

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142905.D
 Acq On : 27 Jun 2025 21:07
 Operator : RC/JU
 Sample : Q2418-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VAC-TRUCK-4074

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/30/2025
 Supervised By :Jagrut Upadhyay 06/30/2025

Quant Time: Jun 27 22:41:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	55175	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	188221	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	64489	20.000	ng	0.03
64) Phenanthrene-d10	11.492	188	73184m	20.000	ng	0.08
76) Chrysene-d12	14.115	240	105553	20.000	ng	# 0.06
86) Perylene-d12	15.562	264	66896	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	328198	99.035	ng	0.00
7) Phenol-d6	6.504	99	286345	73.237	ng	0.00
23) Nitrobenzene-d5	7.439	82	313070	91.234	ng	0.00
42) 2,4,6-Tribromophenol	10.774	330	120114	180.994	ng	0.06
45) 2-Fluorobiphenyl	9.245	172	550374	112.114	ng	0.00
79) Terphenyl-d14	13.092	244	451924	59.157	ng	0.09
Target Compounds						
30) 1,2,4-Trichlorobenzene	8.104	180	7534	2.578	ng	Qvalue 97

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

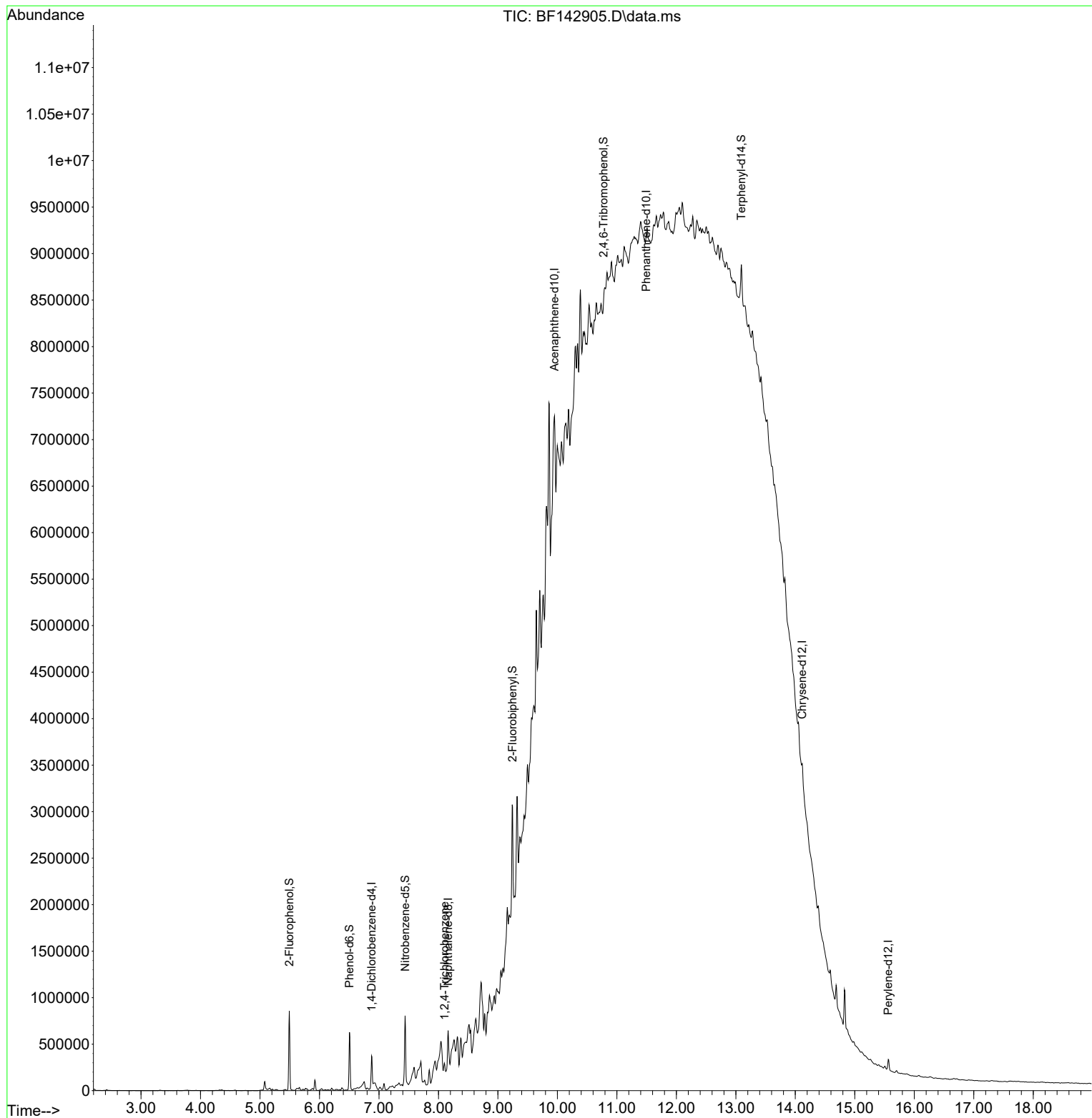
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
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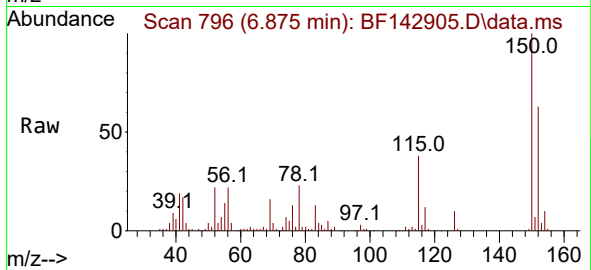
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142905.D
Acq: 27 Jun 2025 21:07

