

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141465.D
 Acq On : 05 Feb 2025 23:15
 Operator : RC/JU
 Sample : Q1207-15 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.2-012725

Manual Integrations
 APPROVED

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

Quant Time: Feb 06 01:51:00 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	63173	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	226729	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	107544	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	186178	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	135658	20.000	ng	-0.02
86) Perylene-d12	15.415	264	100723	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	209066	50.806	ng	0.00
7) Phenol-d6	6.428	99	248752	47.519	ng	-0.01
23) Nitrobenzene-d5	7.351	82	159016	36.973	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	48453	49.144	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	274726	39.319	ng	-0.02
79) Terphenyl-d14	12.904	244	312760	35.555	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	83232	8.317	ng	99
72) Anthracene	11.386	178	24878	2.537	ng	98
75) Fluoranthene	12.527	202	160391	16.231	ng	97
78) Pyrene	12.757	202	160295	12.310	ng	99
81) Benzo(a)anthracene	13.945	228	71505	7.638	ng	96
83) Chrysene	13.980	228	50540	5.891	ng	97
84) Bis(2-ethylhexyl)phtha...	13.939	149	11573	2.005	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.856	276	22270	3.426	ng	# 90
88) Benzo(b)fluoranthene	14.998	252	51439m	8.119	ng	
89) Benzo(k)fluoranthene	15.009	252	24214m	4.314	ng	
90) Benzo(a)pyrene	15.357	252	42158	7.874	ng	92
92) Benzo(g,h,i)perylene	17.292	276	22451	4.128	ng	# 93

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

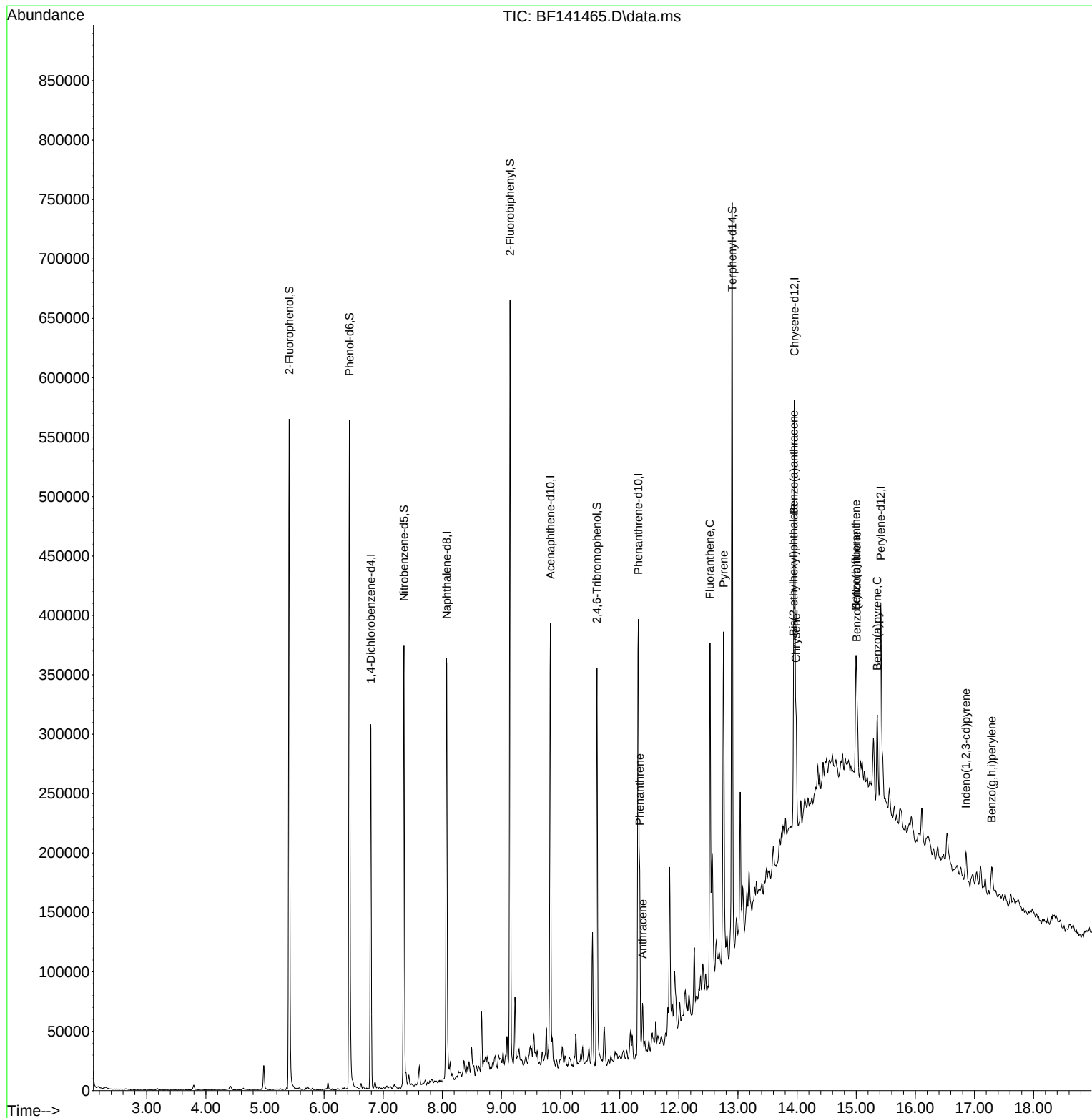
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
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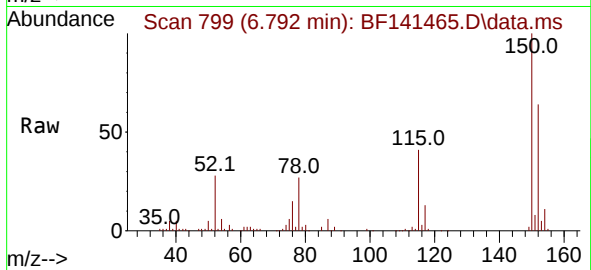
Quant Time: Feb 06 01:51:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

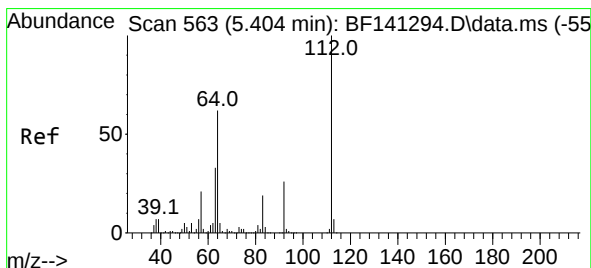
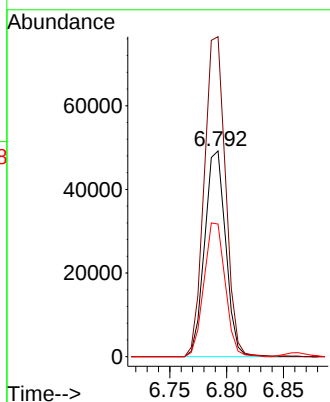
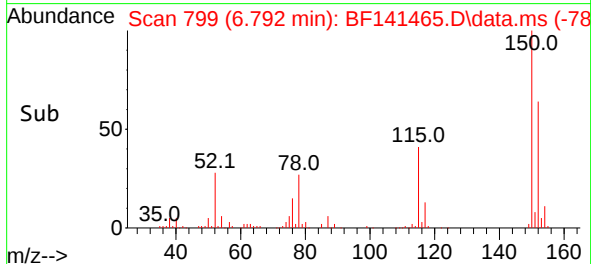
Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725



