

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100925\
 Data File : BF143916.D
 Acq On : 09 Oct 2025 18:44
 Operator : RC/JU
 Sample : Q3318-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/10/2025
 Supervised By :Jagrut Upadhyay 10/10/2025

Quant Time: Oct 10 01:58:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	94903	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	350223	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	172854	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	277676	20.000	ng	0.00
76) Chrysene-d12	14.057	240	258432	20.000	ng	-0.01
86) Perylene-d12	15.539	264	293929	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	572130	95.733	ng	0.00
7) Phenol-d6	6.498	99	650676	91.342	ng	-0.02
23) Nitrobenzene-d5	7.439	82	384058	66.624	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	144636	84.010	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	740124	67.941	ng	-0.01
79) Terphenyl-d14	12.998	244	757548	50.099	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	97097	7.213	ng	99
75) Fluoranthene	12.627	202	227208	16.340	ng	98
78) Pyrene	12.857	202	201841	9.368	ng	99
81) Benzo(a)anthracene	14.045	228	85539	5.058	ng	# 91
83) Chrysene	14.080	228	92241	5.893	ng	# 94
88) Benzo(b)fluoranthene	15.104	252	107374m	6.359	ng	
89) Benzo(k)fluoranthene	15.121	252	31657m	2.026	ng	
90) Benzo(a)pyrene	15.474	252	67457	4.608	ng	# 92
92) Benzo(g,h,i)perylene	17.474	276	34619	2.390	ng	96

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

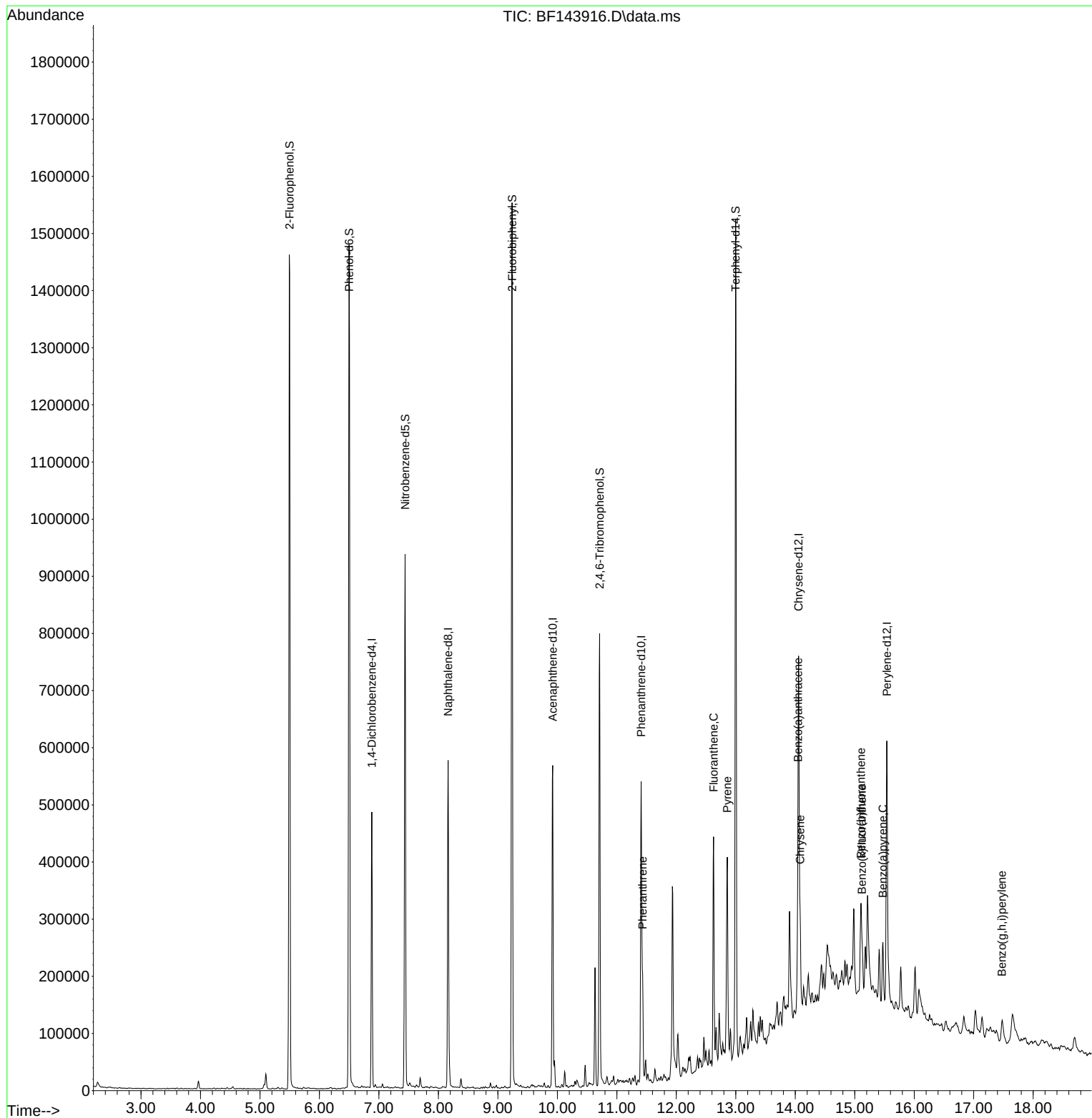
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100925\
Data File : BF143916.D
Acq On : 09 Oct 2025 18:44
Operator : RC/JU
Sample : Q3318-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

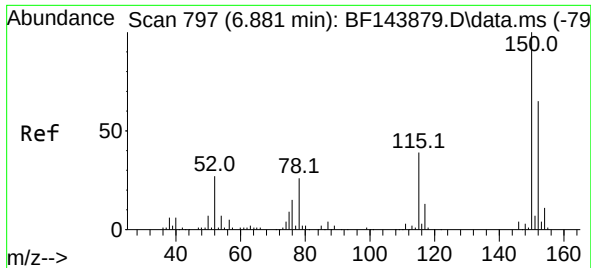
Instrument :
BNA_F
ClientSampleId :
VNJ-207

Quant Time: Oct 10 01:58:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

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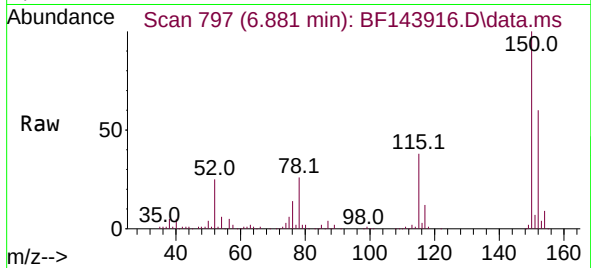
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