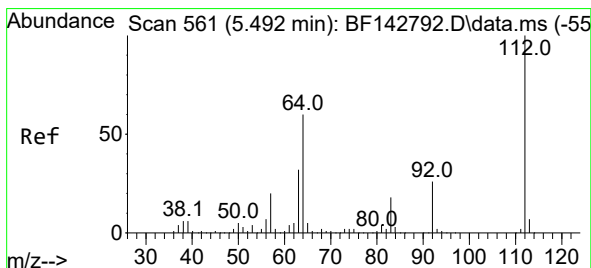
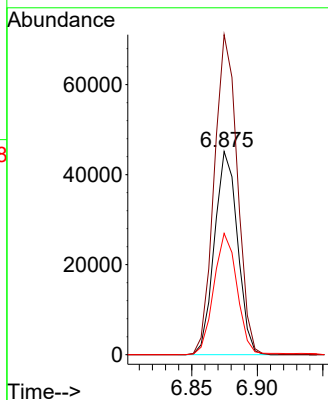
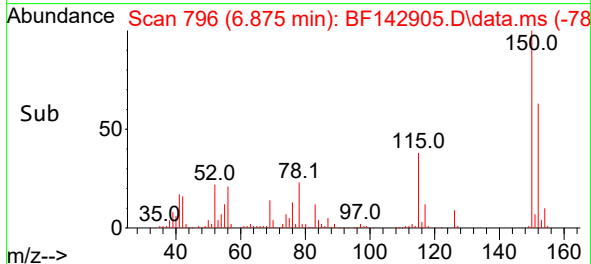
Instrument :
BNA_F
ClientSampleId :
VAC-TRUCK-4074



Tgt Ion:152 Resp: 5517
Ion Ratio Lower Upper
152 100
150 157.5 127.2 190.8
115 59.7 46.6 69.8

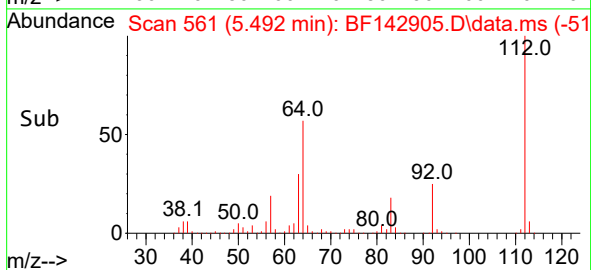
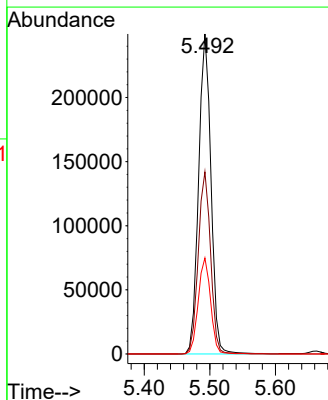
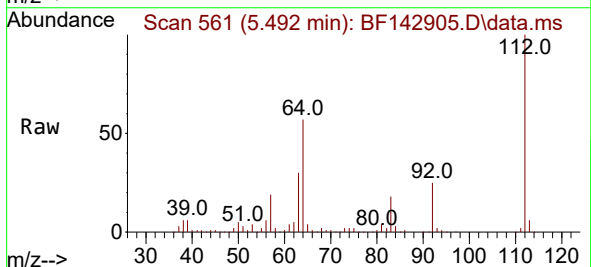
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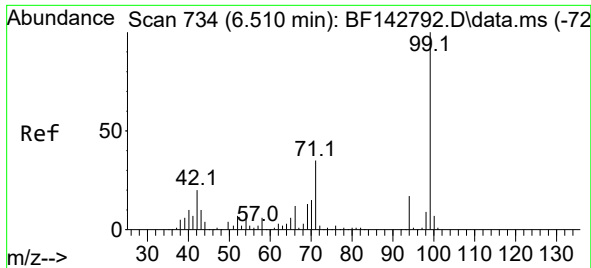
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025