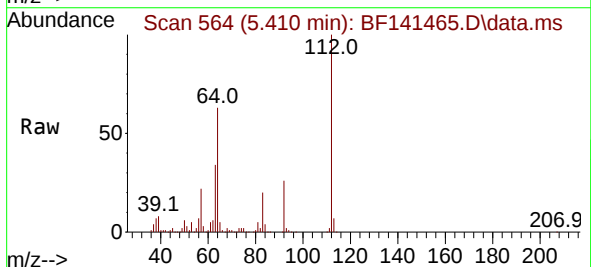
Tgt Ion:152 Resp: 6317
Ion Ratio Lower Upper
152 100
150 155.5 125.9 188.9
115 64.5 49.7 74.5

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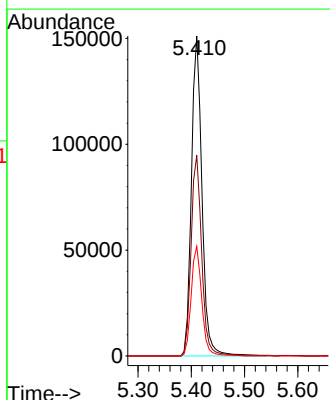
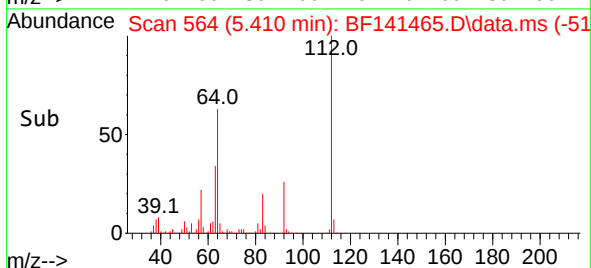
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

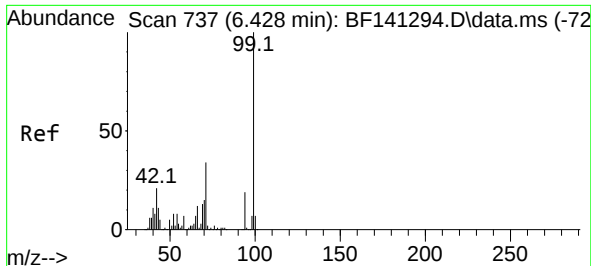


#5
2-Fluorophenol
Concen: 50.806 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15



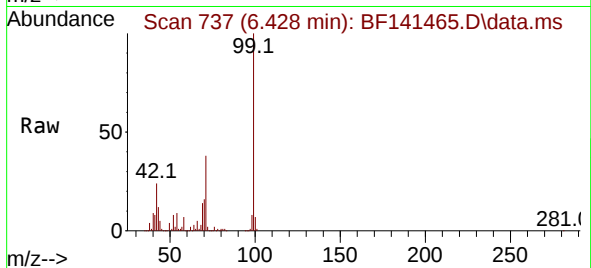
Tgt Ion:112 Resp: 209066
Ion Ratio Lower Upper
112 100
64 62.7 49.8 74.8
63 34.3 26.1 39.1





#7
Phenol-d6
Concen: 47.519 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

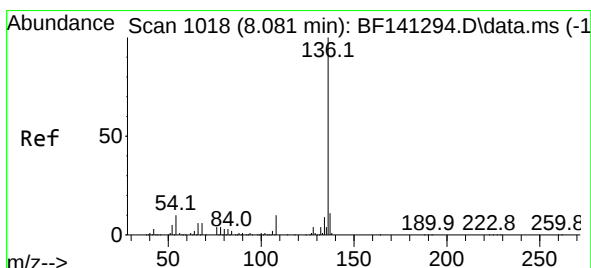
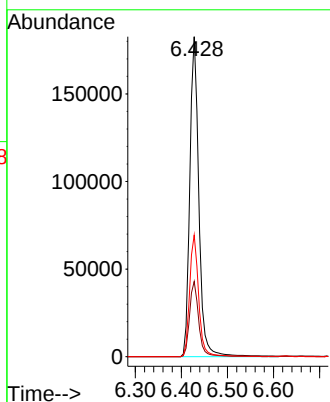
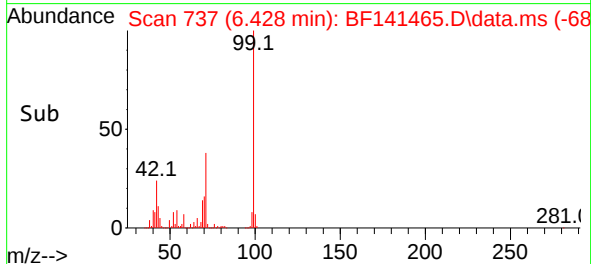
Instrument :
BNA_F
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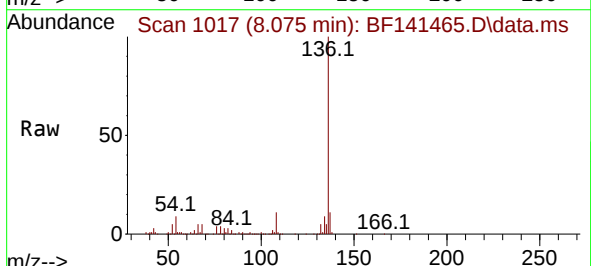
Tgt Ion: 99 Resp: 248752
Ion Ratio Lower Upper
99 100
42 23.5 17.1 25.7
71 38.0 26.9 40.3

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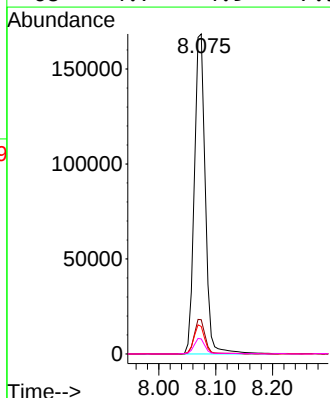
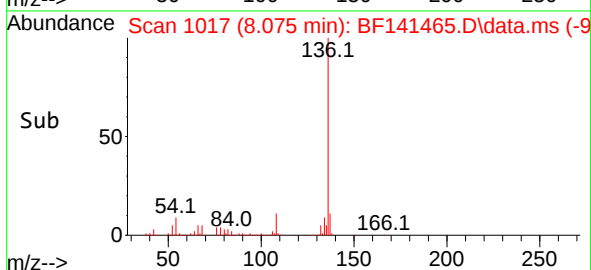
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

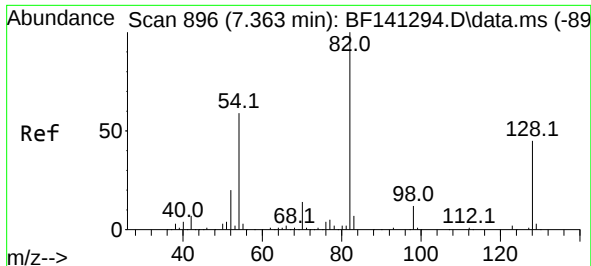


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15



Tgt Ion:136 Resp: 226729
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.6 7.8 11.8
68 4.7 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 36.973 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