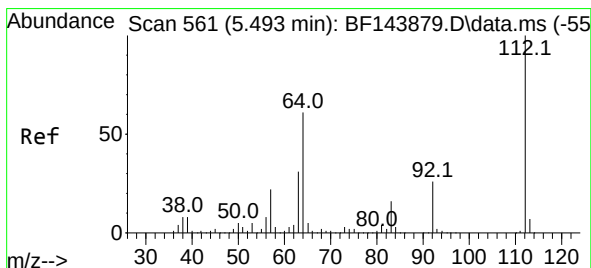
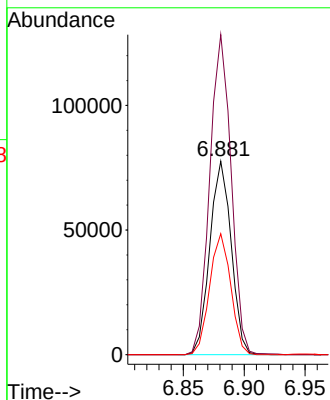
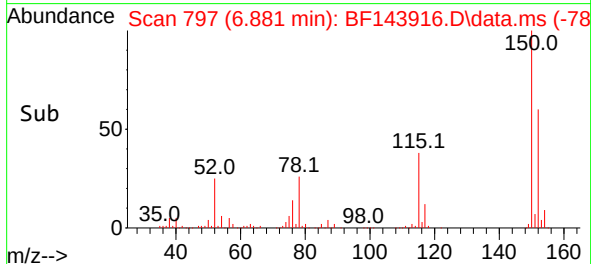
Instrument :
BNA_F
ClientSampleId :
VNJ-207



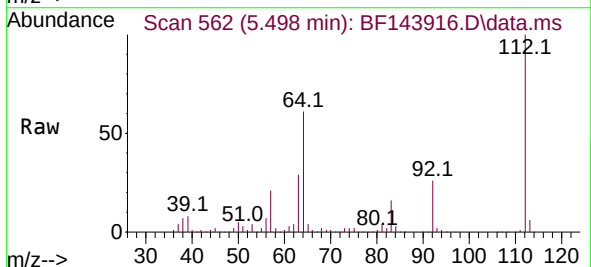
Tgt Ion:152 Resp: 94903
Ion Ratio Lower Upper
152 100
150 165.4 124.4 186.6
115 62.5 48.1 72.1

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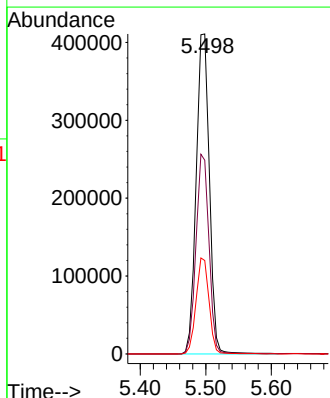
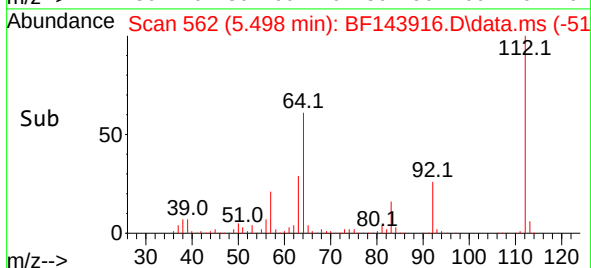
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025

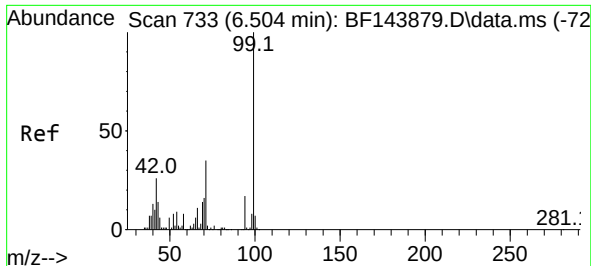


#5
2-Fluorophenol
Concen: 95.733 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44



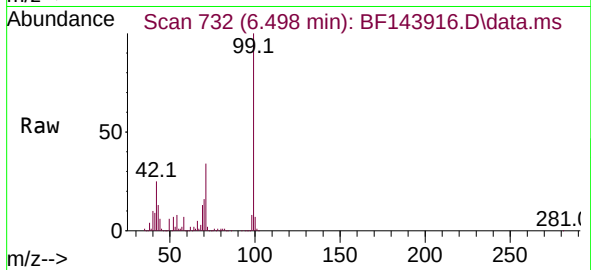
Tgt Ion:112 Resp: 572130
Ion Ratio Lower Upper
112 100
64 60.5 49.1 73.7
63 29.2 24.5 36.7





#7
Phenol-d6
Concen: 91.342 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.018 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

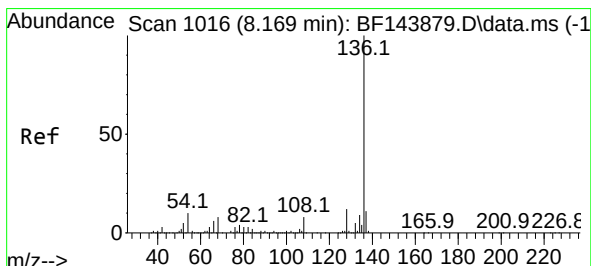
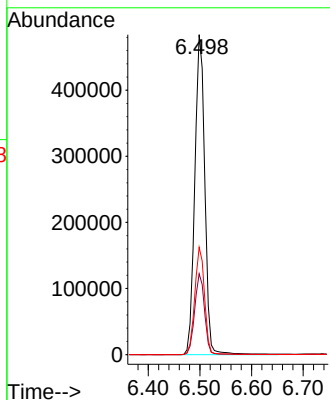
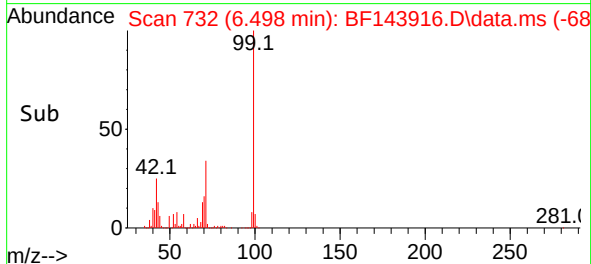
Instrument :
BNA_F
ClientSampleId :
VNJ-207



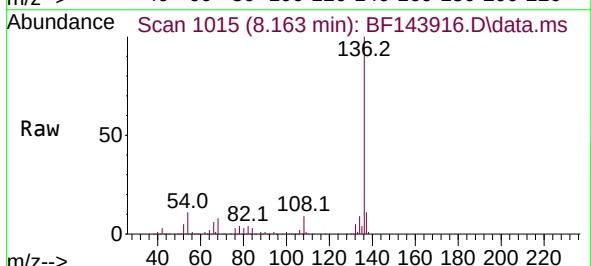
Tgt Ion: 99 Resp: 650676
Ion Ratio Lower Upper
99 100
42 25.3 21.0 31.4
71 33.5 27.8 41.8

