

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141879.D
 Acq On : 06 Mar 2025 20:27
 Operator : RC/JU
 Sample : Q1490-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLAY-SLUDGE-DRUMS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/07/2025
 Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 07 00:22:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	150342	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	572030	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	275417	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	437372	20.000	ng	0.00
76) Chrysene-d12	14.039	240	390253	20.000	ng	-0.01
86) Perylene-d12	15.515	264	391417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	777053	82.541	ng	0.00
7) Phenol-d6	6.504	99	952656	77.747	ng	0.00
23) Nitrobenzene-d5	7.439	82	626457	70.002	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	252523	97.663	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1055213	61.433	ng	0.00
79) Terphenyl-d14	12.992	244	1070294	44.372	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	142647	6.097	ng	# 96
75) Fluoranthene	12.616	202	294103	12.269	ng	97
78) Pyrene	12.845	202	284819	8.428	ng	98
80) Butylbenzylphthalate	13.463	149	55395	4.512	ng	97
81) Benzo(a)anthracene	14.033	228	135994	5.276	ng	# 95
83) Chrysene	14.063	228	143522	6.040	ng	# 95
84) Bis(2-ethylhexyl)phtha...	14.021	149	359370	23.507	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	58424m	2.344	ng	
88) Benzo(b)fluoranthene	15.080	252	178561m	6.697	ng	
89) Benzo(k)fluoranthene	15.098	252	62745m	2.769	ng	
90) Benzo(a)pyrene	15.451	252	111525	5.216	ng	95
92) Benzo(g,h,i)perylene	17.445	276	57505	2.759	ng	96

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

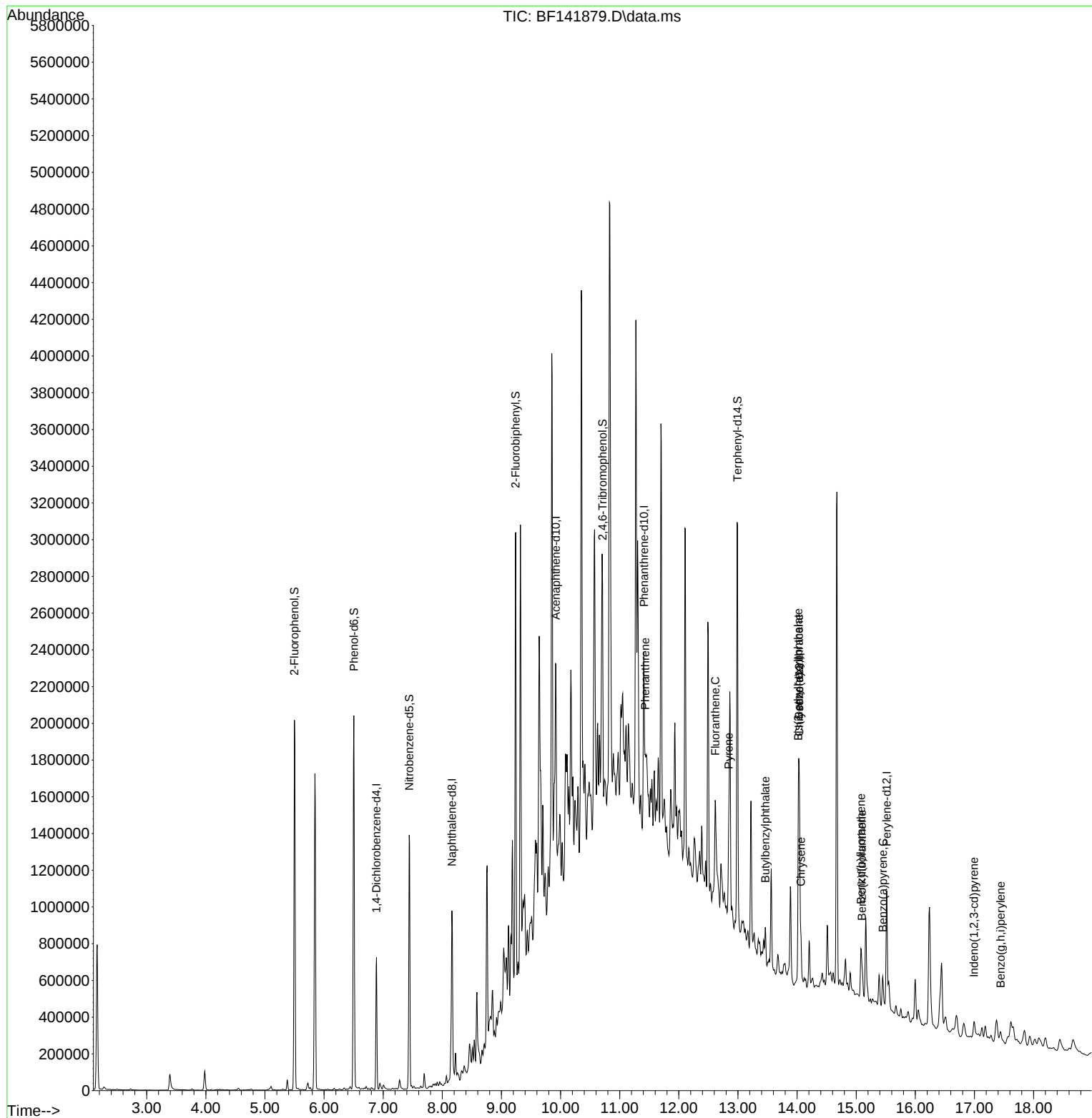
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Data File : BF141879.D
Acq On : 06 Mar 2025 20:27
Operator : RC/JU
Sample : Q1490-01
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ALS Vial : 23 Sample Multiplier: 1

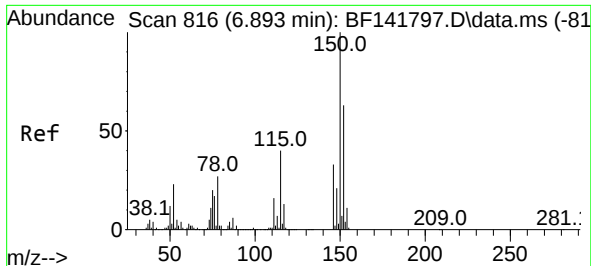
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
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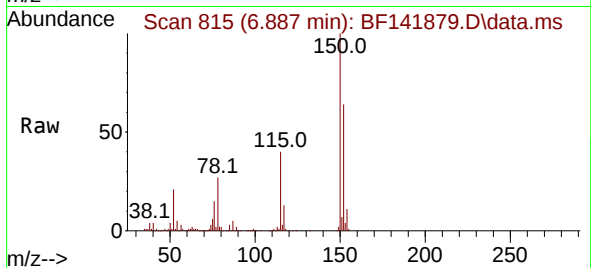
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

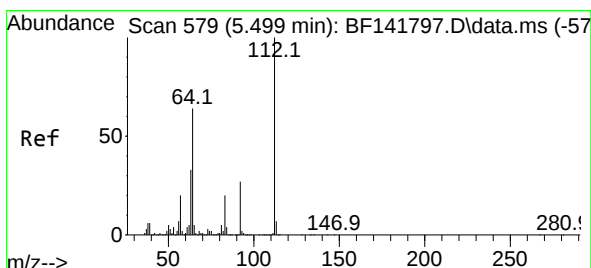
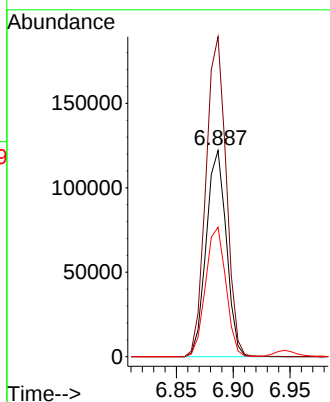
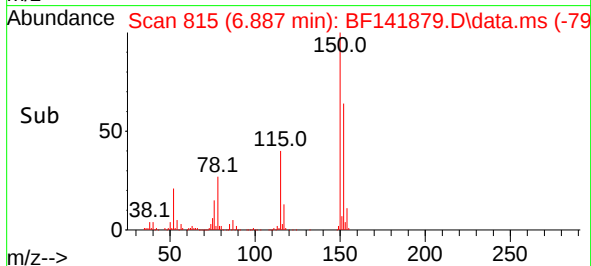
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS



