.4
 203 19.2 14.3 21.5





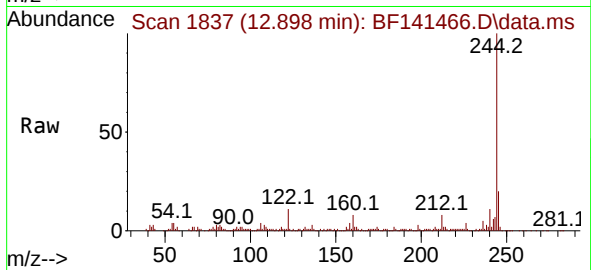
#79
 Terphenyl-d14
 Concen: 15.760 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF141466.D
 Acq: 05 Feb 2025 23:41

Instrument :

BNA_F

ClientSampleId :

JPP-16.3-012725

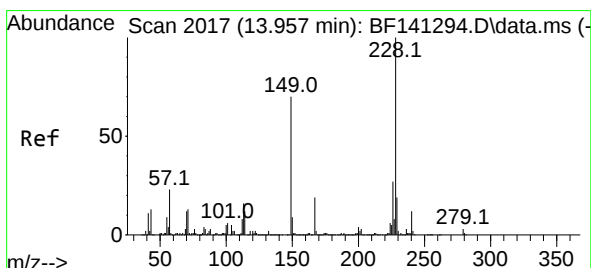
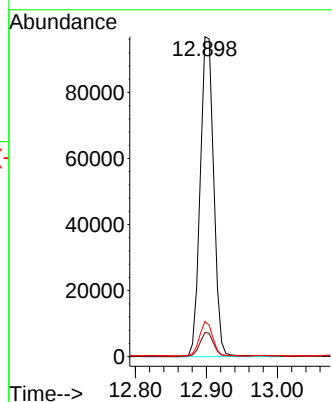
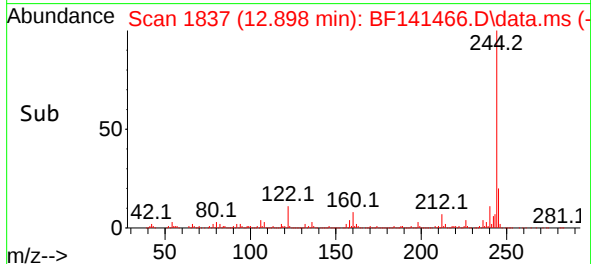


Tgt Ion:244 Resp: 12903
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.0
 122 11.0 8.8 13.2

Manual Integrations

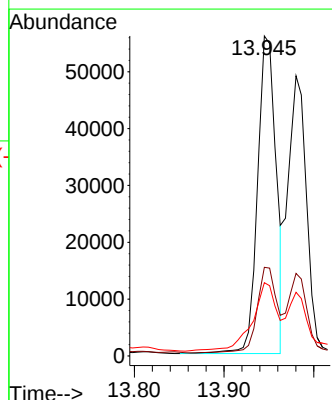
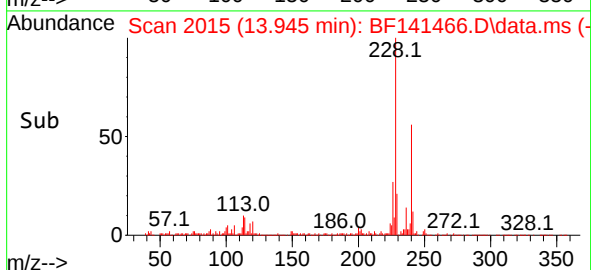
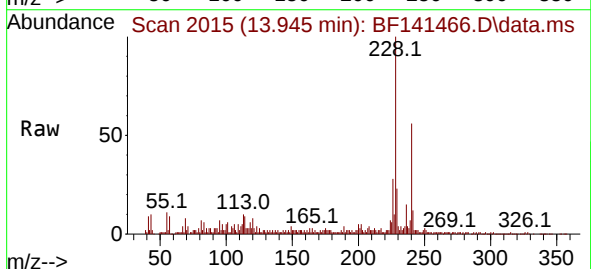
APPROVED