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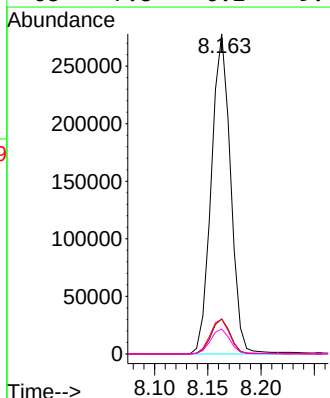
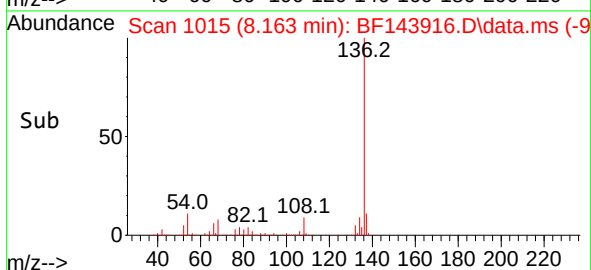
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025

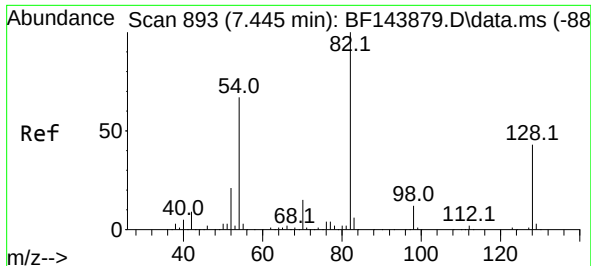


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44



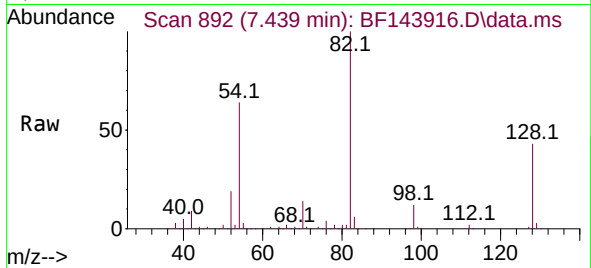
Tgt Ion:136 Resp: 350223
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.8 8.2 12.4
68 7.8 6.2 9.4





#23
Nitrobenzene-d5
Concen: 66.624 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

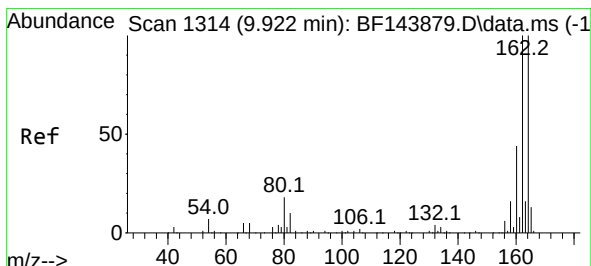
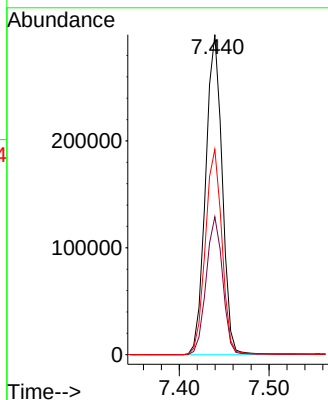
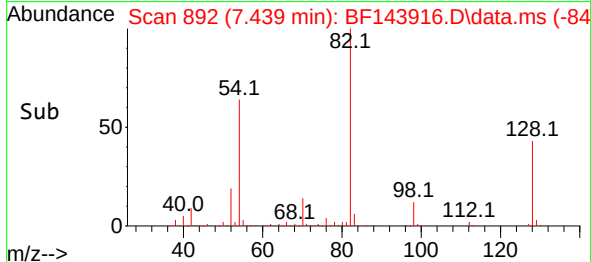
Instrument :
BNA_F
ClientSampleId :
VNJ-207



Tgt Ion: 82 Resp: 384058
Ion Ratio Lower Upper
82 100
128 43.1 34.0 51.0
54 64.2 53.2 79.8

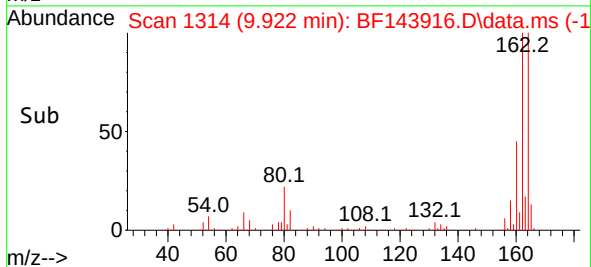
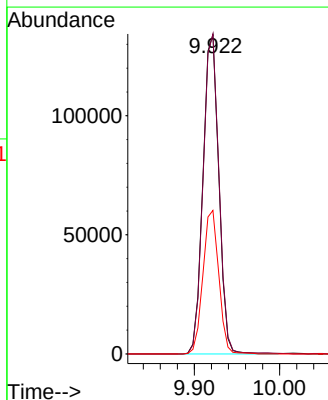
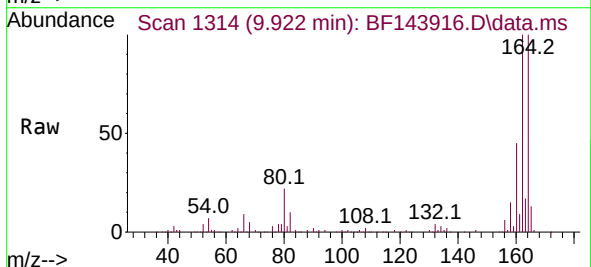
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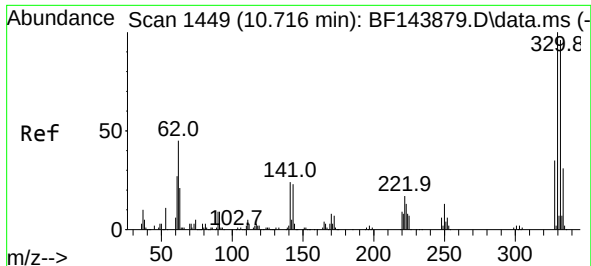
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

Tgt Ion:164 Resp: 172854
Ion Ratio Lower Upper
164 100
162 100.3 80.2 120.2
160 44.9 35.4 53.0