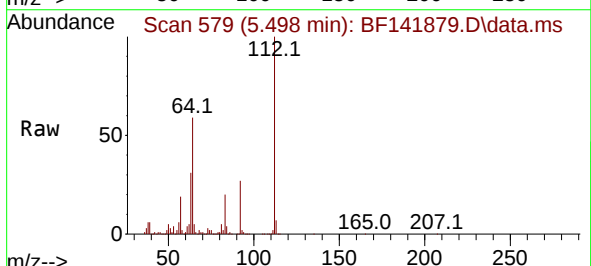
Tgt Ion:152 Resp: 150342
Ion Ratio Lower Upper
152 100
150 155.1 127.5 191.3
115 62.7 51.4 77.2

Manual Integrations
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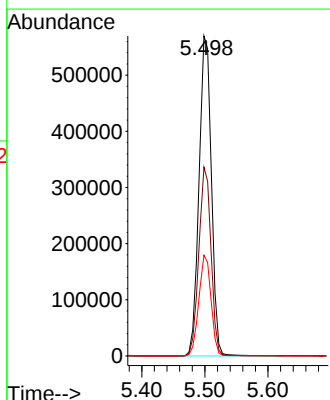
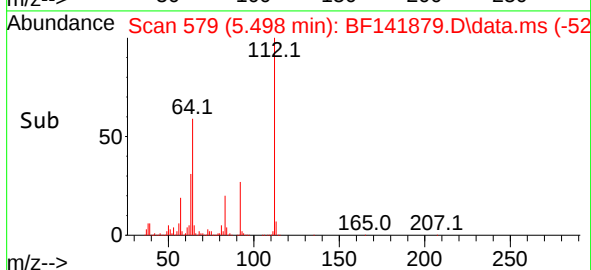
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

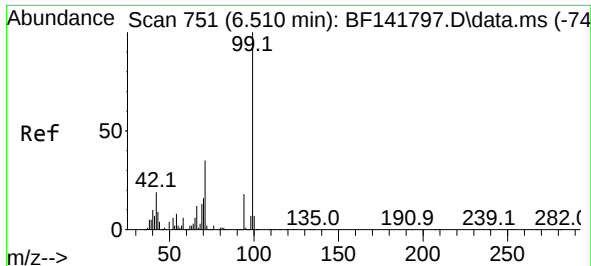


#5
2-Fluorophenol
Concen: 82.541 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27



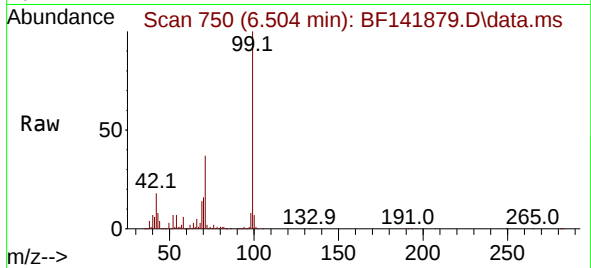
Tgt Ion:112 Resp: 777053
Ion Ratio Lower Upper
112 100
64 59.0 51.3 76.9
63 31.5 26.2 39.4





#7
Phenol-d6
Concen: 77.747 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

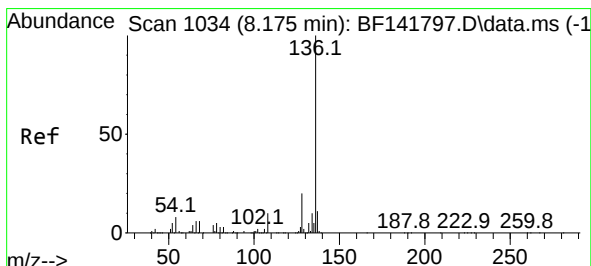
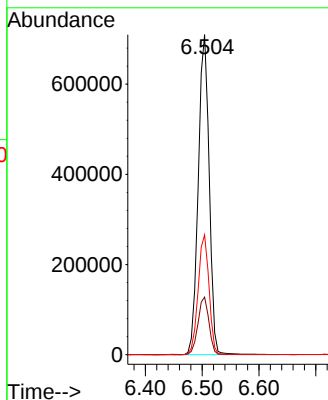
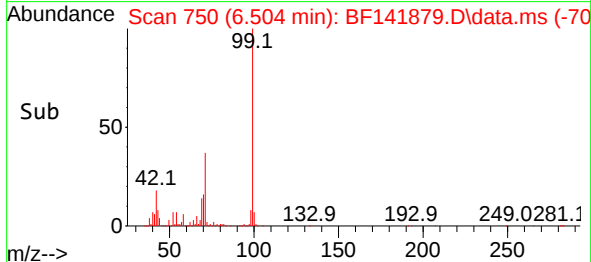
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS



Tgt Ion: 99 Resp: 952650
Ion Ratio Lower Upper
99 100
42 18.0 15.2 22.8
71 37.5 28.2 42.2

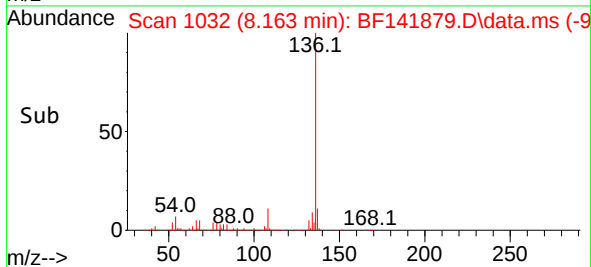
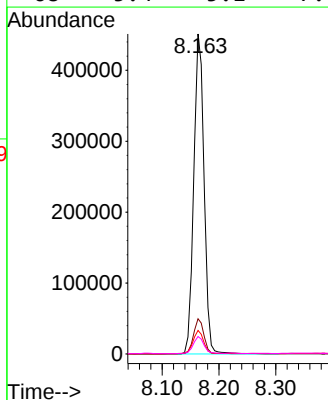
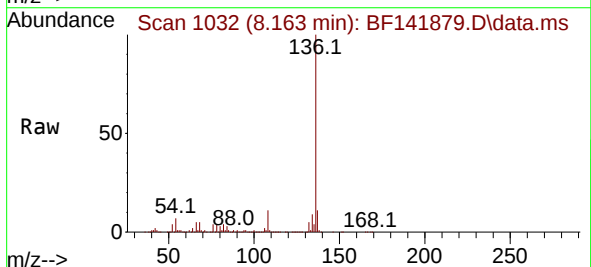
Manual Integrations
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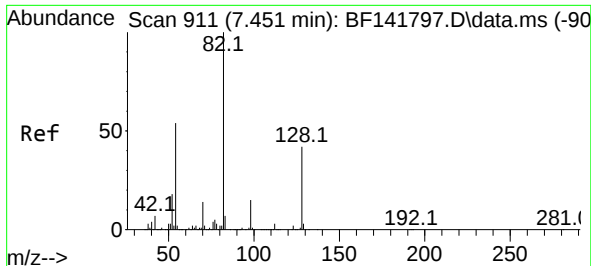
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