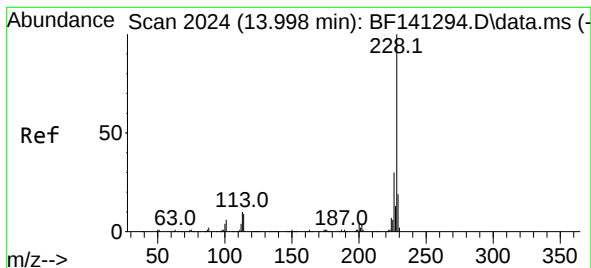
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#81
 Benzo(a)anthracene
 Concen: 9.259 ng
 RT: 13.945 min Scan# 2015
 Delta R.T. -0.018 min
 Lab File: BF141466.D
 Acq: 05 Feb 2025 23:41

Tgt Ion:228 Resp: 80672
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.4 32.2
 229 22.9 15.5 23.3





#83

Chrysene

Concen: 8.672 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.018 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Instrument :

BNA_F

ClientSampleId :

JPP-16.3-012725

Tgt Ion:228 Resp: 69248

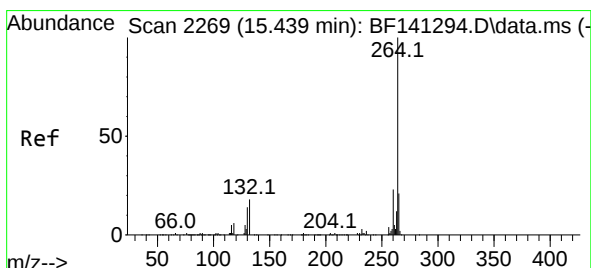
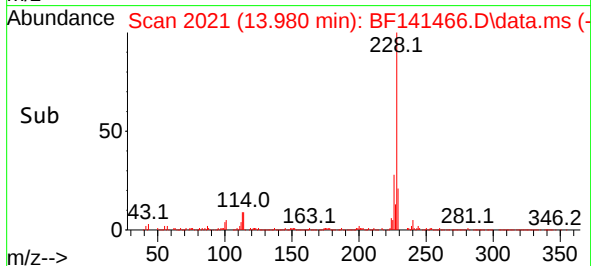
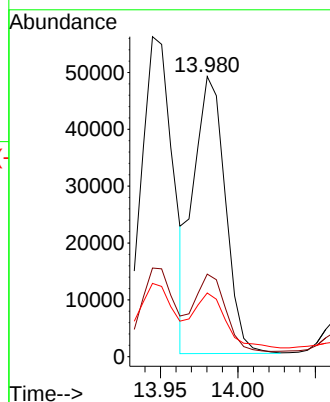
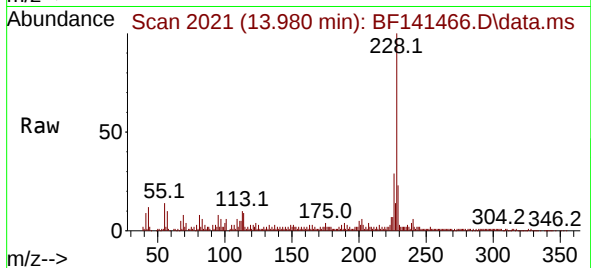
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	22.7	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2265