#5
2-Fluorophenol
Concen: 99.035 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142905.D
Acq: 27 Jun 2025 21:07

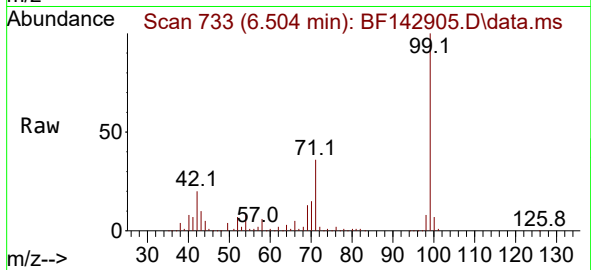
Tgt Ion:112 Resp: 328198
Ion Ratio Lower Upper
112 100
64 56.9 48.2 72.2
63 30.0 25.7 38.5





#7
Phenol-d6
Concen: 73.237 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142905.D
Acq: 27 Jun 2025 21:07

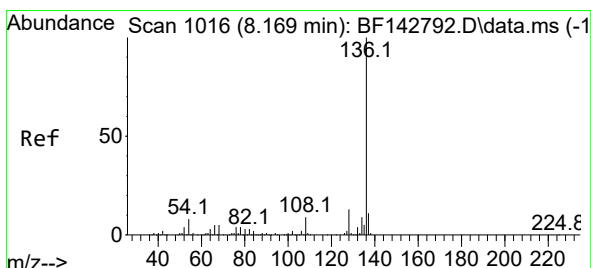
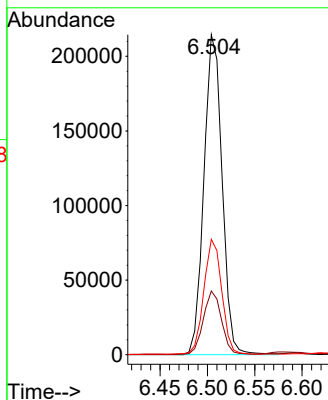
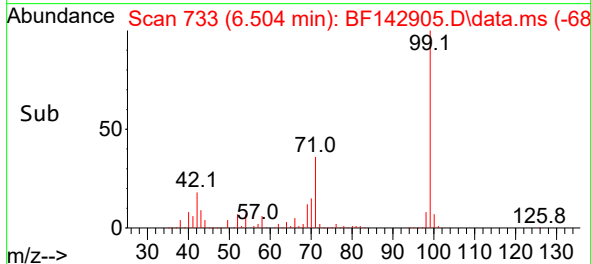
Instrument :
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VAC-TRUCK-4074



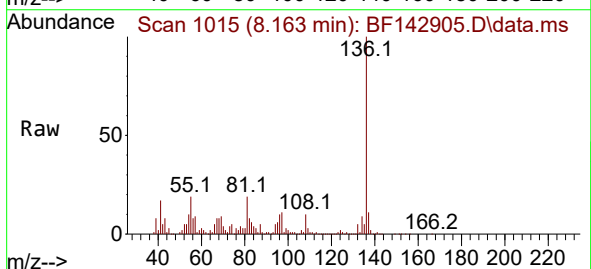
Tgt Ion: 99 Resp: 28634
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 36.0 27.8 41.8