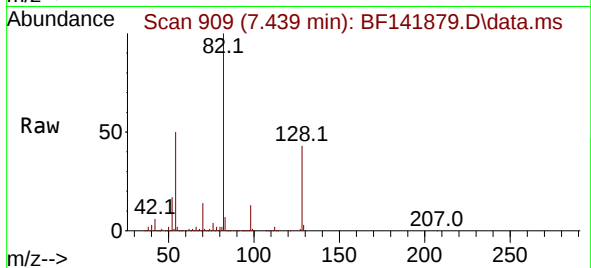
Tgt Ion:136 Resp: 572030
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.4 6.9 10.3
68 5.4 5.1 7.7





#23
Nitrobenzene-d5
Concen: 70.002 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

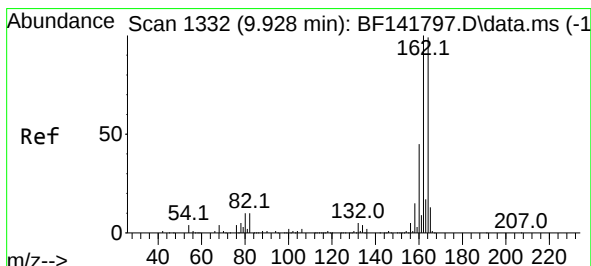
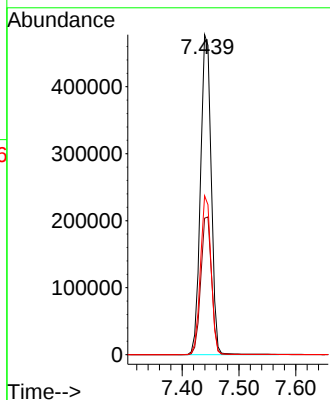
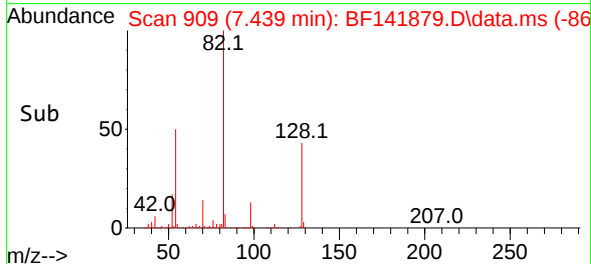
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS



Tgt Ion: 82 Resp: 62645
Ion Ratio Lower Upper
82 100
128 42.7 33.5 50.3
54 49.7 42.7 64.1

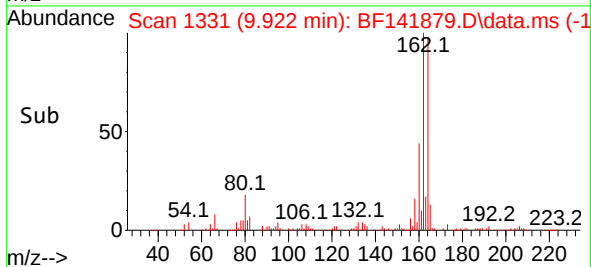
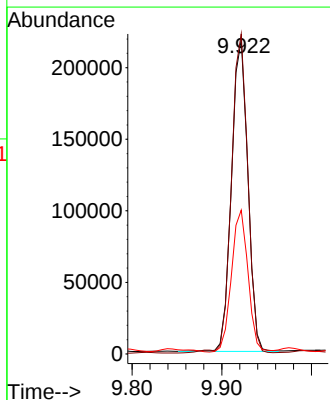
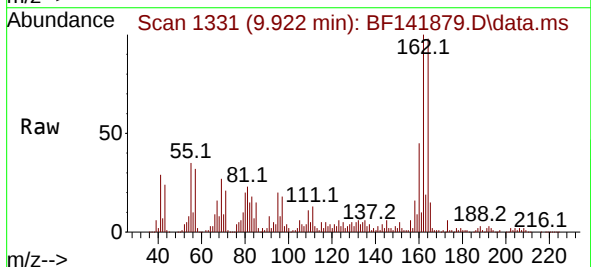
Manual Integrations
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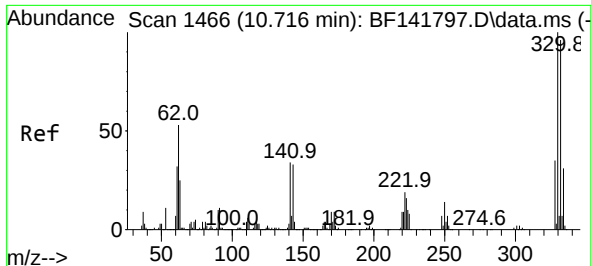
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

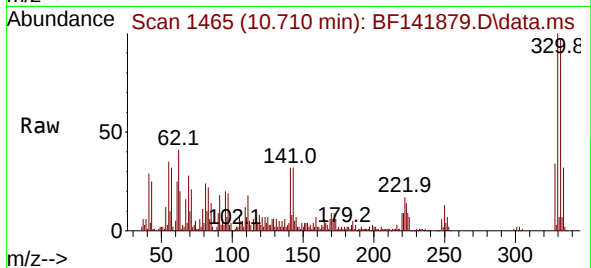
Tgt Ion:164 Resp: 275417
Ion Ratio Lower Upper
164 100
162 101.8 80.6 120.8
160 45.8 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 97.663 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

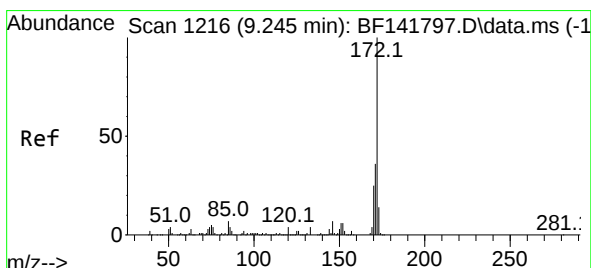
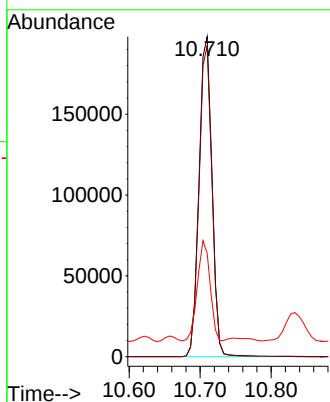
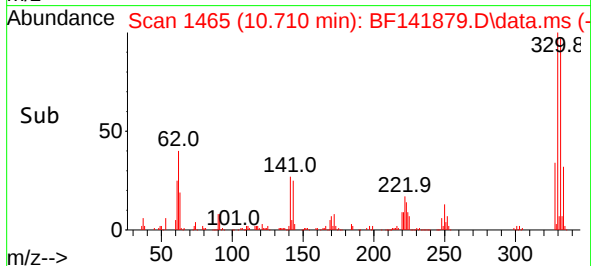
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS



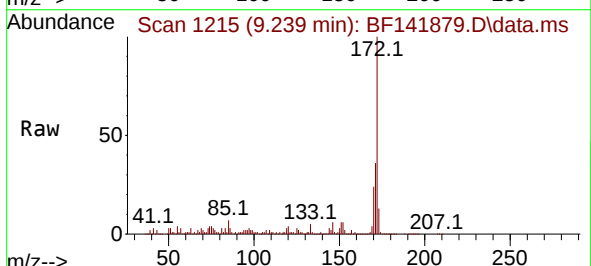
Tgt Ion:330 Resp: 25252
Ion Ratio Lower Upper
330 100
332 97.2 76.6 115.0
141 30.5 29.0 43.4

