

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139987.D
 Acq On : 24 Oct 2024 02:06
 Operator : RC/JU
 Sample : P4486-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-102224

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 24 03:15:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	127934	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	435685	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	206696	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	363789	20.000	ng	0.00
76) Chrysene-d12	14.051	240	284385	20.000	ng	0.00
86) Perylene-d12	15.533	264	208018	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	700197	85.681	ng	0.00
7) Phenol-d6	6.510	99	824958	77.942	ng	0.00
23) Nitrobenzene-d5	7.445	82	502110	63.874	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	181033	93.636	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	846582	67.691	ng	0.00
79) Terphenyl-d14	12.998	244	984172	56.391	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	54994	3.200	ng	99
75) Fluoranthene	12.621	202	87762	5.052	ng	99
78) Pyrene	12.851	202	84510	3.395	ng	97
81) Benzo(a)anthracene	14.039	228	38883	2.100	ng	# 84
83) Chrysene	14.074	228	37261	2.195	ng	# 83
88) Benzo(b)fluoranthene	15.098	252	33812m	2.668	ng	
90) Benzo(a)pyrene	15.468	252	25612	2.456	ng	# 68

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

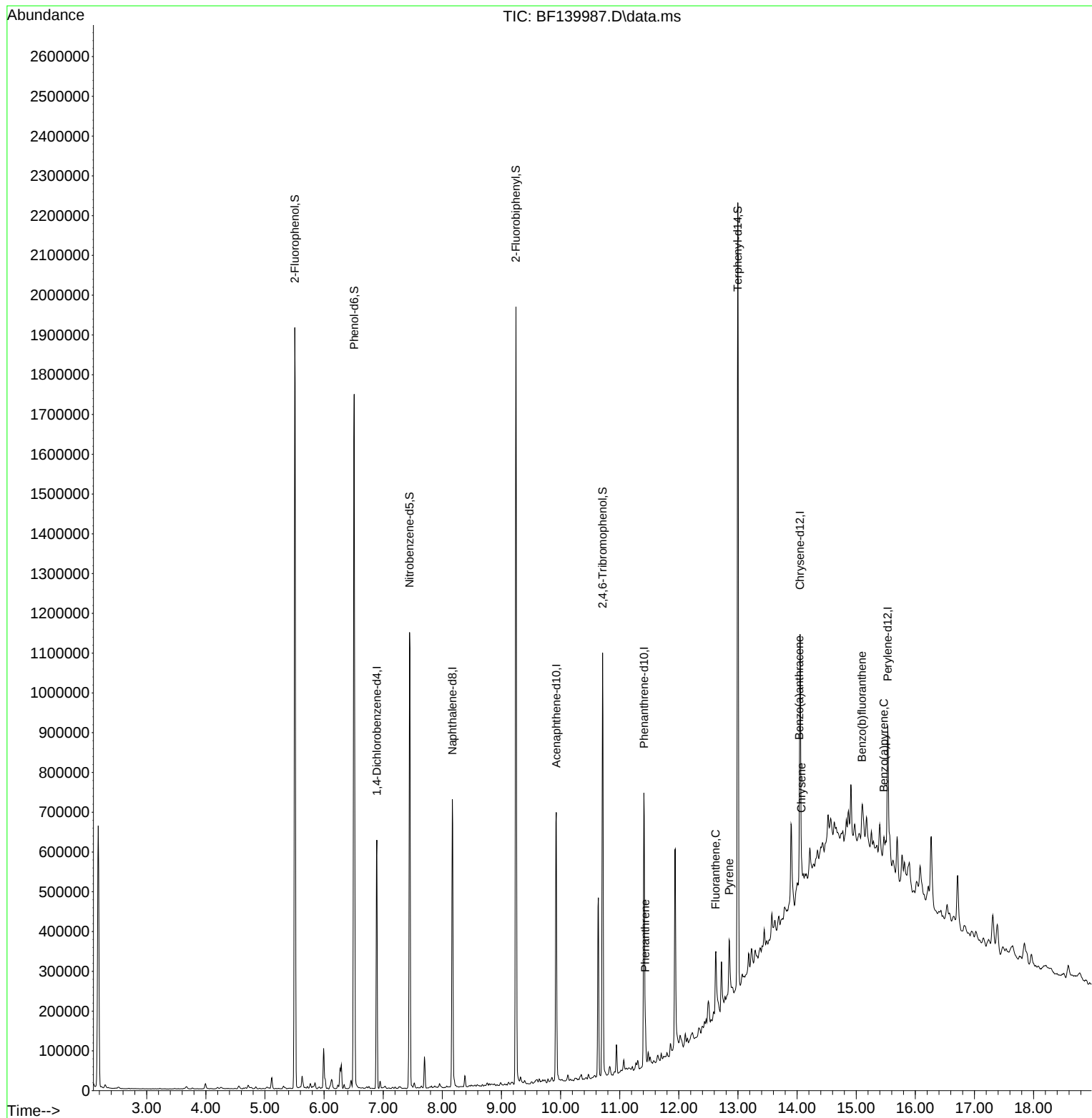
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139987.D
Acq On : 24 Oct 2024 02:06
Operator : RC/JU
Sample : P4486-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