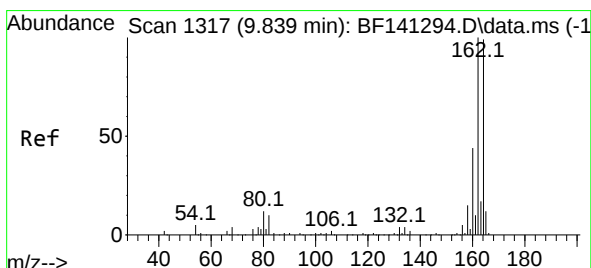
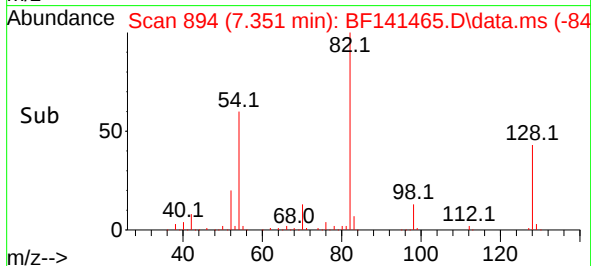
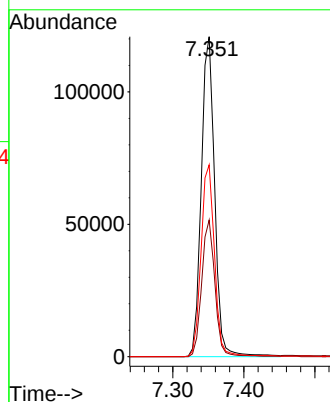
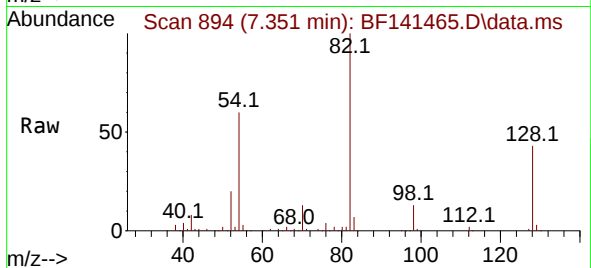
JPP-16.2-012725

Tgt Ion: 82 Resp: 159010
 Ion Ratio Lower Upper
 82 100
 128 42.7 35.7 53.5
 54 60.0 47.1 70.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

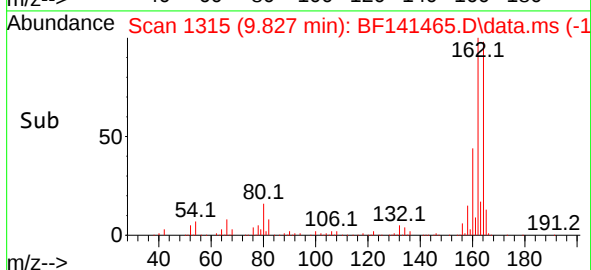
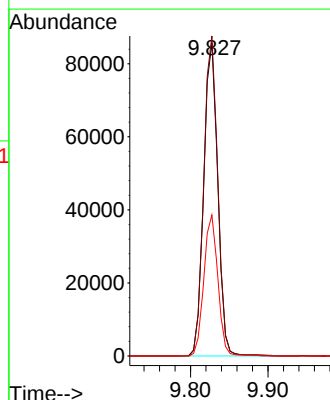
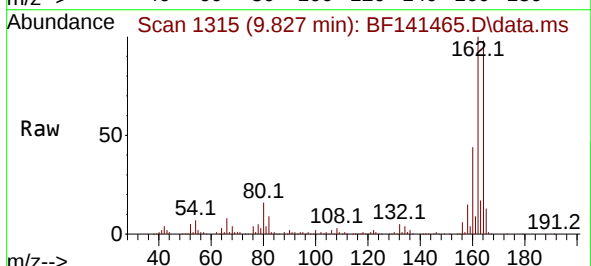
RT: 9.827 min Scan# 1315

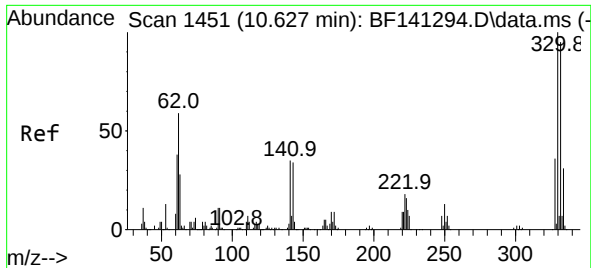
Delta R.T. -0.012 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

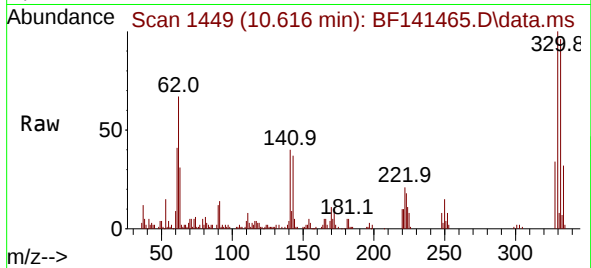
Tgt Ion:164 Resp: 107544
 Ion Ratio Lower Upper
 164 100
 162 102.2 80.6 121.0
 160 45.0 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 49.144 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

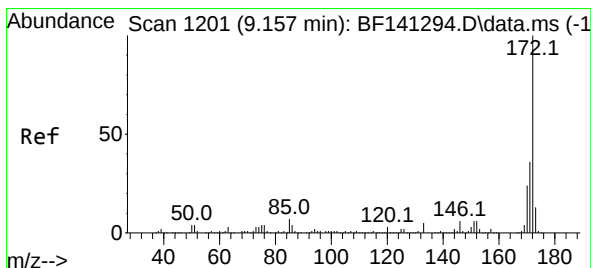
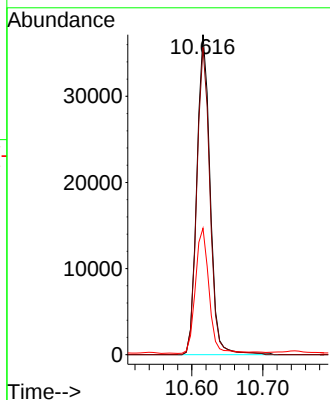
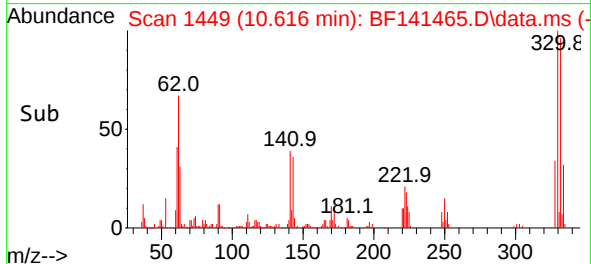
Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725



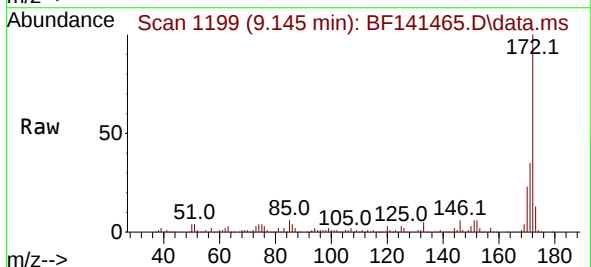
Tgt Ion: 330 Resp: 4845
Ion Ratio Lower Upper
330 100
332 95.0 76.1 114.1
141 39.8 28.8 43.2