Manual Integrations
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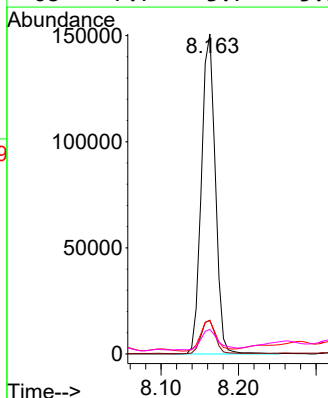
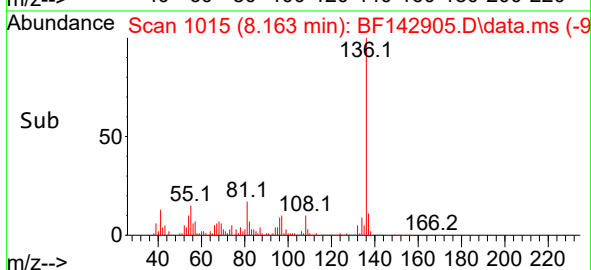
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025

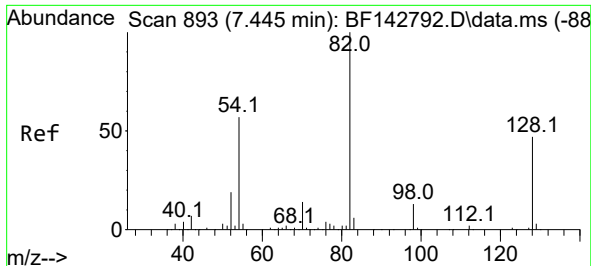


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142905.D
Acq: 27 Jun 2025 21:07



Tgt Ion:136 Resp: 188221
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 10.4 6.3 9.5#
68 7.7 3.7 5.5#





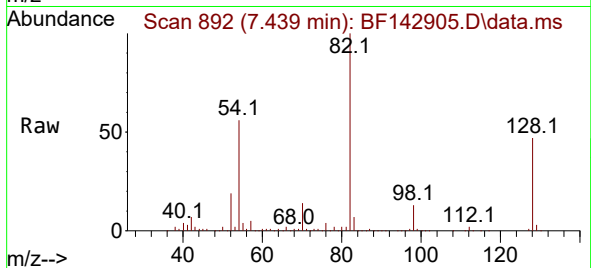
#23
Nitrobenzene-d5
Concen: 91.234 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF142905.D
Acq: 27 Jun 2025 21:07

Instrument :

BNA_F

ClientSampleId :

VAC-TRUCK-4074

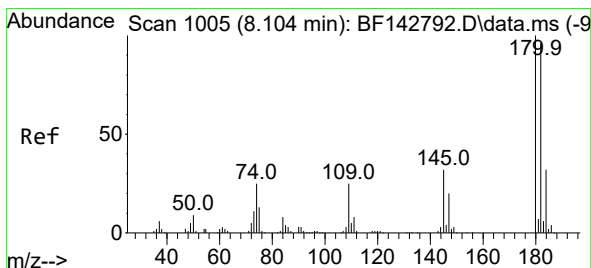
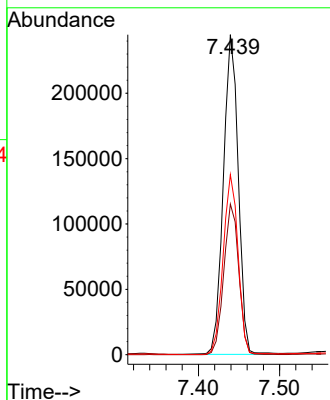
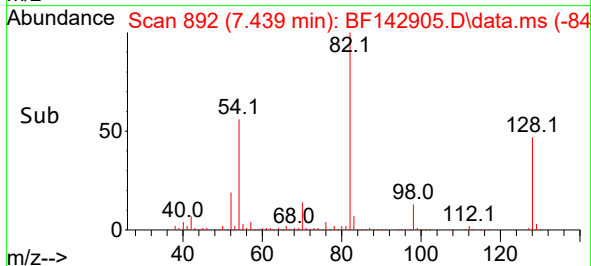


Tgt Ion: 82 Resp: 313070
Ion Ratio Lower Upper
82 100
128 47.1 37.7 56.5
54 56.3 45.7 68.5