Manual Integrations
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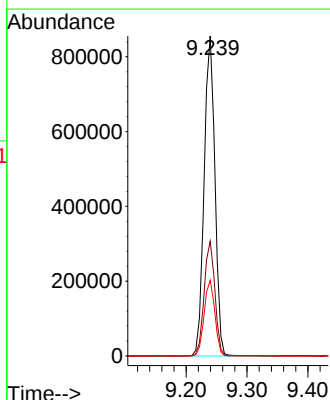
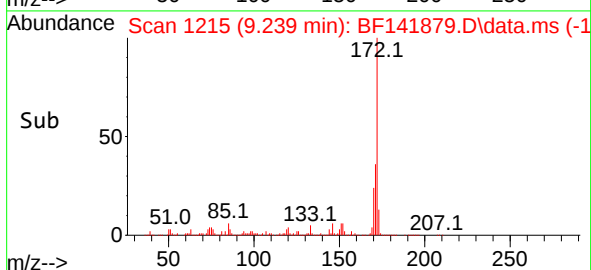
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

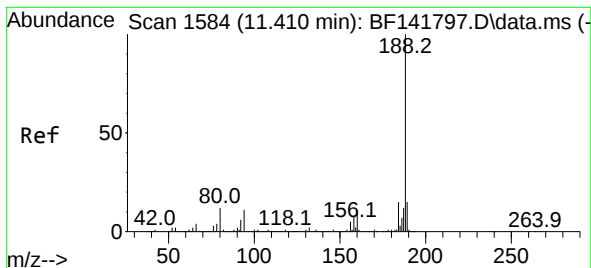


#45
2-Fluorobiphenyl
Concen: 61.433 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27



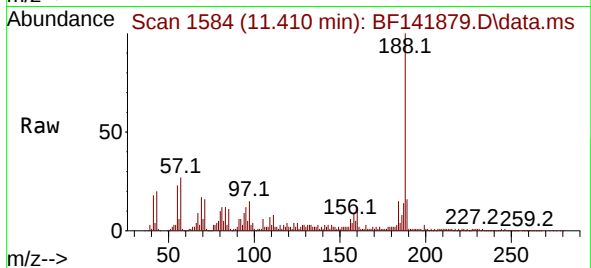
Tgt Ion:172 Resp: 1055213
Ion Ratio Lower Upper
172 100
171 35.9 29.2 43.8
170 23.7 19.7 29.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

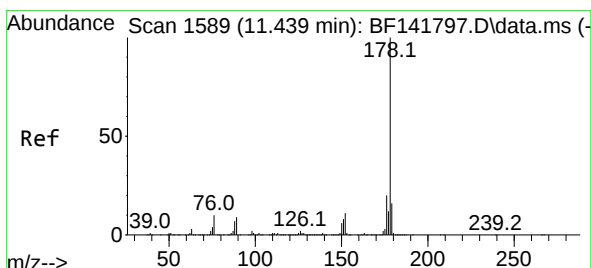
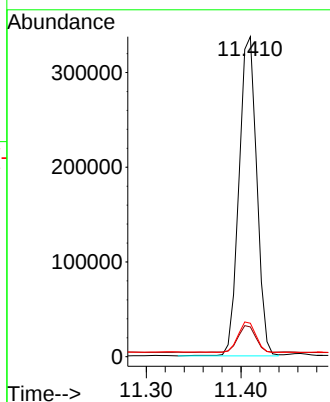
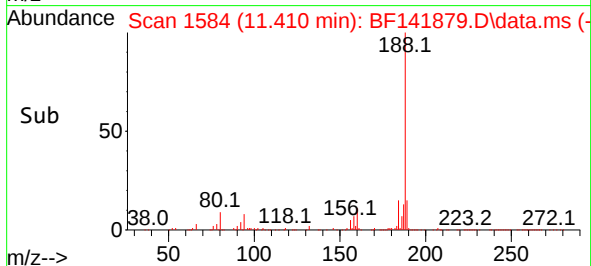
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS



Tgt Ion:188 Resp: 437372
Ion Ratio Lower Upper
188 100
94 9.3 8.9 13.3
80 10.5 9.7 14.5

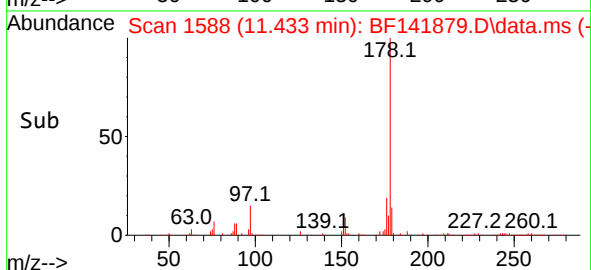
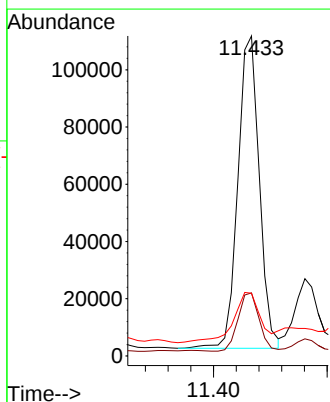
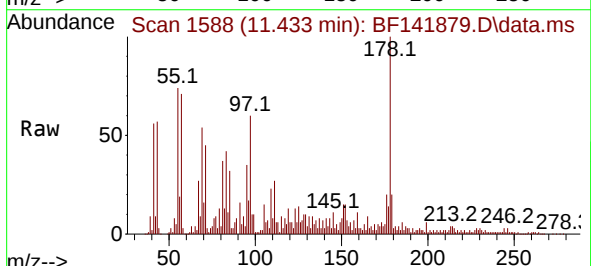
Manual Integrations
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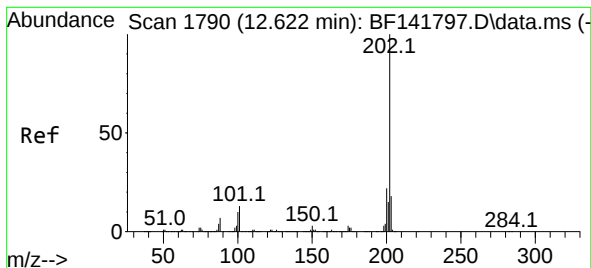
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#71
Phenanthrene
Concen: 6.097 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

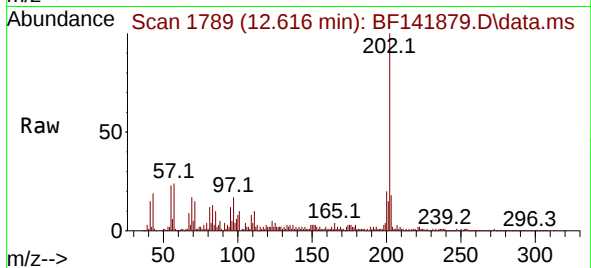
Tgt Ion:178 Resp: 142647
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 19.6 12.6 19.0#





#75
Fluoranthene
Concen: 12.269 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