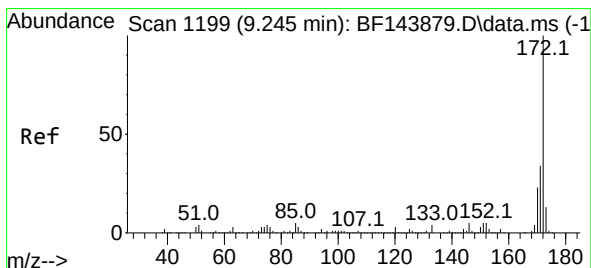
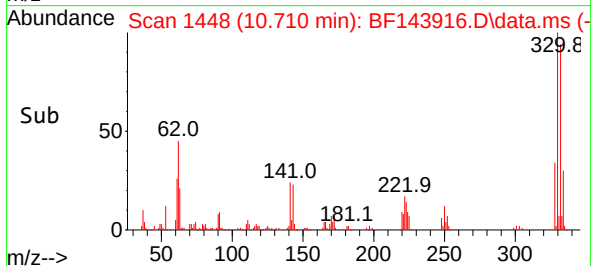
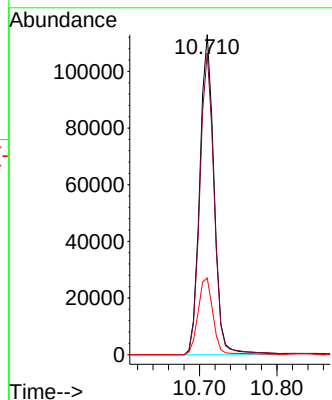
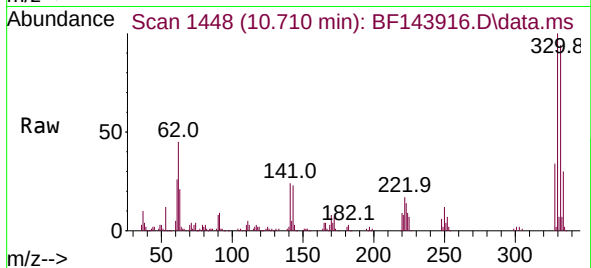
#42
2,4,6-Tribromophenol
Concen: 84.010 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

Instrument :
BNA_F
ClientSampleId :
VNJ-207

Tgt Ion:330 Resp: 144636
Ion Ratio Lower Upper
330 100
332 94.7 76.9 115.3
141 25.2 20.2 30.4

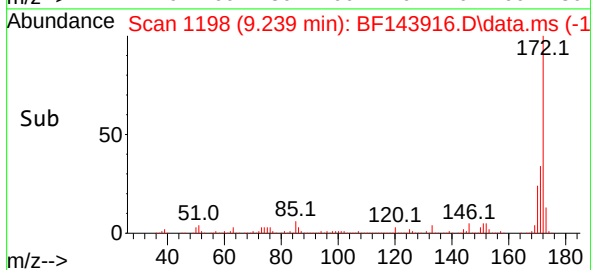
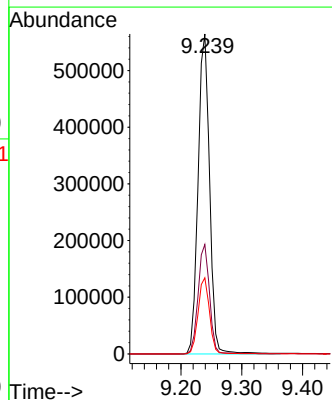
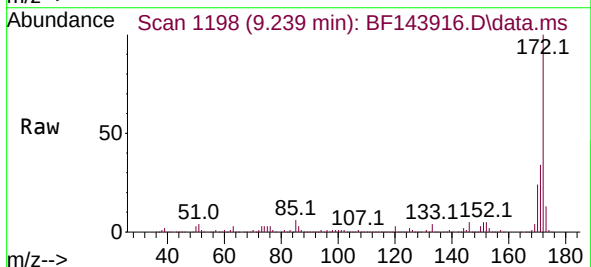
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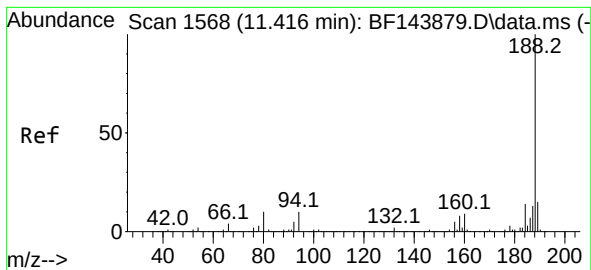
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#45
2-Fluorobiphenyl
Concen: 67.941 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

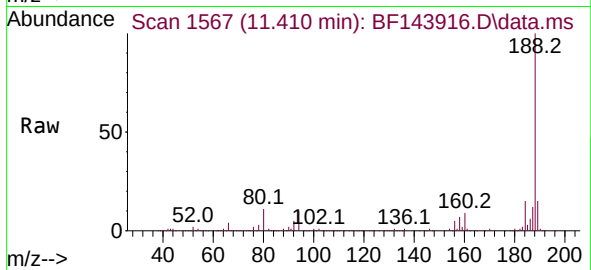
Tgt Ion:172 Resp: 740124
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 23.8 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

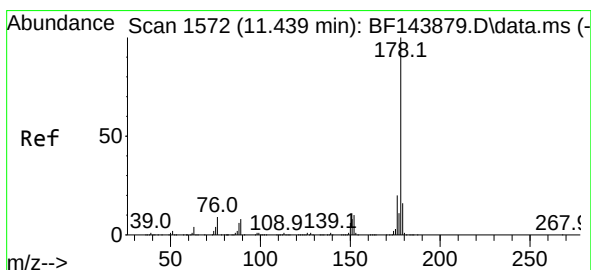
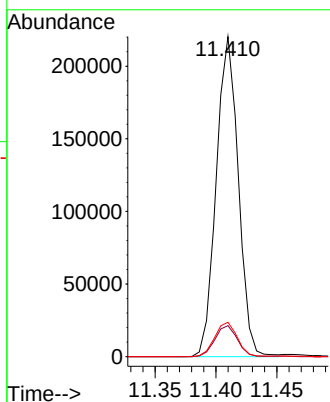
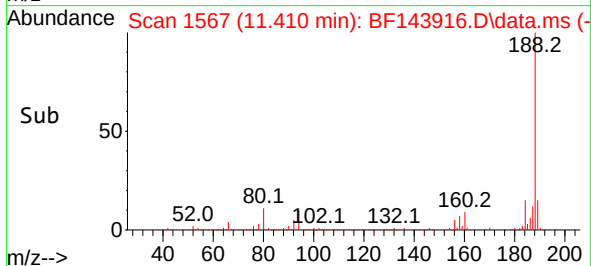
Instrument :
BNA_F
ClientSampleId :
VNJ-207