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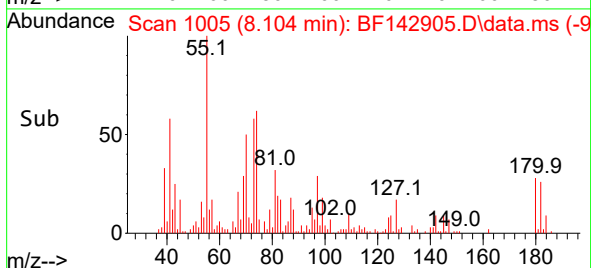
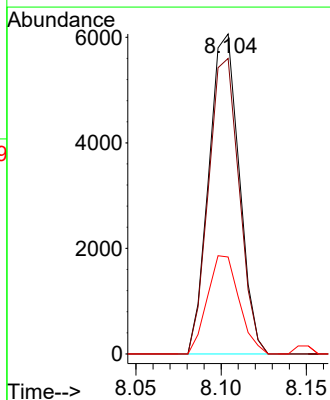
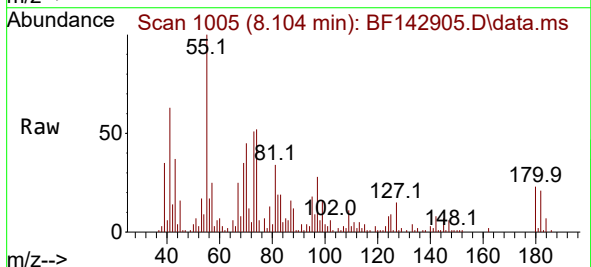
APPROVED

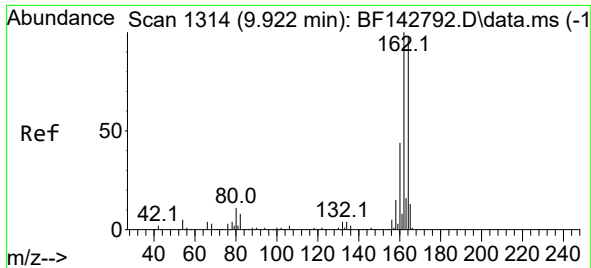
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025



#30
1,2,4-Trichlorobenzene
Concen: 2.578 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BF142905.D
Acq: 27 Jun 2025 21:07

Tgt Ion:180 Resp: 7534
Ion Ratio Lower Upper
180 100
182 92.3 76.4 114.6
145 30.3 25.8 38.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.951 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF142905.D

Acq: 27 Jun 2025 21:07

Instrument :

BNA_F

ClientSampleId :

VAC-TRUCK-4074

Tgt Ion:164 Resp: 64489

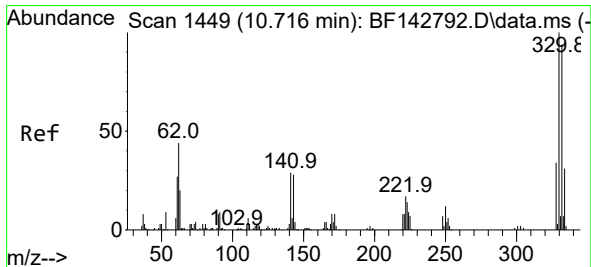
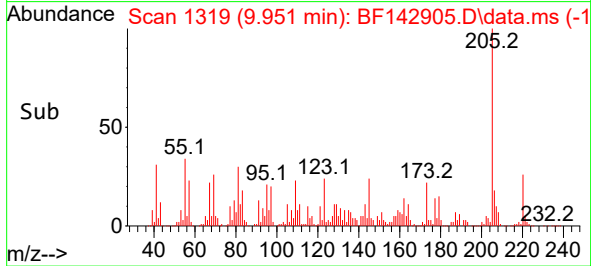
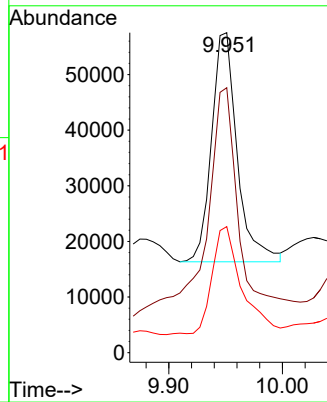
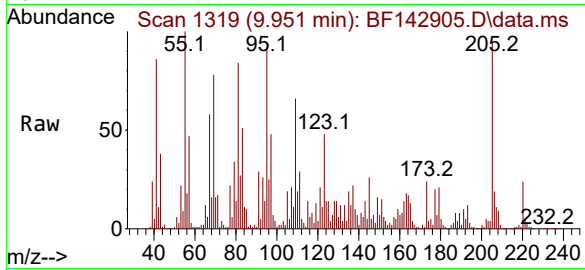
Ion	Ratio	Lower	Upper
164	100		
162	82.8	81.8	122.8
160	39.4	36.0	54.0