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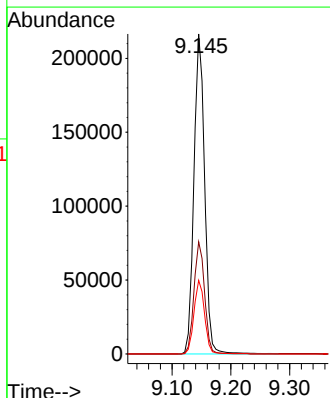
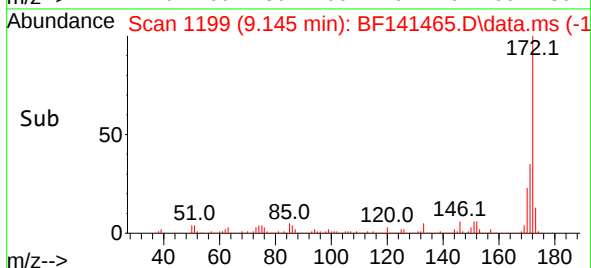
Reviewed By : Yogesh Patel 02/06/2025
Supervised By : mohammad ahmed 02/06/2025

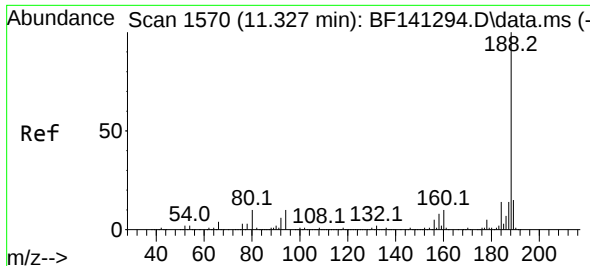


#45
2-Fluorobiphenyl
Concen: 39.319 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15



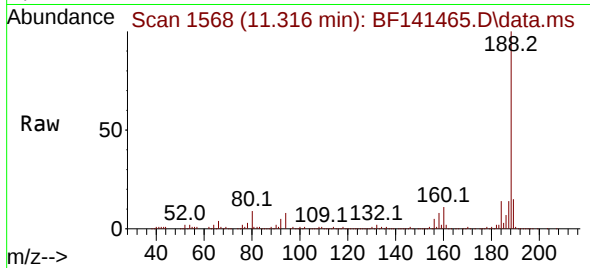
Tgt Ion: 172 Resp: 274726
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.0 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

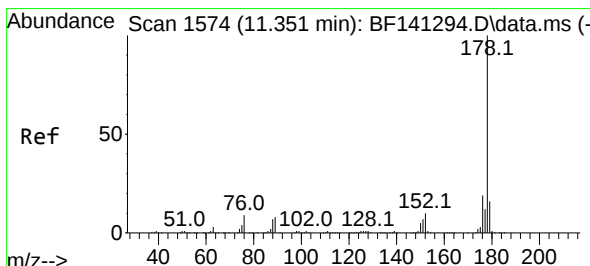
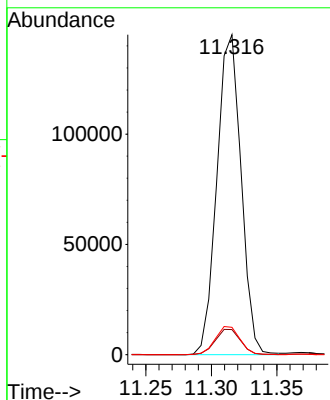
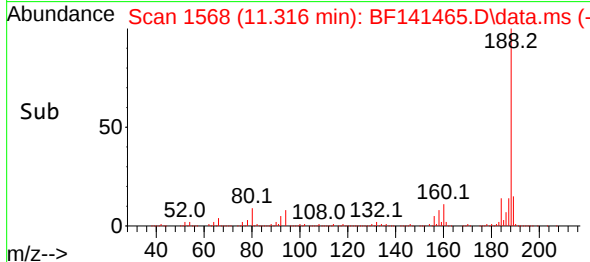
Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725



Tgt Ion:188 Resp: 186178
Ion Ratio Lower Upper
188 100
94 7.9 7.8 11.6
80 8.6 8.2 12.4

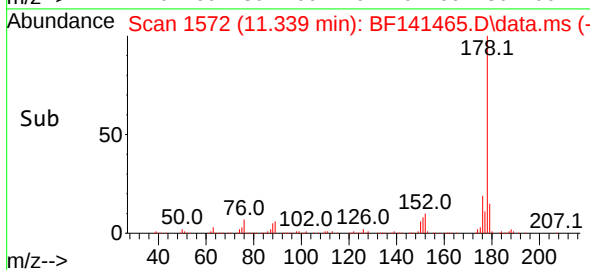
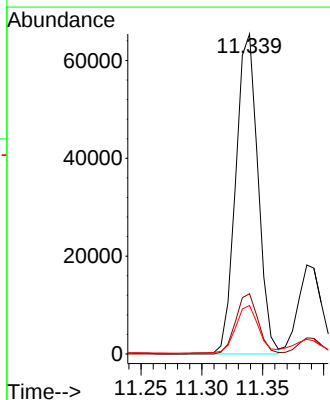
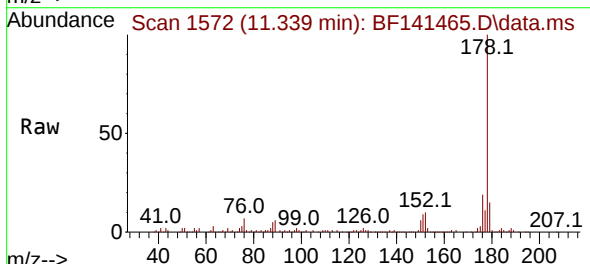
Manual Integrations
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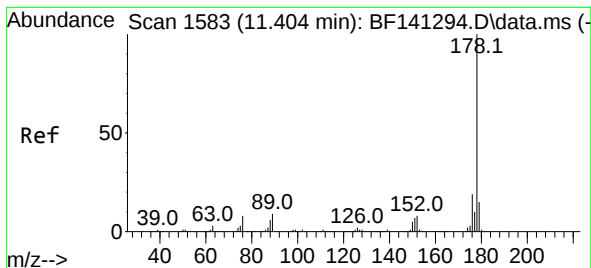
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#71
Phenanthrene
Concen: 8.317 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:178 Resp: 83232
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.2 12.5 18.7





#72

Anthracene

Concen: 2.537 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.018 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

JPP-16.2-012725

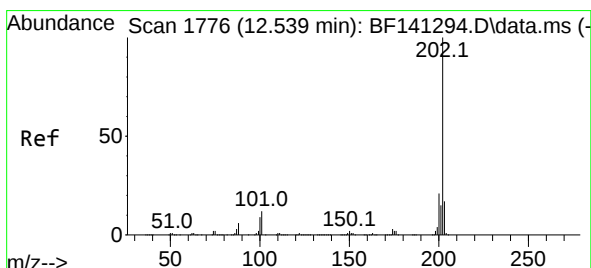
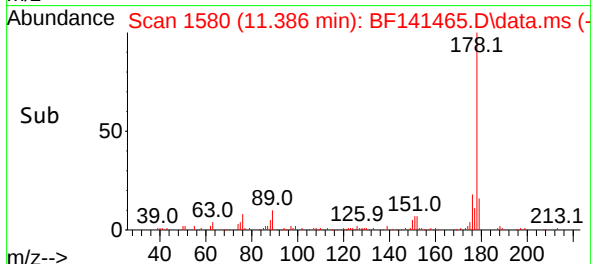
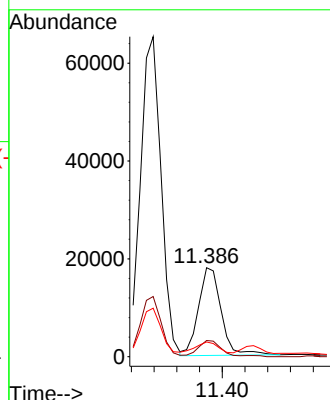
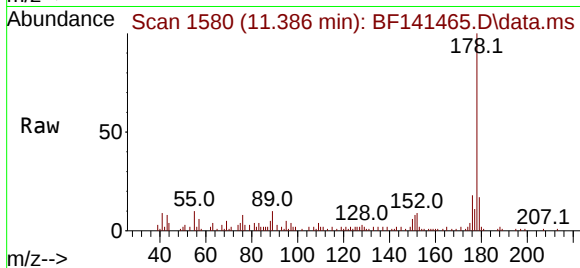
Tgt Ion:178 Resp: 24878
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.0 22.6
 179 16.5 12.3 18.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#75