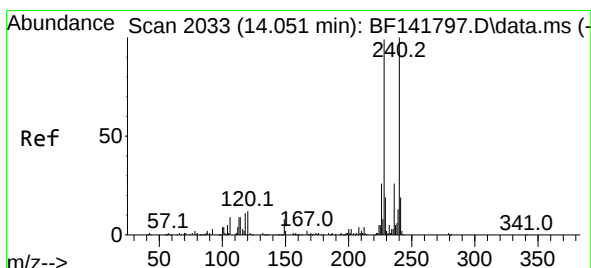
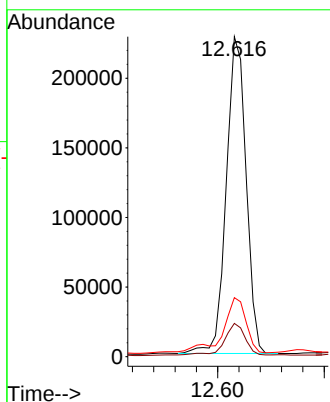
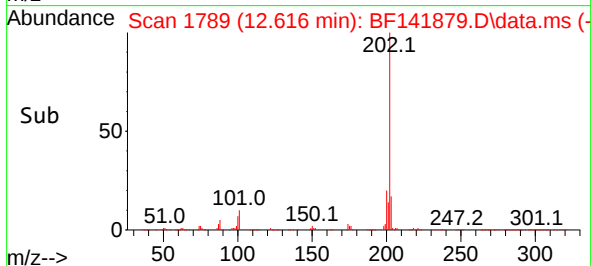
Instrument :
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CLAY-SLUDGE-DRUMS



Tgt Ion:202 Resp: 29410
Ion Ratio Lower Upper
202 100
101 10.4 0.0 32.8
203 18.4 0.0 38.0

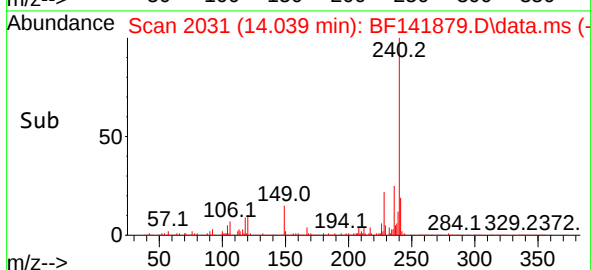
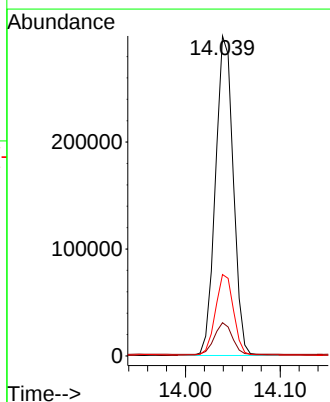
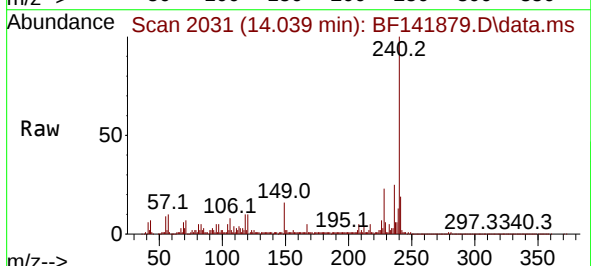
Manual Integrations
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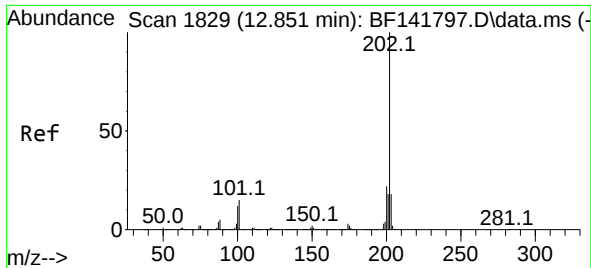
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

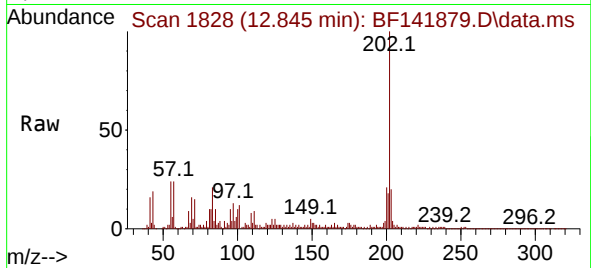
Tgt Ion:240 Resp: 390253
Ion Ratio Lower Upper
240 100
120 10.4 9.7 14.5
236 25.5 21.0 31.4





#78
 Pyrene
 Concen: 8.428 ng
 RT: 12.845 min Scan# 1828
 Delta R.T. -0.006 min
 Lab File: BF141879.D
 Acq: 06 Mar 2025 20:27

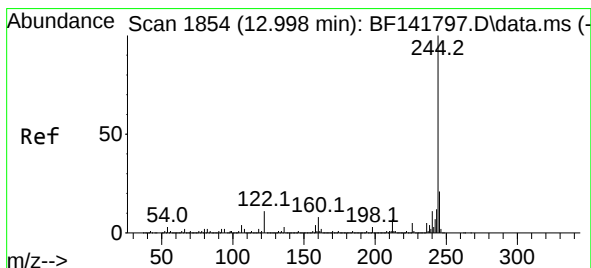
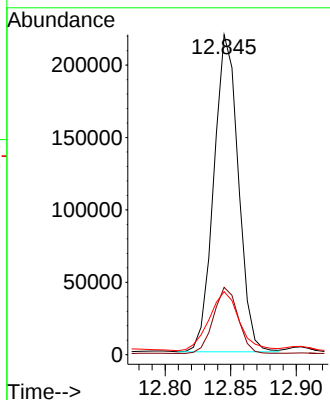
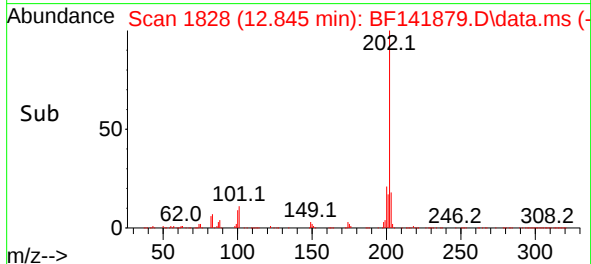
Instrument :
 BNA_F
 ClientSampleId :
 CLAY-SLUDGE-DRUMS



Tgt Ion:202 Resp: 284819
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.4 26.0
 203 19.7 14.6 22.0

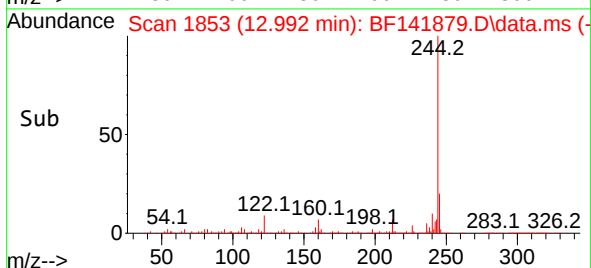
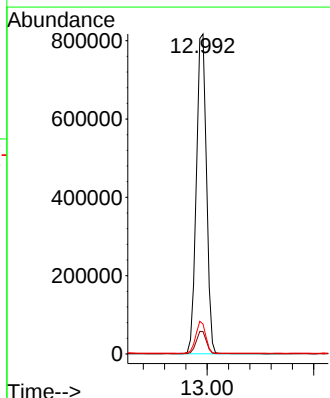
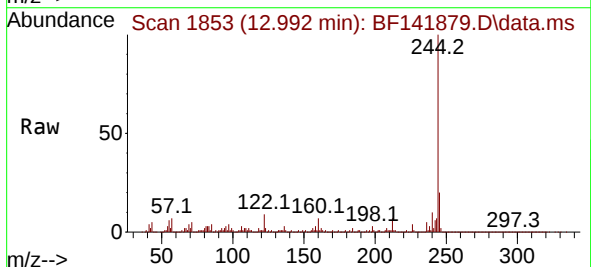
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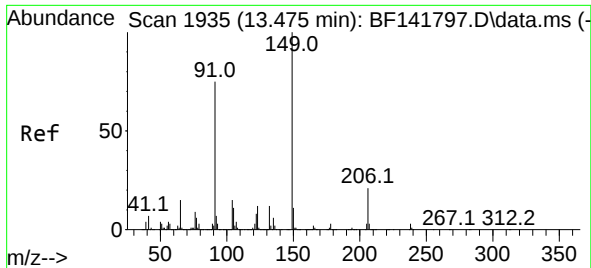
Reviewed By :Anahy Claudio 03/07/2025
 Supervised By :Jagrut Upadhyay 03/07/2025