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#42

2,4,6-Tribromophenol

Concen: 180.994 ng

RT: 10.774 min Scan# 1459

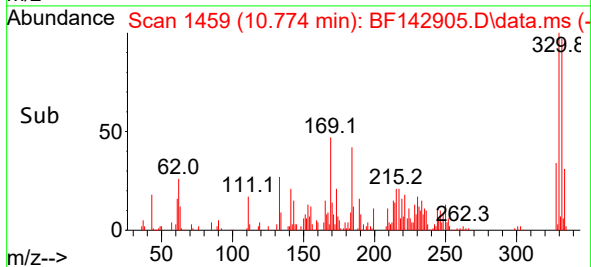
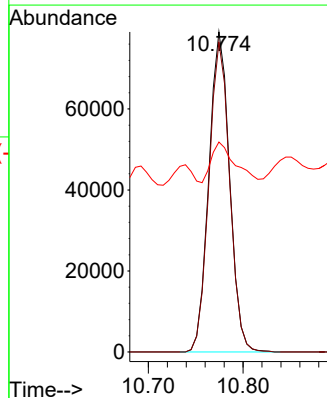
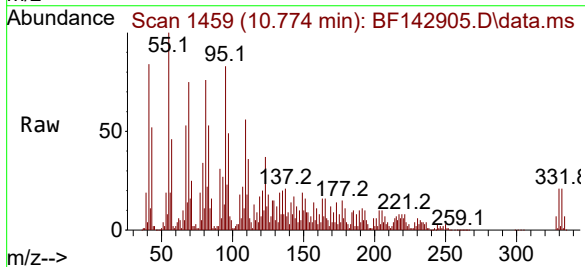
Delta R.T. 0.058 min

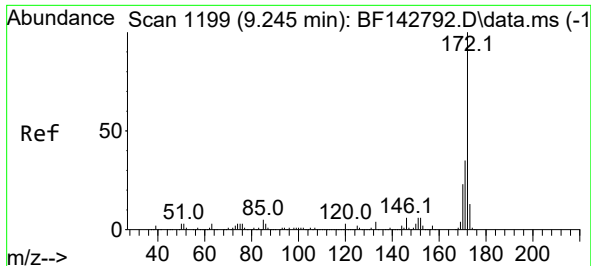
Lab File: BF142905.D

Acq: 27 Jun 2025 21:07

Tgt Ion:330 Resp: 120114

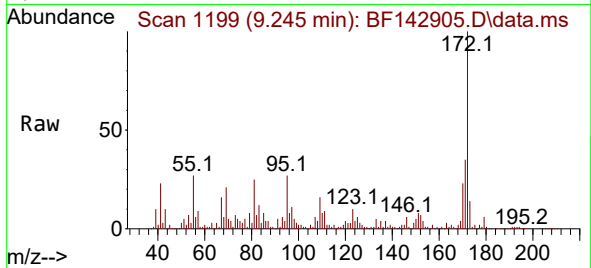
Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.0	112.6
141	14.8	25.3	37.9





#45
2-Fluorobiphenyl
Concen: 112.114 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF142905.D
Acq: 27 Jun 2025 21:07

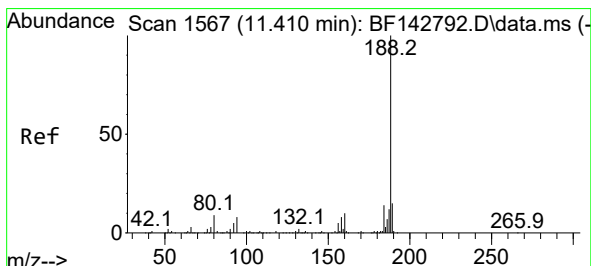
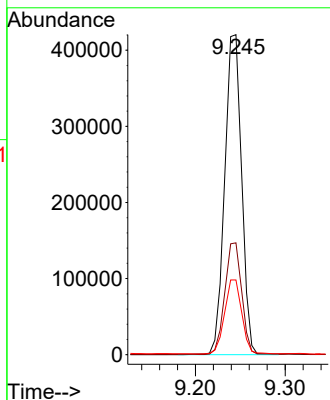
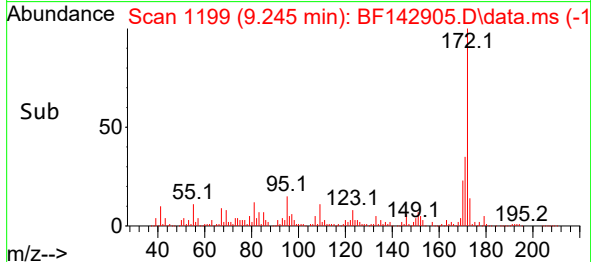
Instrument :
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VAC-TRUCK-4074