Fluoranthene

Concen: 16.231 ng

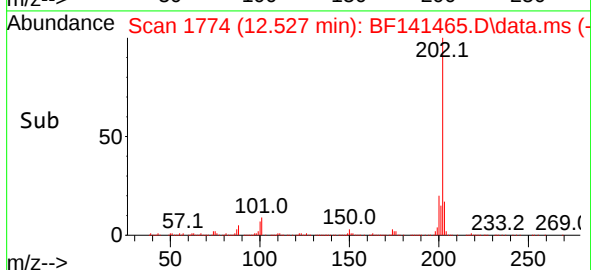
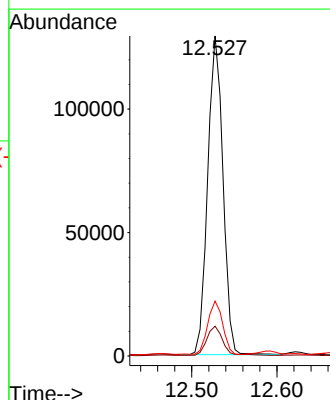
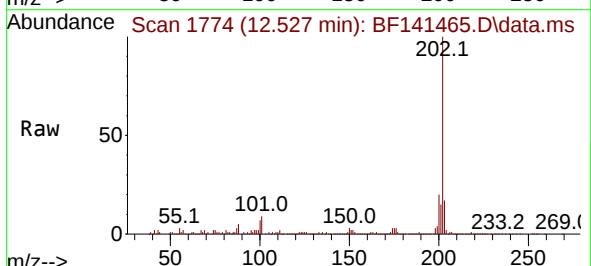
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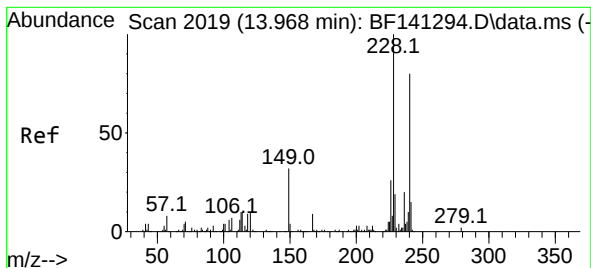
Delta R.T. -0.012 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

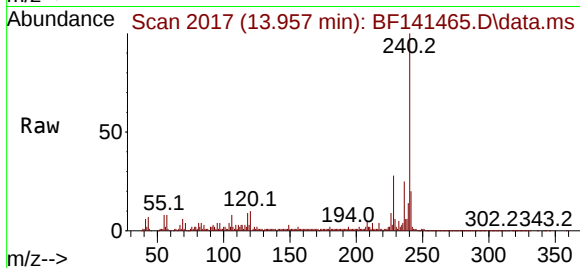
Tgt Ion:202 Resp: 160391
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 31.7
 203 17.2 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

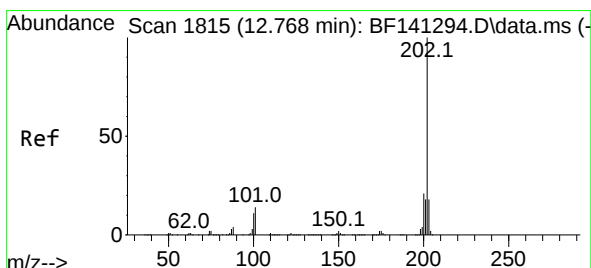
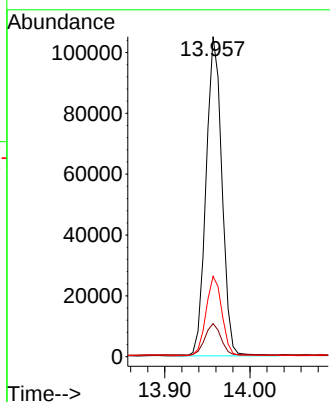
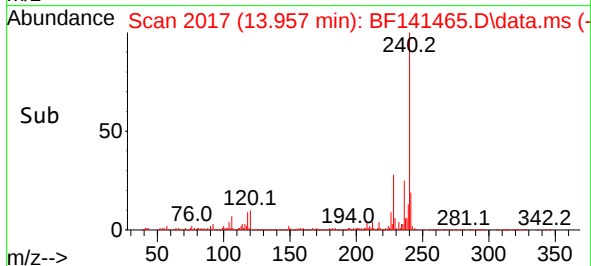
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:240 Resp: 135658
Ion Ratio Lower Upper
240 100
120 10.4 10.0 15.0
236 25.1 19.7 29.5

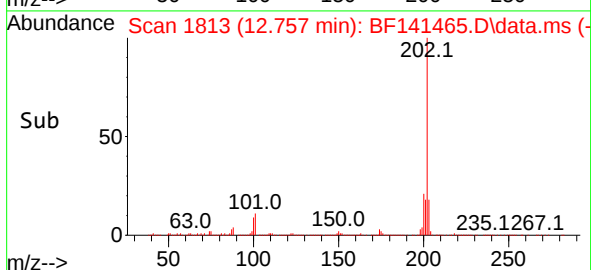
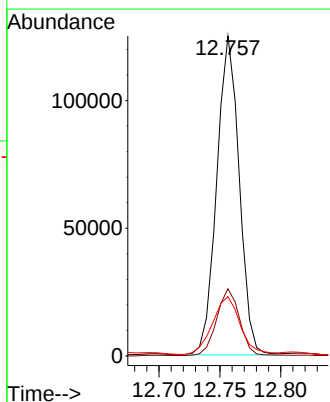
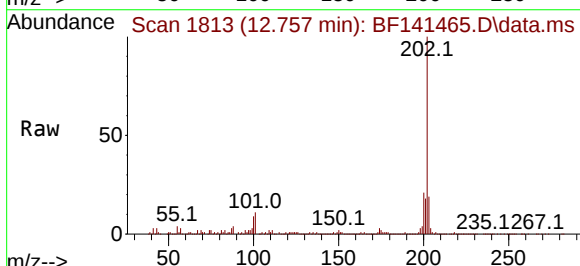
Manual Integrations
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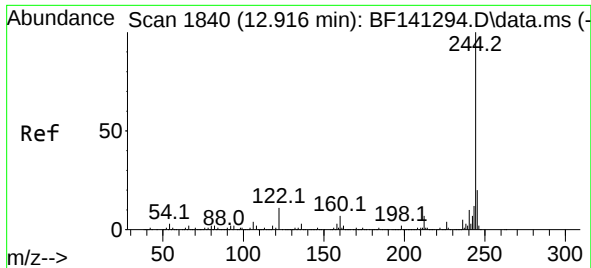
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#78
Pyrene
Concen: 12.310 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:202 Resp: 160295
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.5 14.3 21.5