#79
 Terphenyl-d14
 Concen: 44.372 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF141879.D
 Acq: 06 Mar 2025 20:27

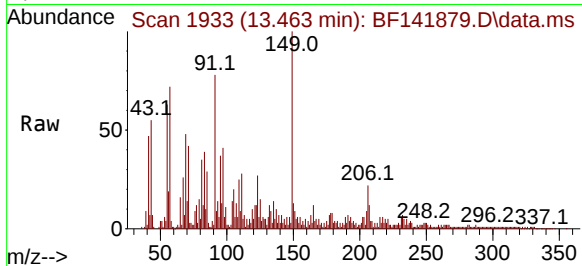
Tgt Ion:244 Resp: 1070294
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.3 9.0 13.6





#80
Butylbenzylphthalate
Concen: 4.512 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

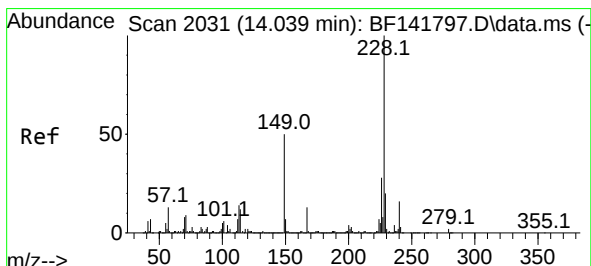
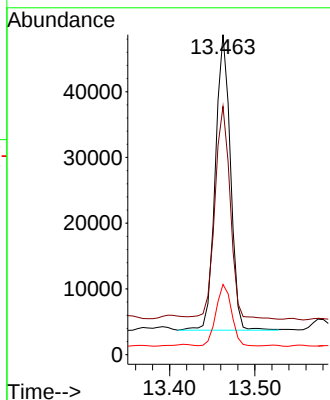
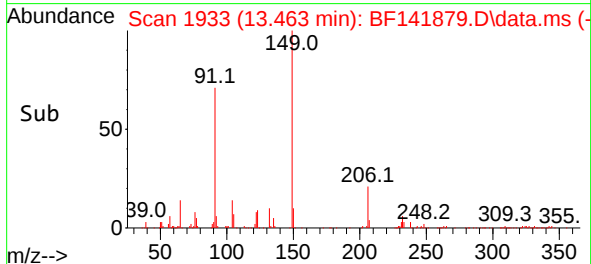
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS



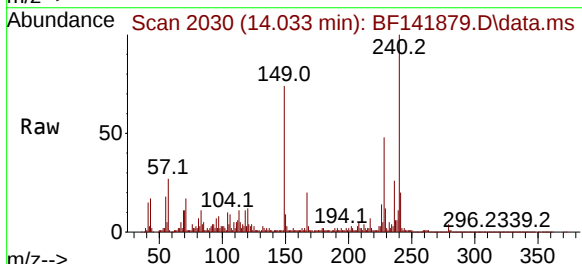
Tgt Ion:149 Resp: 5539
Ion Ratio Lower Upper
149 100
91 77.6 60.1 90.1
206 21.9 16.8 25.2

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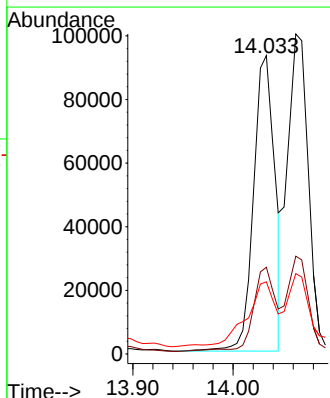
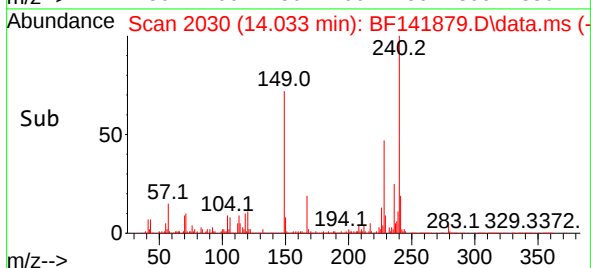
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

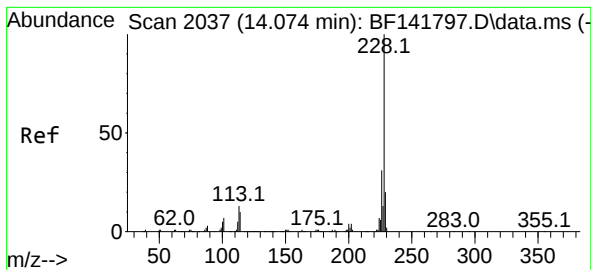


#81
Benzo(a)anthracene
Concen: 5.276 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27



Tgt Ion:228 Resp: 135994
Ion Ratio Lower Upper
228 100
226 29.1 22.1 33.1
229 24.2 16.1 24.1#





#83

Chrysene

Concen: 6.040 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

Instrument :

BNA_F

ClientSampleId :

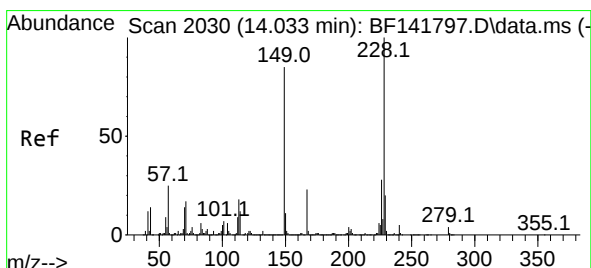
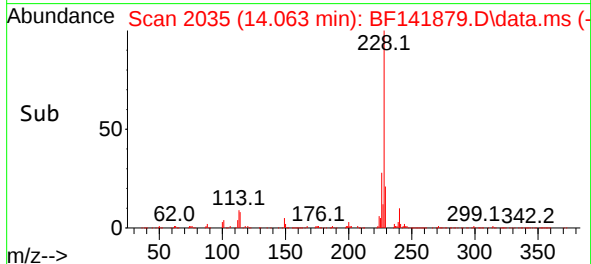
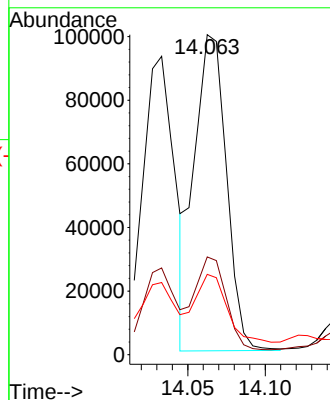
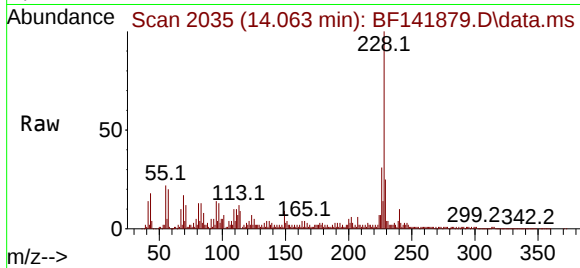
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Tgt Ion:228	Resp: 14352
Ion Ratio	Lower Upper
228 100	
226 30.5	24.6 37.0
229 25.1	16.1 24.1