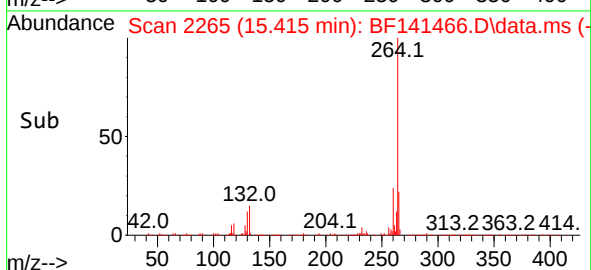
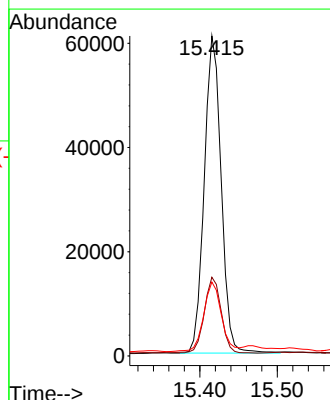
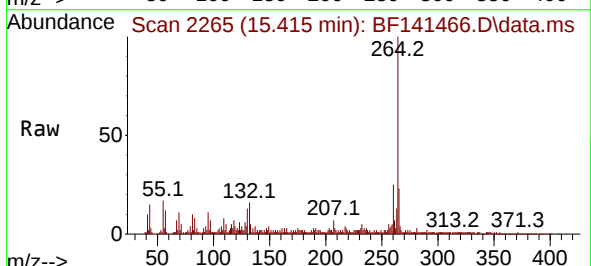
Delta R.T. -0.024 min

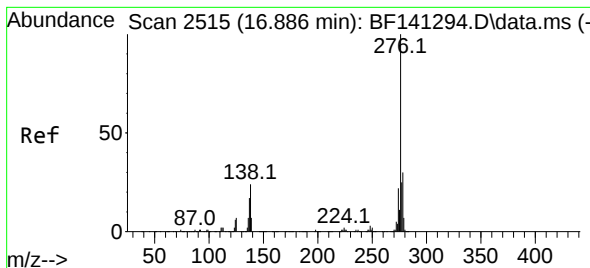
Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Tgt Ion:264 Resp: 92226

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	27.8
265	23.1	16.7	25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.559 ng

RT: 16.856 min Scan# 2194

Delta R.T. -0.041 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

Instrument :

BNA_F

ClientSampleId :

JPP-16.3-012725

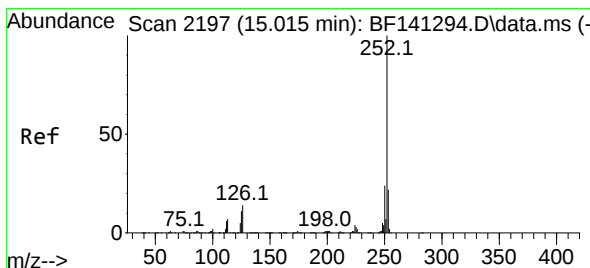
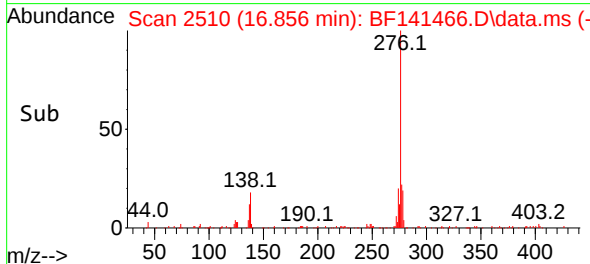
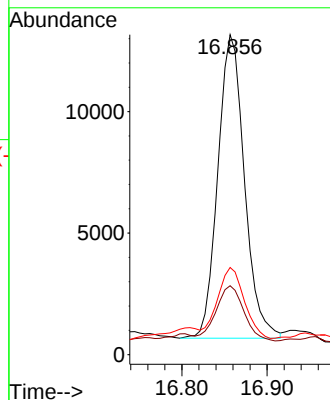
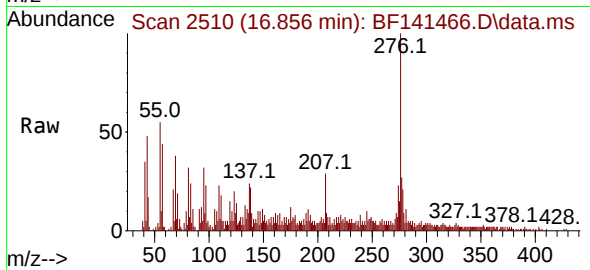
Tgt Ion:	276	Resp:	27139
Ion Ratio	Lower	Upper	
276	100		
138	19.2	21.7	32.5
277	24.5	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#88