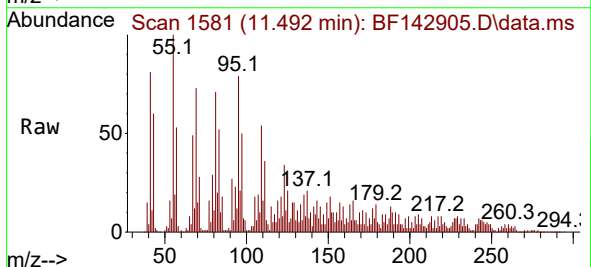
Tgt Ion:172 Resp: 550374
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.4 18.5 27.7

Manual Integrations
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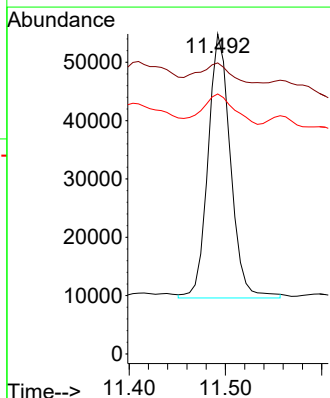
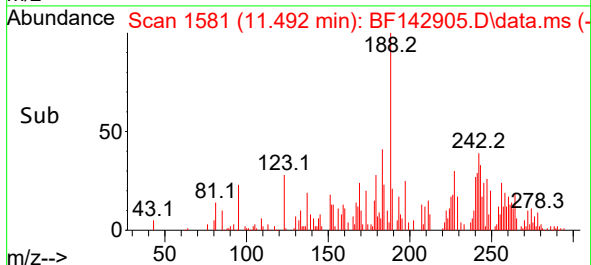
Reviewed By :Rahul Chavli 06/30/2025
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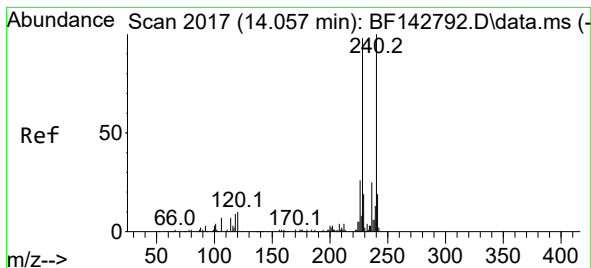


#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.492 min Scan# 1581
Delta R.T. 0.082 min
Lab File: BF142905.D
Acq: 27 Jun 2025 21:07



Tgt Ion:188 Resp: 73184
Ion Ratio Lower Upper
188 100
94 90.9 6.7 10.1#
80 81.2 6.9 10.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.115 min Scan# 2017

Delta R.T. 0.059 min

Lab File: BF142905.D

Acq: 27 Jun 2025 21:07

Instrument :

BNA_F

ClientSampleId :