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Supervised By :Jagrut Upadhyay 03/07/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 23.507 ng

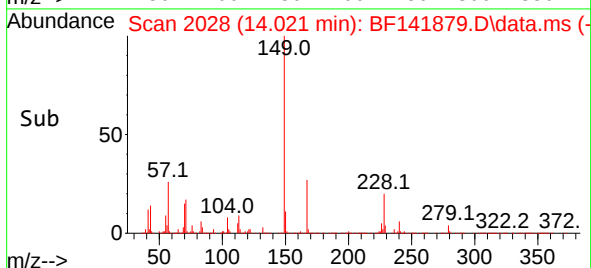
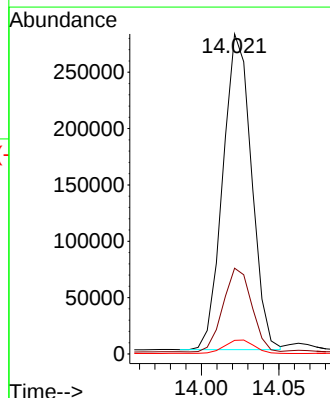
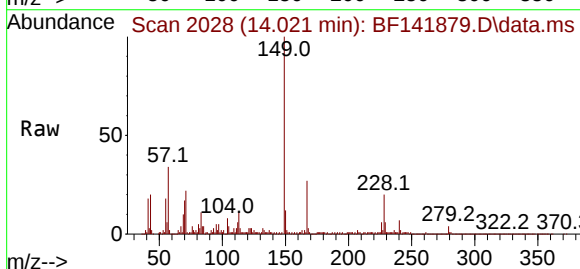
RT: 14.021 min Scan# 2028

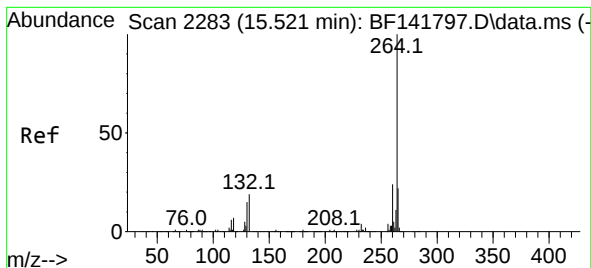
Delta R.T. -0.012 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

Tgt Ion:149	Resp: 359370
Ion Ratio	Lower Upper
149 100	
167 26.8	21.2 31.8
279 4.3	3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141879.D

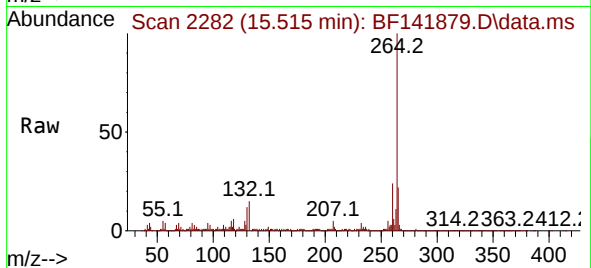
Acq: 06 Mar 2025 20:27

Instrument :

BNA_F

ClientSampleId :

CLAY-SLUDGE-DRUMS



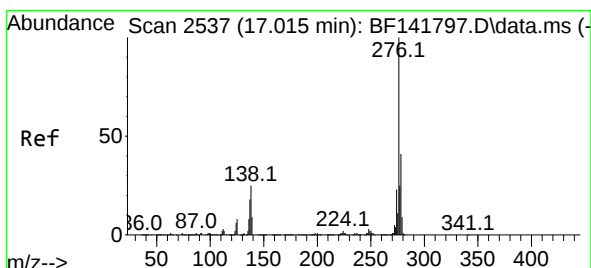
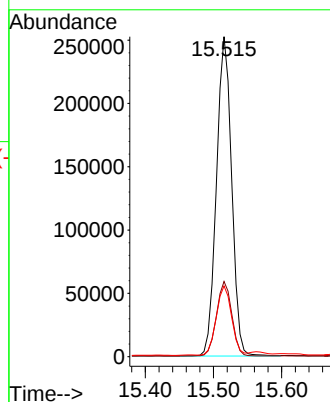
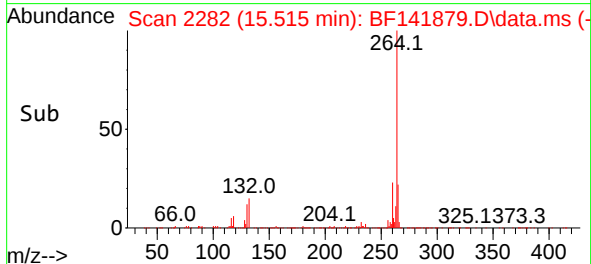
Tgt Ion:	264	Resp:	39141
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.9	28.3
265	22.1	17.4	26.0

Manual Integrations

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Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.344 ng m

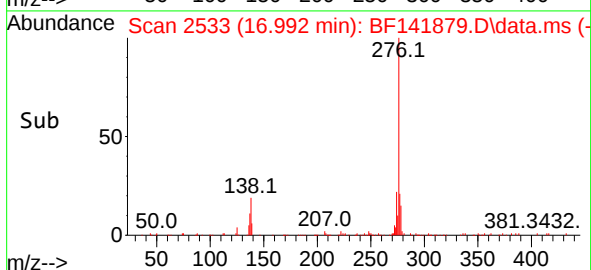
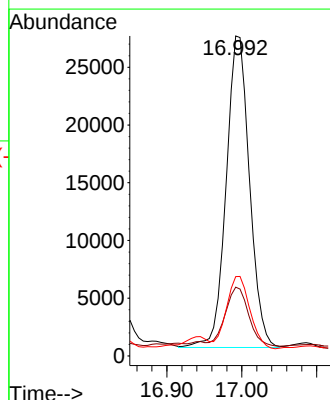
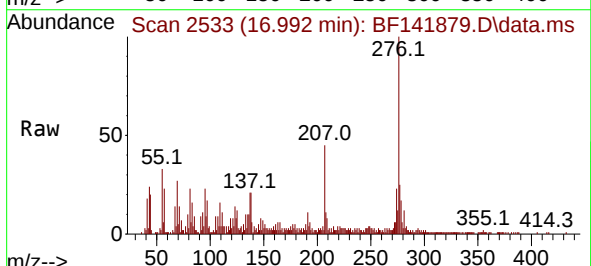
RT: 16.992 min Scan# 2533

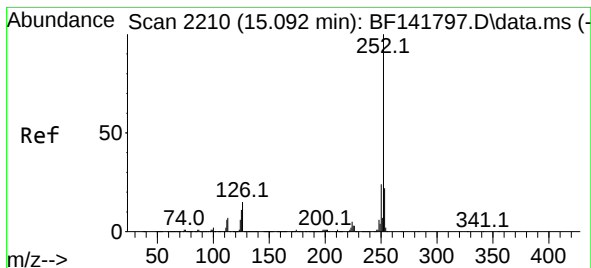
Delta R.T. -0.024 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