Tgt Ion:188 Resp: 277676
Ion Ratio Lower Upper
188 100
94 9.7 7.8 11.6
80 10.7 7.9 11.9

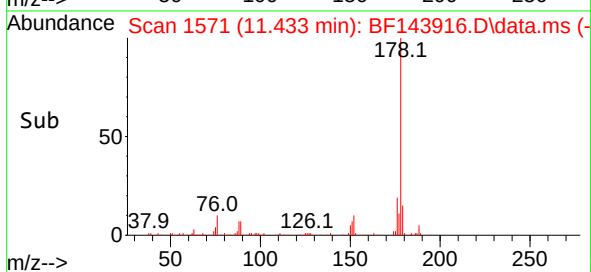
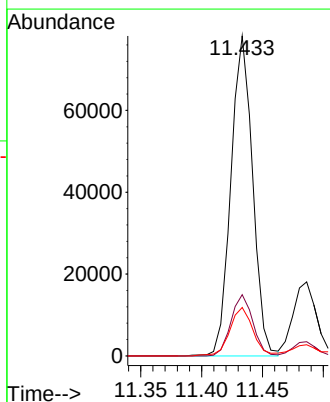
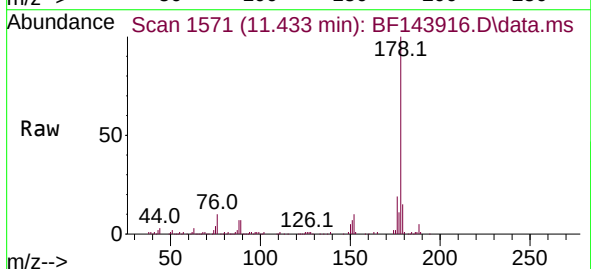
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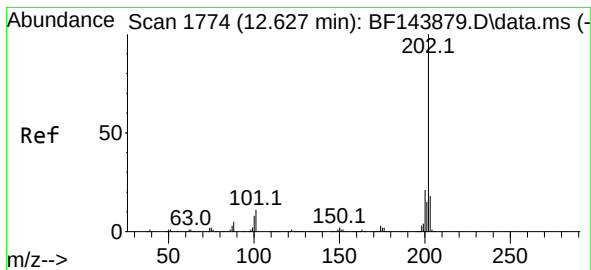
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#71
Phenanthrene
Concen: 7.213 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

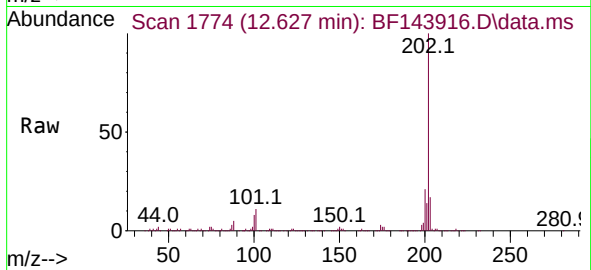
Tgt Ion:178 Resp: 97097
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.1 12.4 18.6





#75
Fluoranthene
Concen: 16.340 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

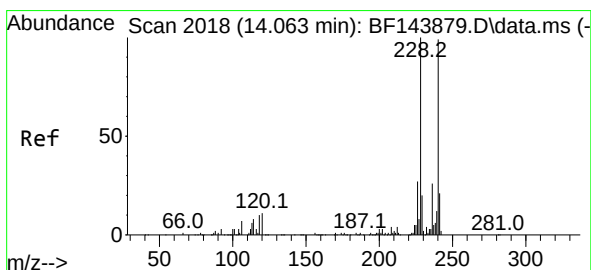
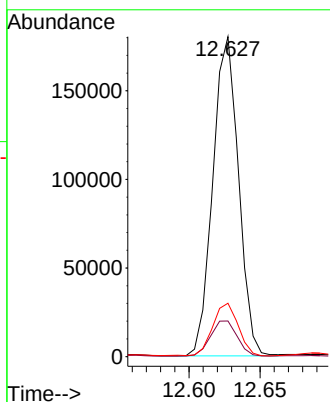
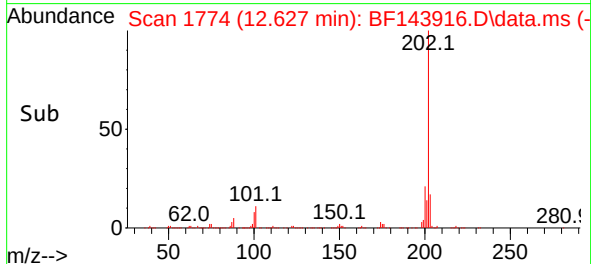
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VNJ-207



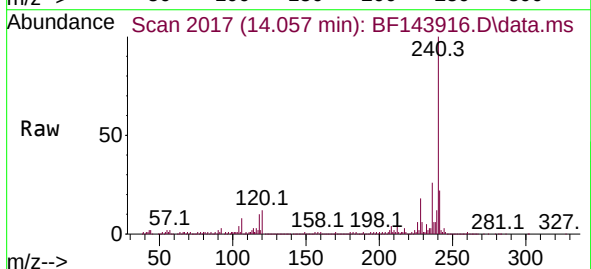
Tgt Ion:202 Resp: 227208
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.7
203 16.7 0.0 37.8

Manual Integrations
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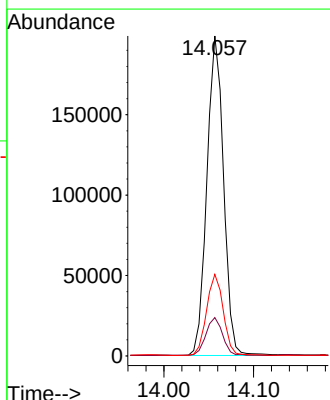
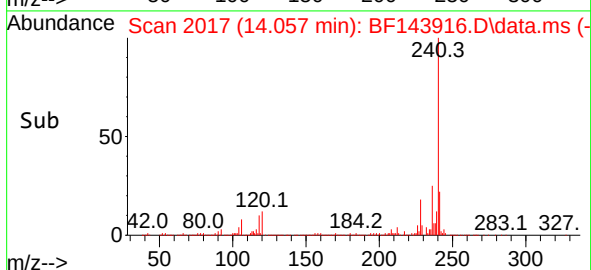
Reviewed By :Rahul Chavli 10/10/2025
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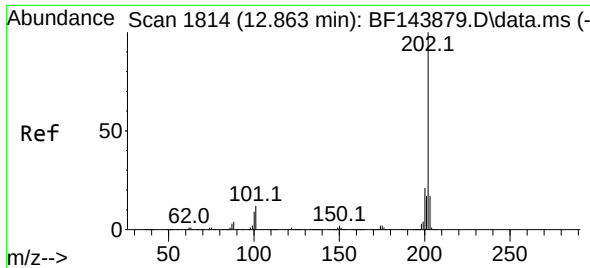