VAC-TRUCK-4074

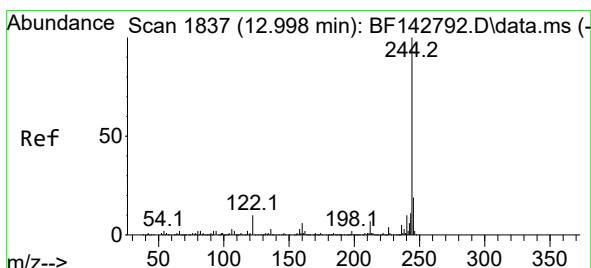
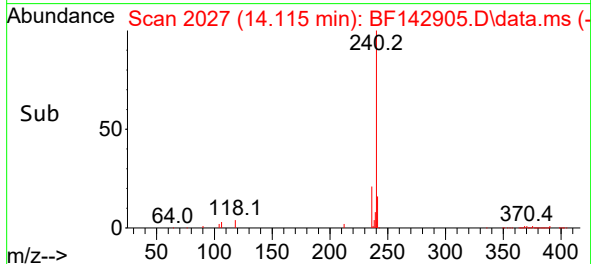
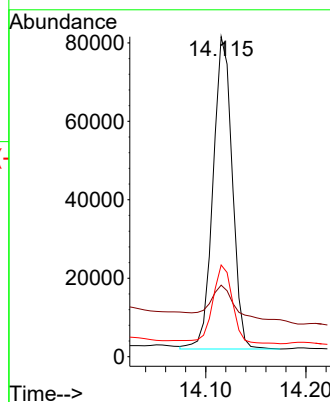
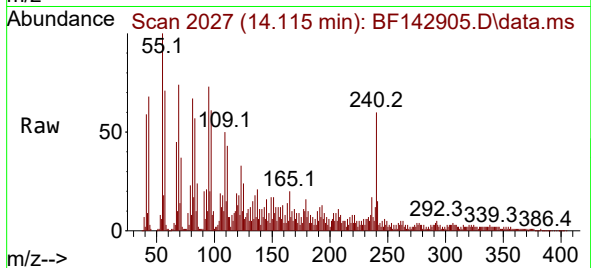
Tgt Ion:240 Resp: 10555
 Ion Ratio Lower Upper
 240 100
 120 22.3 8.2 12.2
 236 28.7 19.8 29.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/30/2025



#79

Terphenyl-d14

Concen: 59.157 ng

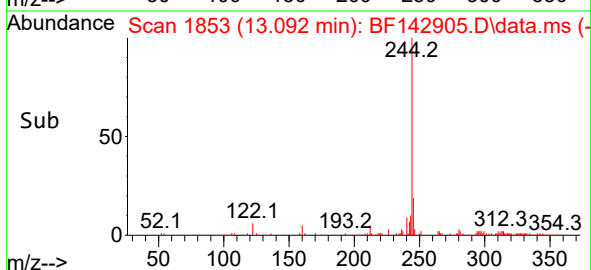
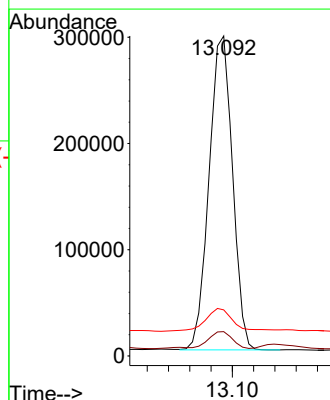
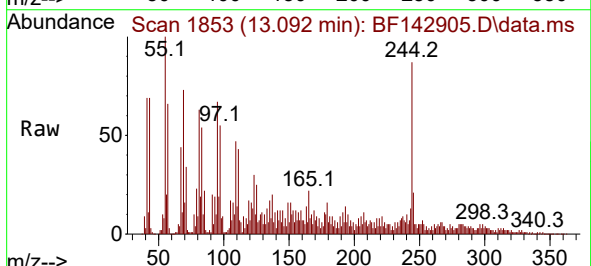
RT: 13.092 min Scan# 1853

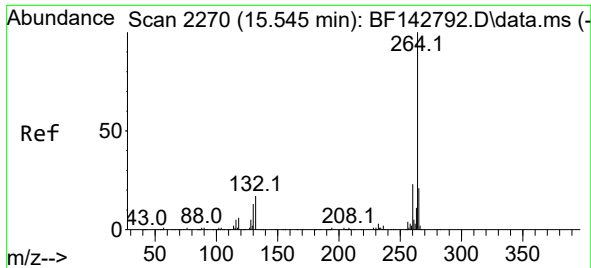
Delta R.T. 0.094 min

Lab File: BF142905.D

Acq: 27 Jun 2025 21:07

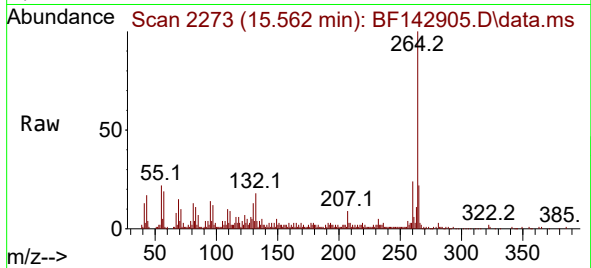
Tgt Ion:244 Resp: 451924
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.0
 122 14.4 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF142905.D
 Acq: 27 Jun 2025 21:07

Instrument :
 BNA_F
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 VAC-TRUCK-4074



Tgt Ion:264 Resp: 66890
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.1 27.1
 265 22.0 16.6 25.0

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