#79
 Terphenyl-d14
 Concen: 35.555 ng
 RT: 12.904 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141465.D
 Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

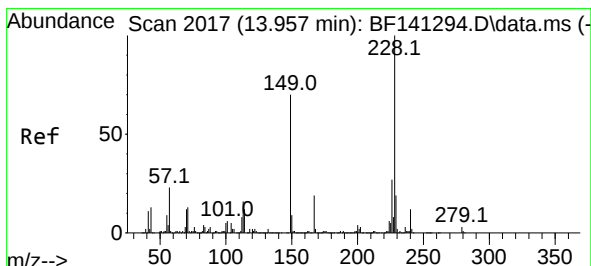
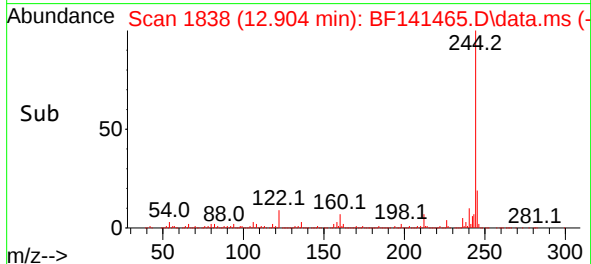
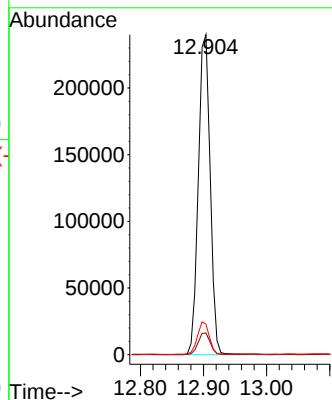
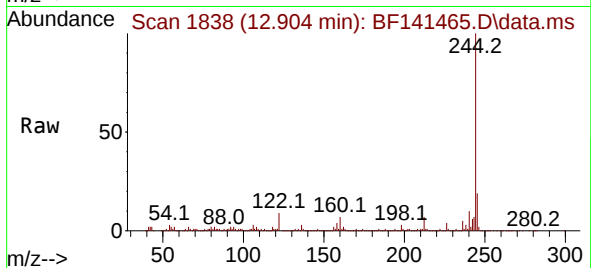
JPP-16.2-012725

Tgt Ion:244 Resp: 312760
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 9.5 8.8 13.2

Manual Integrations

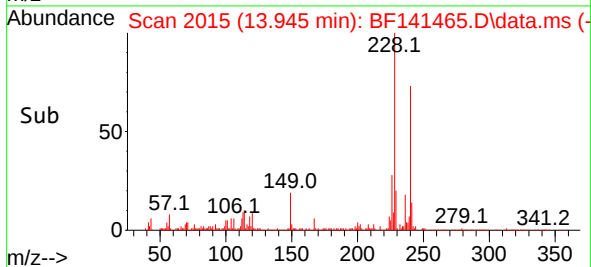
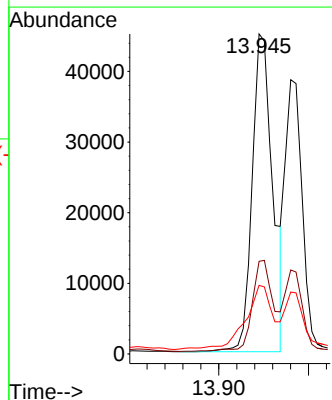
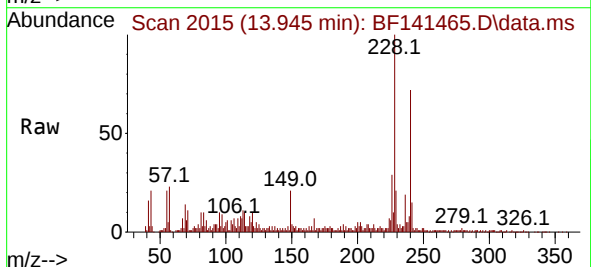
APPROVED

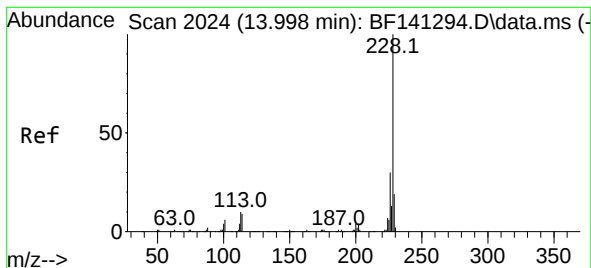
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#81
 Benzo(a)anthracene
 Concen: 7.638 ng
 RT: 13.945 min Scan# 2015
 Delta R.T. -0.018 min
 Lab File: BF141465.D
 Acq: 05 Feb 2025 23:15

Tgt Ion:228 Resp: 71505
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.4 32.2
 229 21.5 15.5 23.3





#83

Chrysene

Concen: 5.891 ng

RT: 13.980 min Scan# 2014

Delta R.T. -0.018 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

JPP-16.2-012725

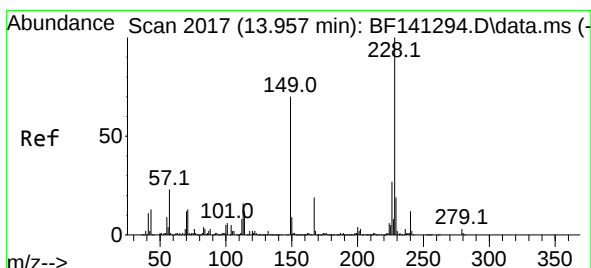
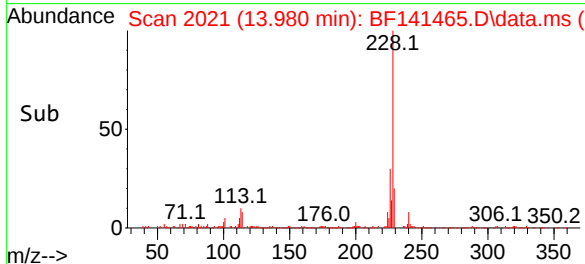
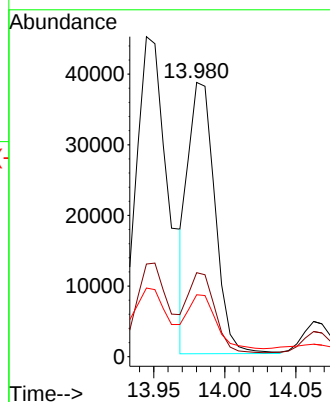
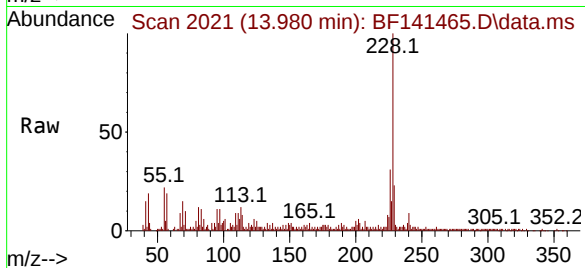
Tgt Ion:	228	Resp:	50540
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.1	36.1
229	22.6	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.005 ng