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44



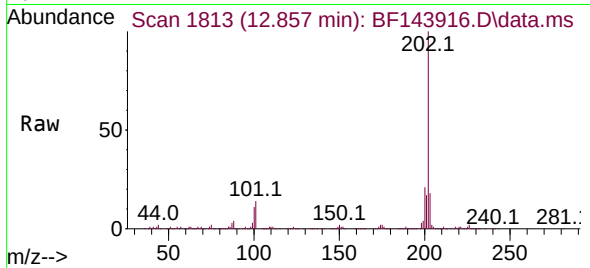
Tgt Ion:240 Resp: 258432
Ion Ratio Lower Upper
240 100
120 12.0 8.6 13.0
236 25.5 21.1 31.7





#78
Pyrene
Concen: 9.368 ng
RT: 12.857 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

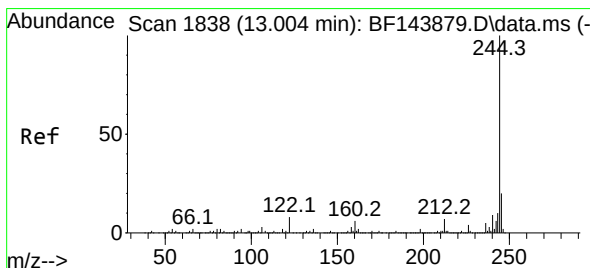
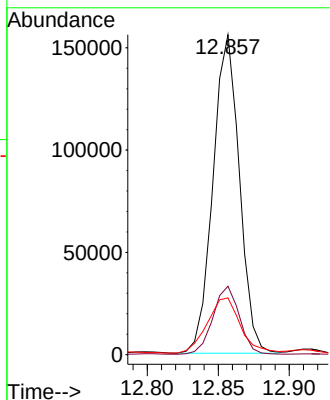
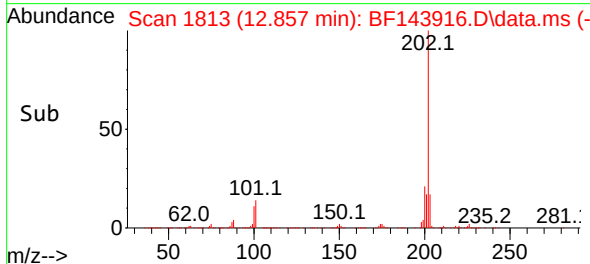
Instrument :
BNA_F
ClientSampleId :
VNJ-207



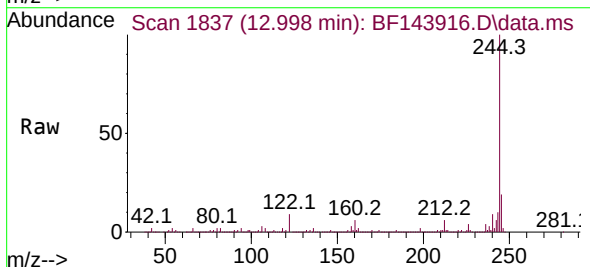
Tgt Ion:202 Resp: 20184
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 17.7 13.8 20.6

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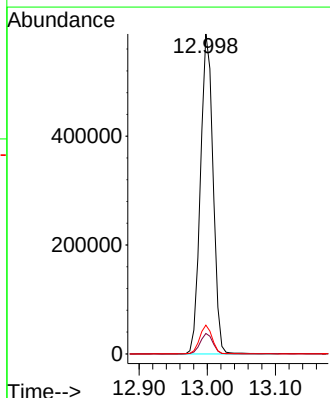
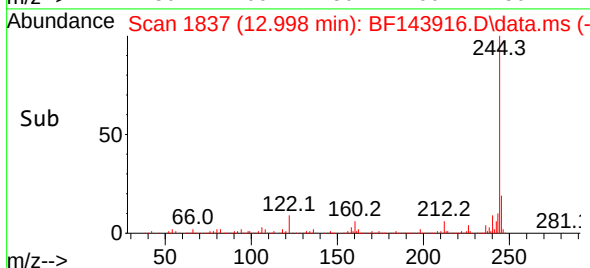
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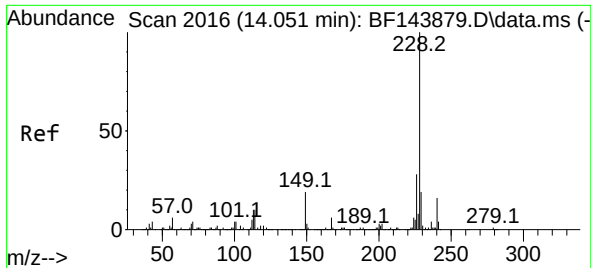


#79
Terphenyl-d14
Concen: 50.099 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44



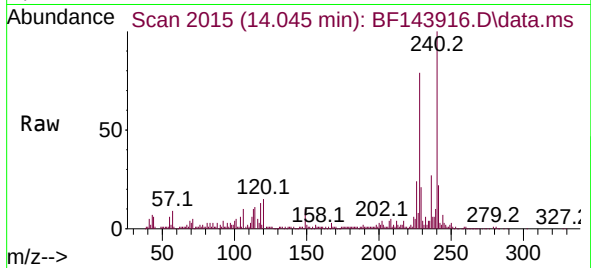
Tgt Ion:244 Resp: 757548
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.0 6.4 9.6





#81
Benzo(a)anthracene
Concen: 5.058 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

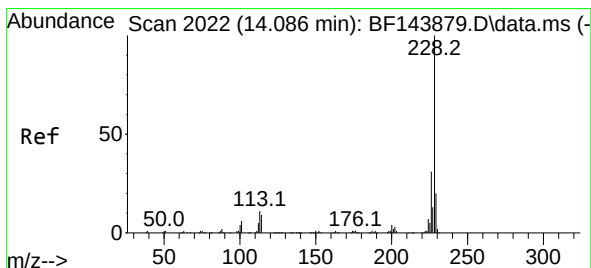
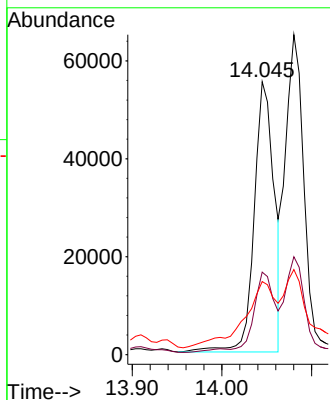
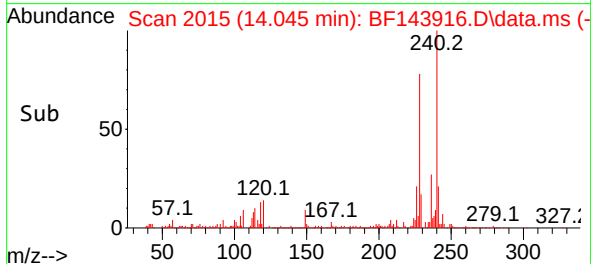
Instrument :
BNA_F
ClientSampleId :
VNJ-207