Benzo(b)fluoranthene

Concen: 11.497 ng m

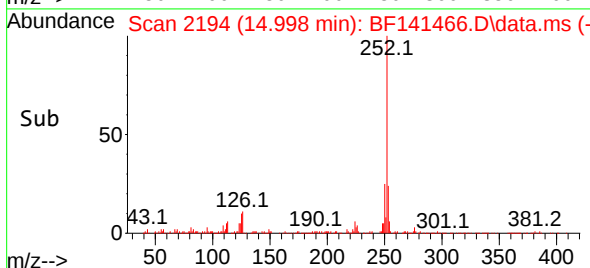
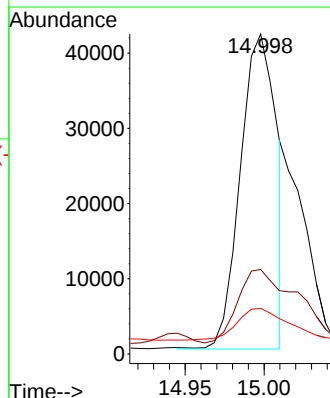
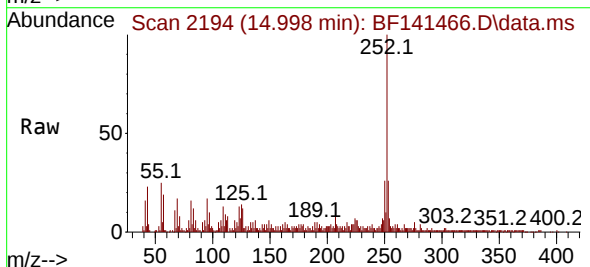
RT: 14.998 min Scan# 2194

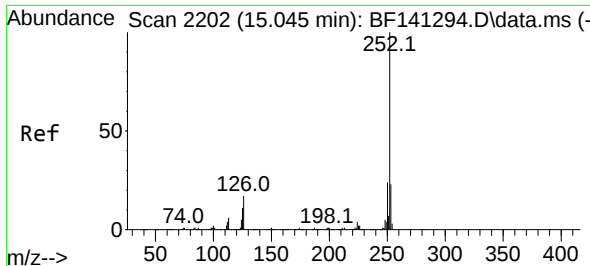
Delta R.T. -0.024 min

Lab File: BF141466.D

Acq: 05 Feb 2025 23:41

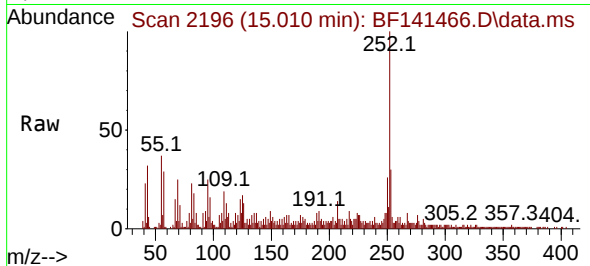
Tgt Ion:	252	Resp:	66696
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.4	26.2#
125	14.3	8.6	12.8#





#89
Benzo(k)fluoranthene
Concen: 5.189 ng m
RT: 15.010 min Scan# 2196
Delta R.T. -0.041 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

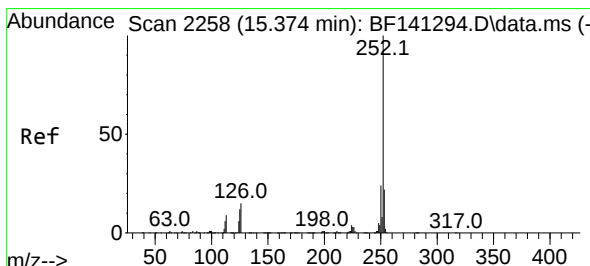
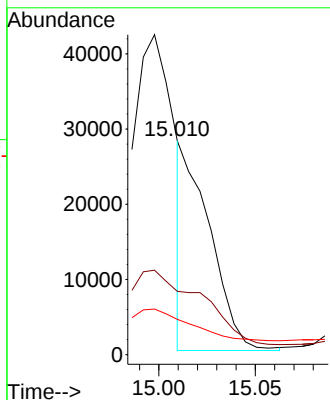
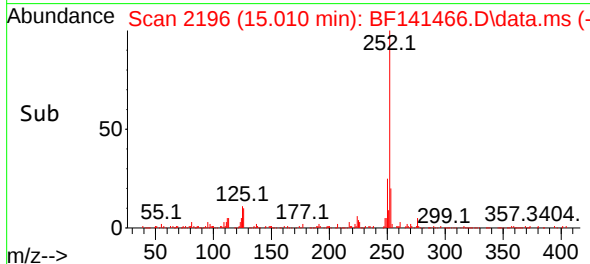
Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725