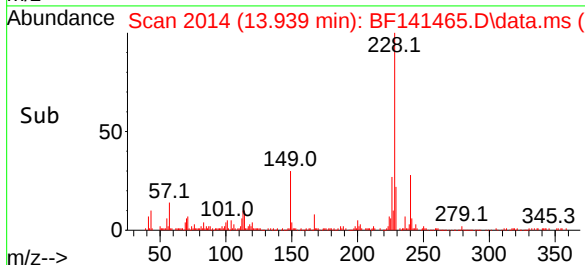
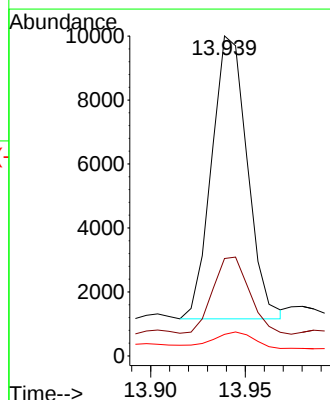
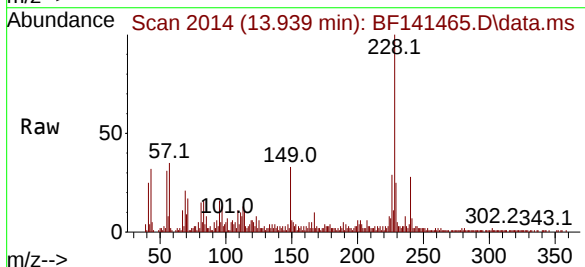
RT: 13.939 min Scan# 2014

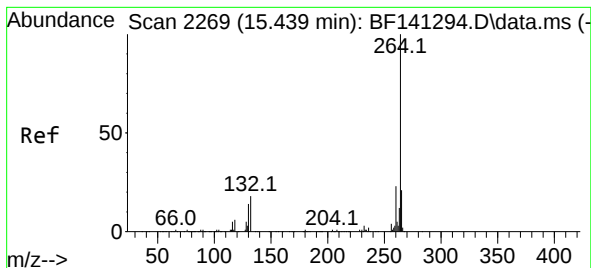
Delta R.T. -0.018 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Tgt Ion:	149	Resp:	11573
Ion Ratio	Lower	Upper	
149	100		
167	30.4	21.8	32.8
279	6.7	3.3	4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

JPP-16.2-012725

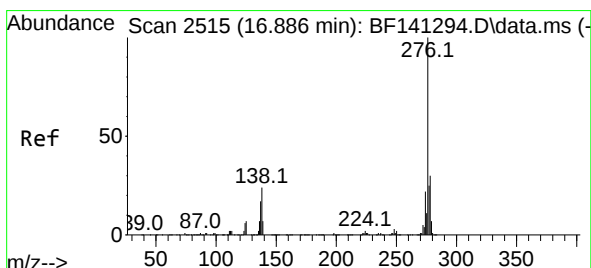
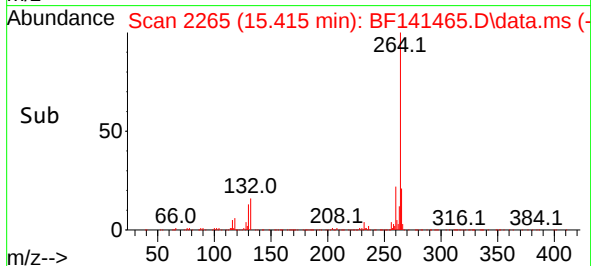
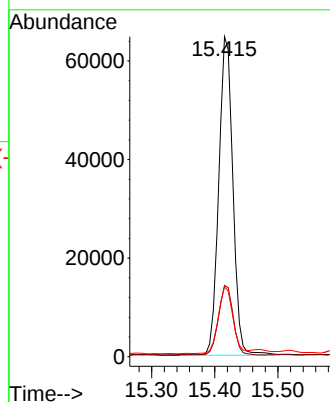
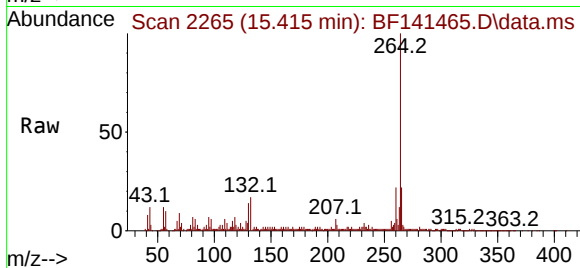
Tgt Ion:264 Resp: 100723
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.6 27.8
 265 21.9 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.426 ng

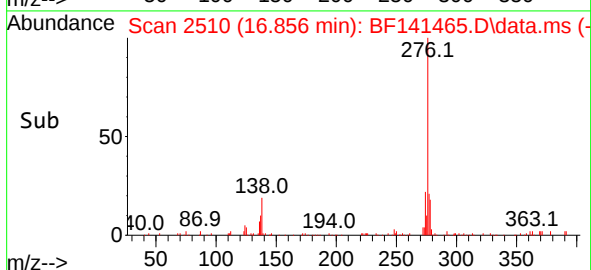
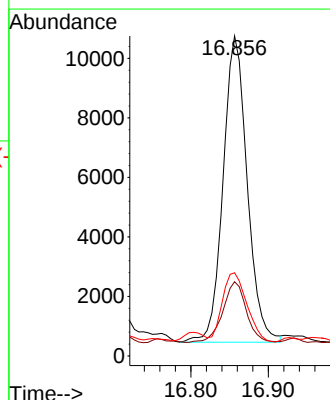
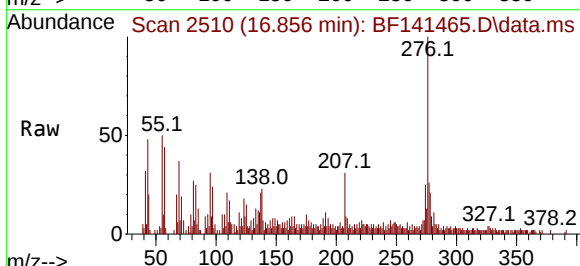
RT: 16.856 min Scan# 2510

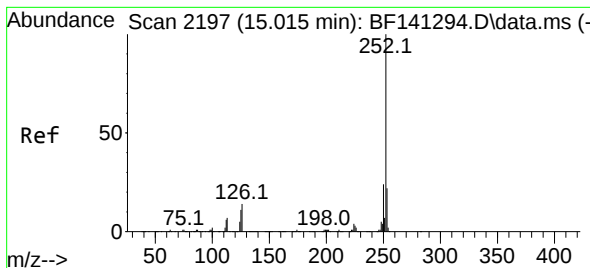
Delta R.T. -0.041 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Tgt Ion:276 Resp: 22270
 Ion Ratio Lower Upper
 276 100
 138 19.4 21.7 32.5#
 277 23.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 8.119 ng m

RT: 14.998 min Scan# 2196

Delta R.T. -0.024 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

Instrument :

BNA_F

ClientSampleId :