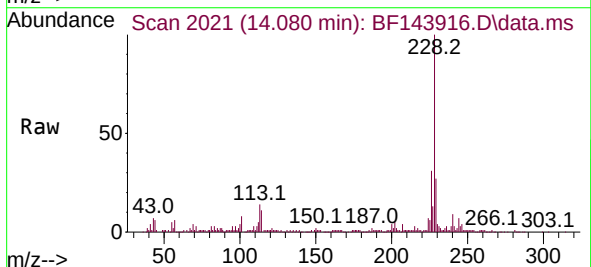
Tgt Ion:228 Resp: 85539
Ion Ratio Lower Upper
228 100
226 30.2 22.2 33.2
229 26.8 15.6 23.4

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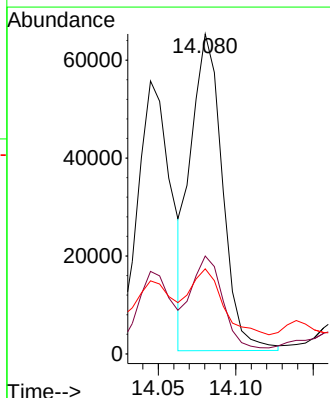
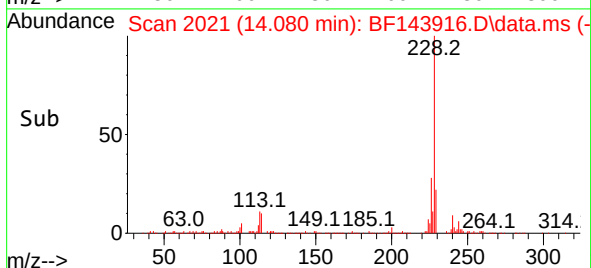
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025

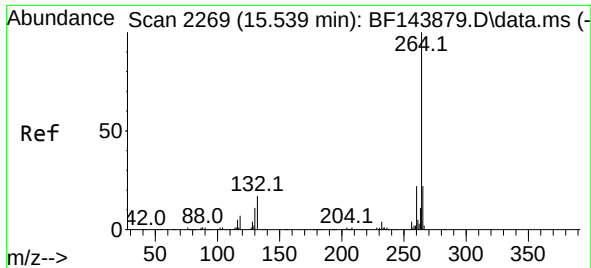


#83
Chrysene
Concen: 5.893 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44



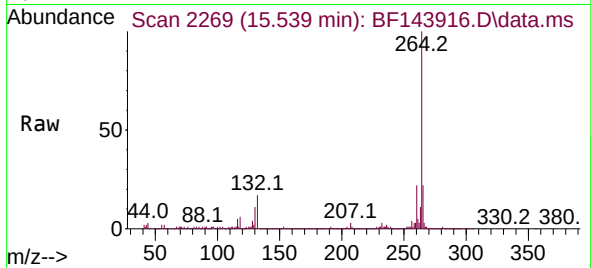
Tgt Ion:228 Resp: 92241
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 26.6 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

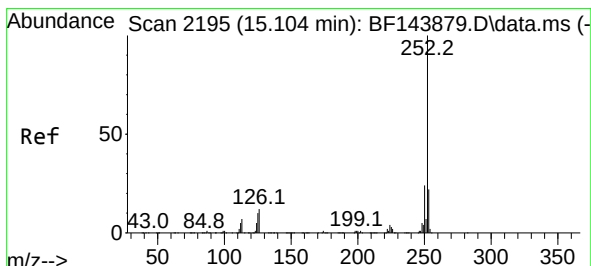
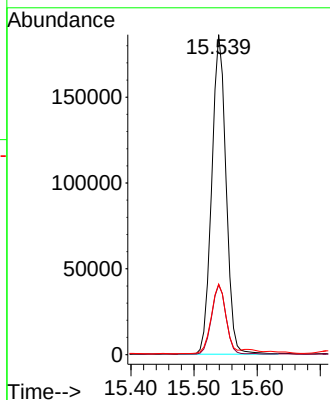
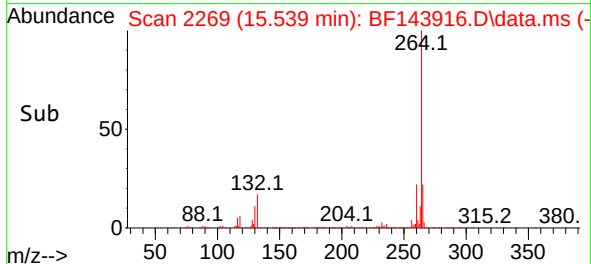
Instrument :
BNA_F
ClientSampleId :
VNJ-207



Tgt Ion:264 Resp: 293929
Ion Ratio Lower Upper
264 100
260 21.8 17.8 26.8
265 22.0 17.5 26.3

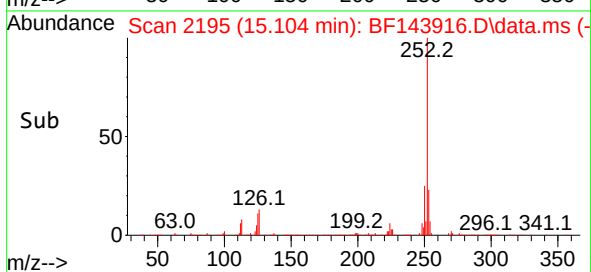
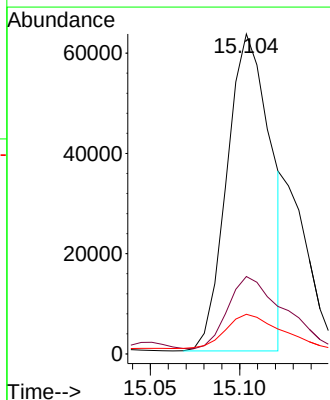
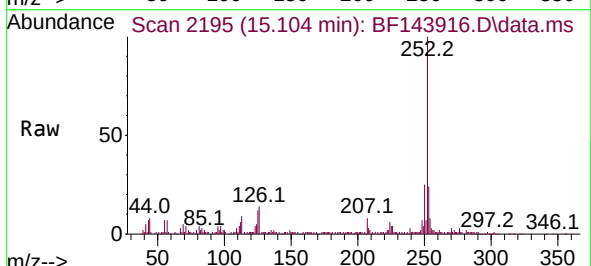
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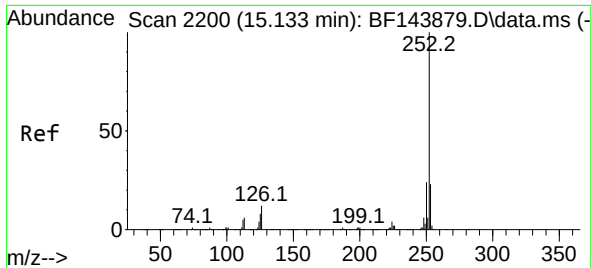
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#88
Benzo(b)fluoranthene
Concen: 6.359 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143916.D
Acq: 09 Oct 2025 18:44