Tgt Ion:252 Resp: 26660
Ion Ratio Lower Upper
252 100
253 29.6 17.6 26.4
125 16.6 8.4 12.6

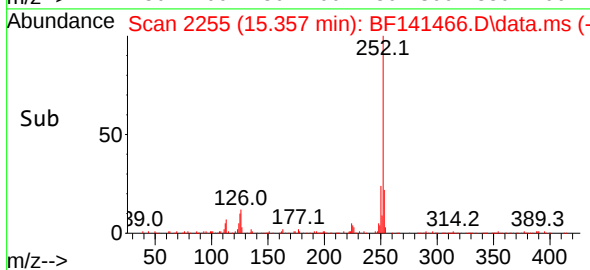
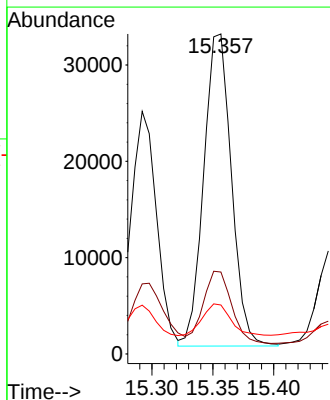
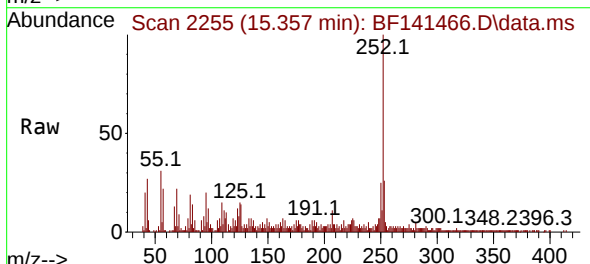
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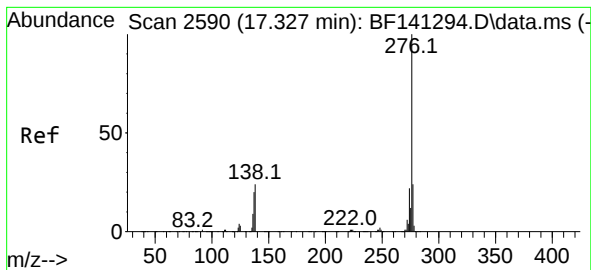
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#90
Benzo(a)pyrene
Concen: 10.481 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.024 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

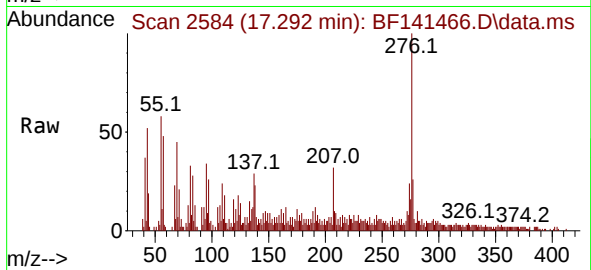
Tgt Ion:252 Resp: 51379
Ion Ratio Lower Upper
252 100
253 25.6 17.2 25.8
125 15.3 9.4 14.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.348 ng
 RT: 17.292 min Scan# 21
 Delta R.T. -0.053 min
 Lab File: BF141466.D
 Acq: 05 Feb 2025 23:41

Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.3-012725



Tgt Ion:	276	Resp:	2663
Ion Ratio	Lower	Upper	
276	100		
277	26.3	19.2	28.8
138	22.7	19.0	28.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