JPP-16.2-012725

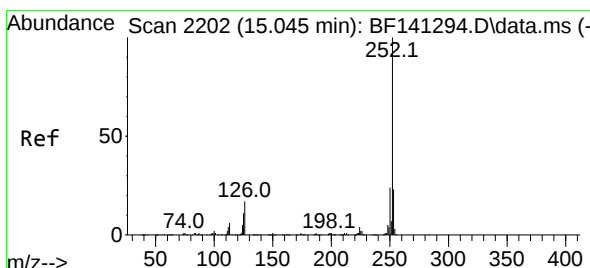
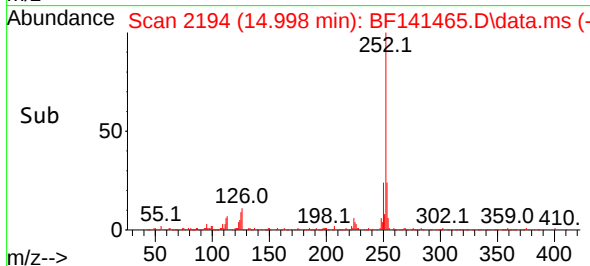
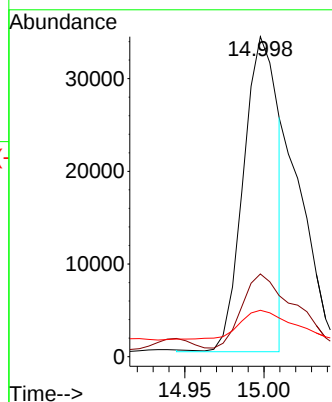
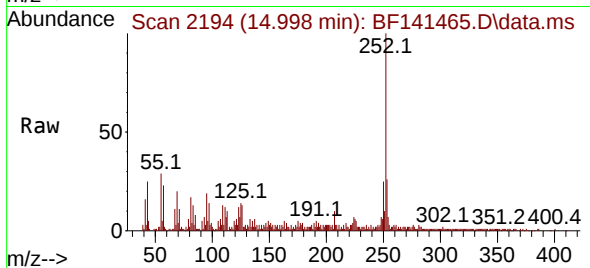
Tgt Ion:252 Resp: 51439
 Ion Ratio Lower Upper
 252 100
 253 25.8 17.4 26.2
 125 14.5 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#89

Benzo(k)fluoranthene

Concen: 4.314 ng m

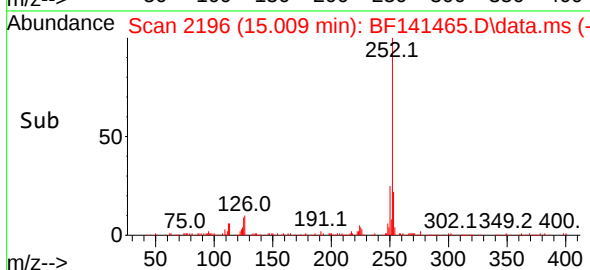
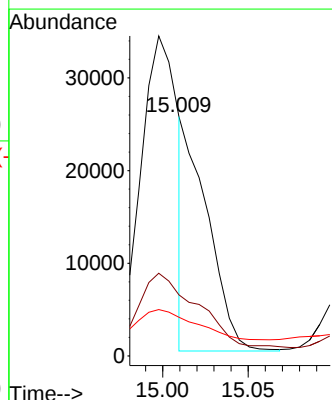
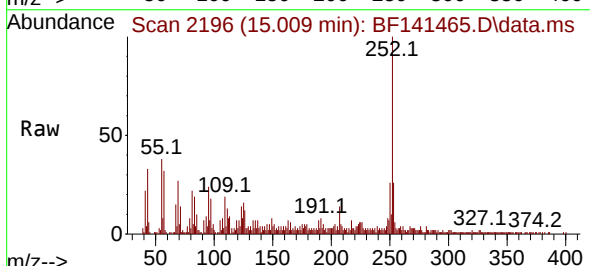
RT: 15.009 min Scan# 2196

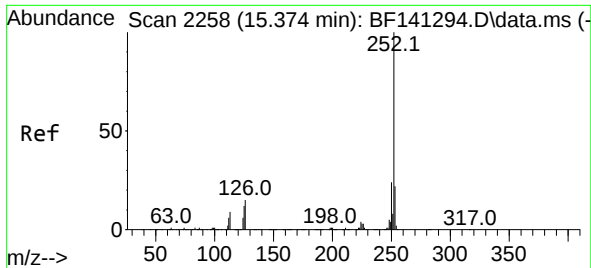
Delta R.T. -0.041 min

Lab File: BF141465.D

Acq: 05 Feb 2025 23:15

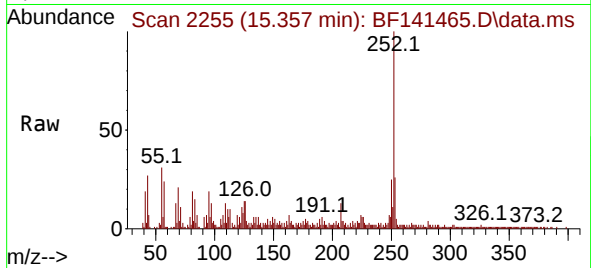
Tgt Ion:252 Resp: 24214
 Ion Ratio Lower Upper
 252 100
 253 25.5 17.6 26.4
 125 16.1 8.4 12.6





#90
Benzo(a)pyrene
Concen: 7.874 ng
RT: 15.357 min Scan# 2158
Delta R.T. -0.024 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

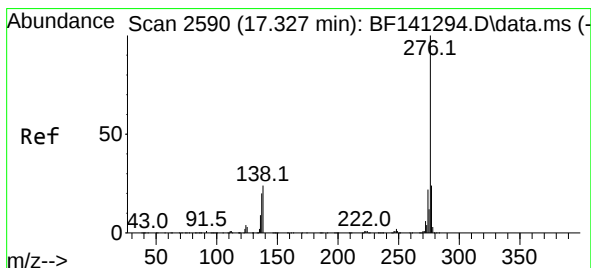
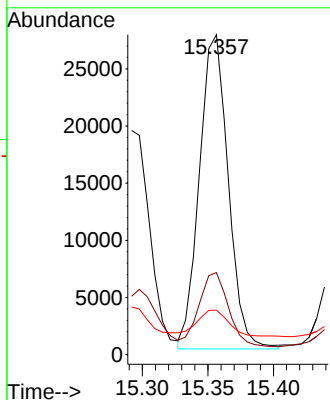
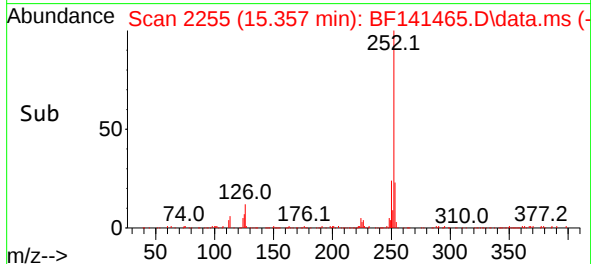
Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725



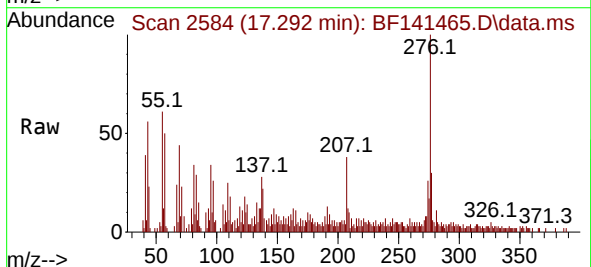
Tgt Ion:252 Resp: 42158
Ion Ratio Lower Upper
252 100
253 25.6 17.2 25.8
125 13.9 9.4 14.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.128 ng
RT: 17.292 min Scan# 2584
Delta R.T. -0.053 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15



Tgt Ion:276 Resp: 22451
Ion Ratio Lower Upper
276 100
277 29.6 19.2 28.8#
138 22.3 19.0 28.4