Tgt Ion:252 Resp: 107374
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 12.4 7.8 11.6#





#89

Benzo(k)fluoranthene

Concen: 2.026 ng m

RT: 15.121 min Scan# 2198

Delta R.T. -0.023 min

Lab File: BF143916.D

Acq: 09 Oct 2025 18:44

Instrument :

BNA_F

ClientSampleId :

VNJ-207

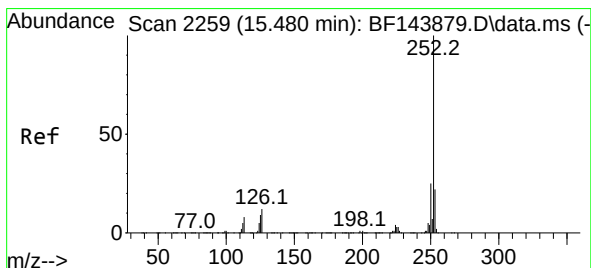
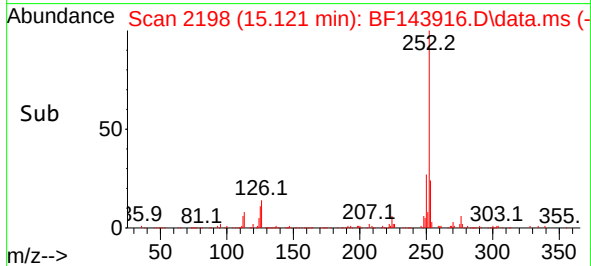
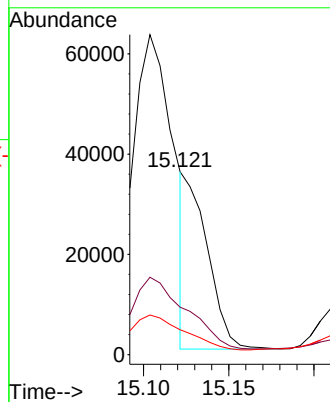
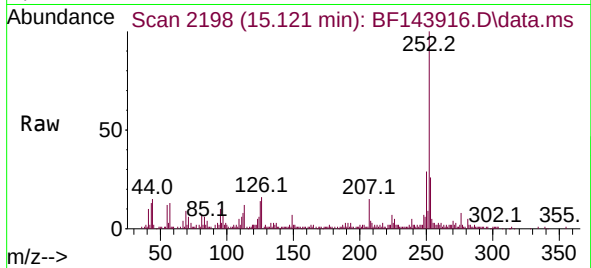
Tgt Ion:252 Resp: 31652
 Ion Ratio Lower Upper
 252 100
 253 26.0 17.8 26.8
 125 13.6 7.4 11.2

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Reviewed By :Rahul Chavli 10/10/2025

Supervised By :Jagrut Upadhyay 10/10/2025



#90

Benzo(a)pyrene

Concen: 4.608 ng

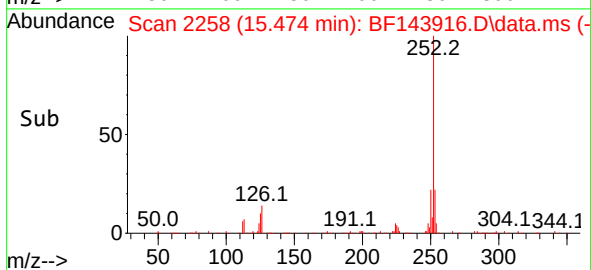
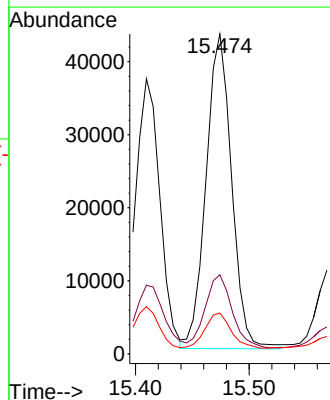
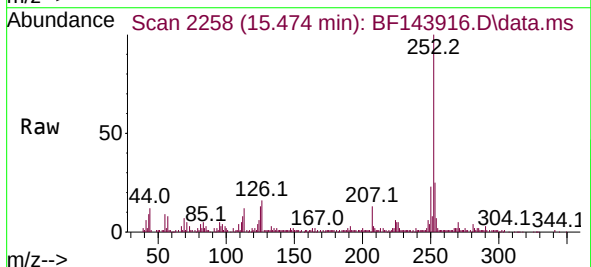
RT: 15.474 min Scan# 2258

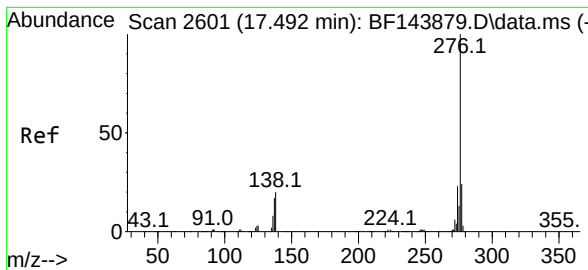
Delta R.T. -0.012 min

Lab File: BF143916.D

Acq: 09 Oct 2025 18:44

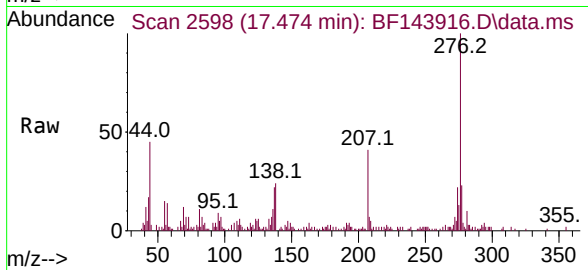
Tgt Ion:252 Resp: 67457
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.3 25.9
 125 12.8 7.0 10.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.390 ng
 RT: 17.474 min Scan# 2598
 Delta R.T. -0.041 min
 Lab File: BF143916.D
 Acq: 09 Oct 2025 18:44

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207



Tgt Ion: 276 Resp: 34619
 Ion Ratio Lower Upper
 276 100
 277 23.4 19.0 28.6
 138 23.5 16.1 24.1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/10/2025
 Supervised By :Jagrut Upadhyay 10/10/2025