Tgt Ion:	276	Resp:	58424
Ion Ratio	Lower	Upper	
276	100		
138	5.5	22.5	33.7#
277	4.8	20.3	30.5#





#88

Benzo(b)fluoranthene

Concen: 6.697 ng m

RT: 15.080 min Scan# 2210

Delta R.T. -0.012 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

Instrument :

BNA_F

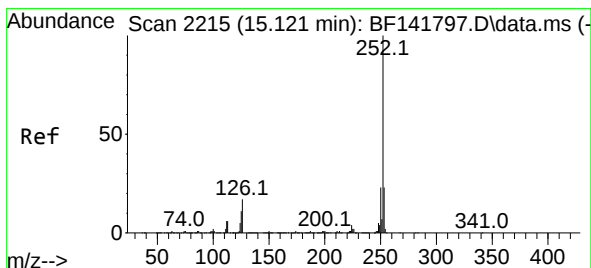
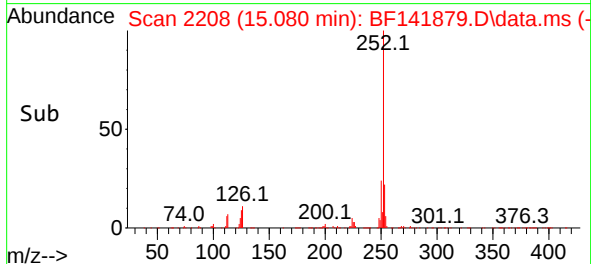
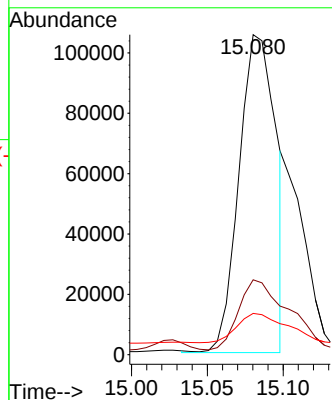
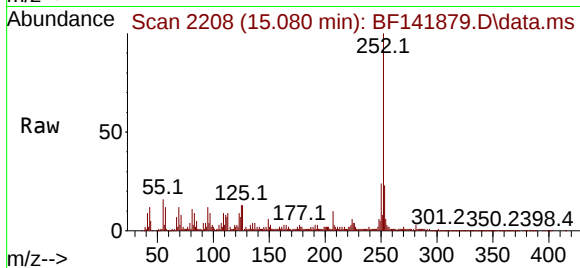
ClientSampleId :

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Tgt Ion:252 Resp: 17856
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.7 26.5
 125 12.9 8.6 13.0

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 Supervised By :Jagrut Upadhyay 03/07/2025



#89

Benzo(k)fluoranthene

Concen: 2.769 ng m

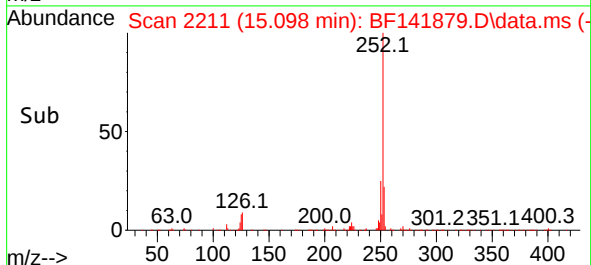
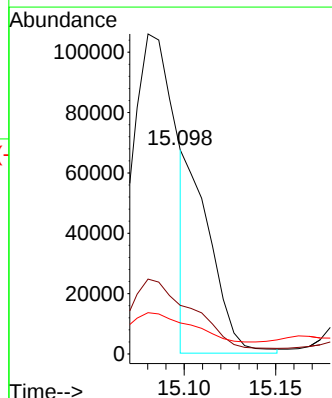
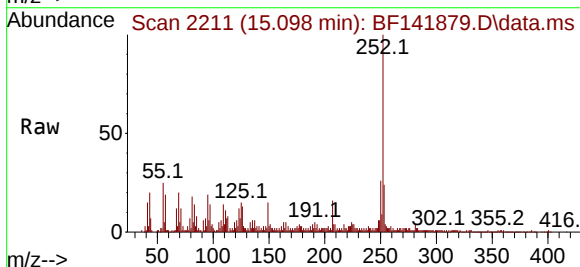
RT: 15.098 min Scan# 2211

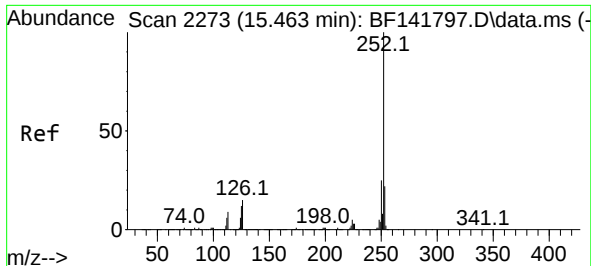
Delta R.T. -0.024 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

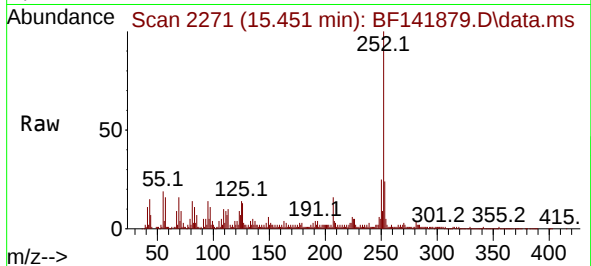
Tgt Ion:252 Resp: 62745
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.8 26.8
 125 15.2 8.8 13.2#





#90
Benzo(a)pyrene
Concen: 5.216 ng
RT: 15.451 min Scan# 21152
Delta R.T. -0.012 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

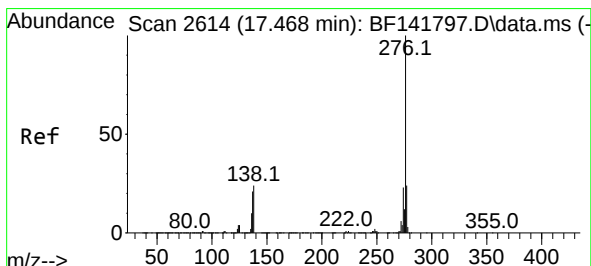
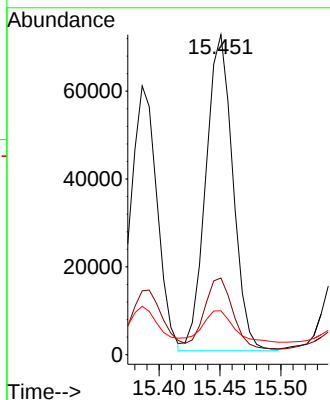
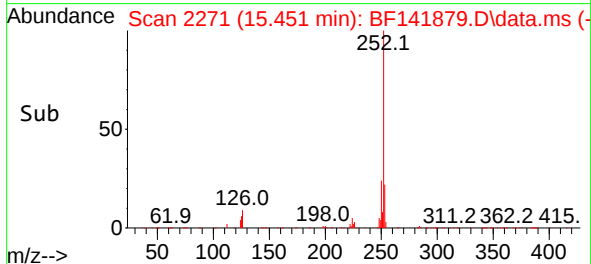
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS



Tgt Ion:252 Resp: 11152
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 13.7 9.4 14.2

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Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 2.759 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.024 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

Tgt Ion:276 Resp: 57505
Ion Ratio Lower Upper
276 100
277 25.8 19.4 29.0
138 21.6 19.3 28.9