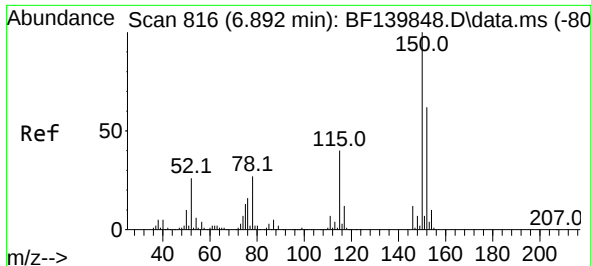
Instrument :
BNA_F
ClientSampleId :
EO-03-102224

Quant Time: Oct 24 03:15:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

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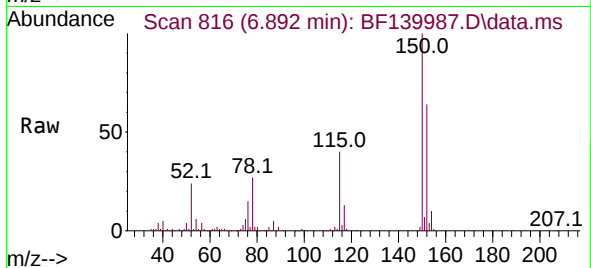
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

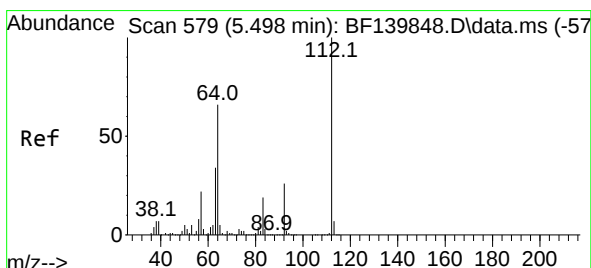
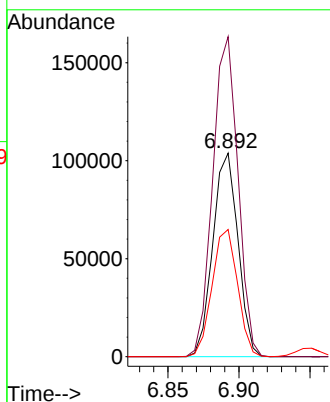
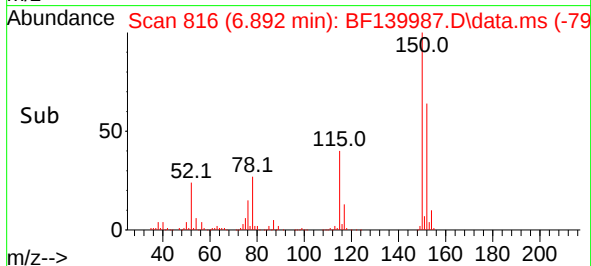
Instrument :
BNA_F
ClientSampleId :
EO-03-102224



Tgt Ion:152 Resp: 127934
Ion Ratio Lower Upper
152 100
150 157.2 130.2 195.2
115 62.5 51.4 77.2

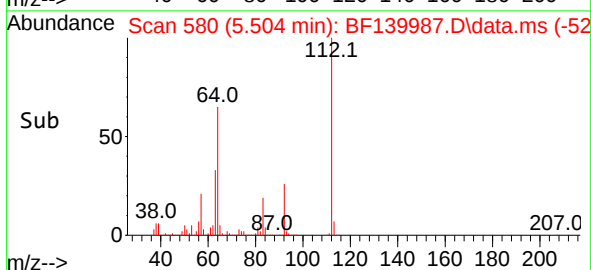
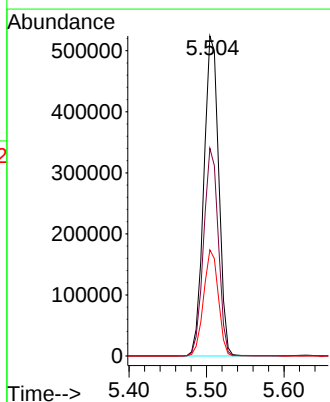
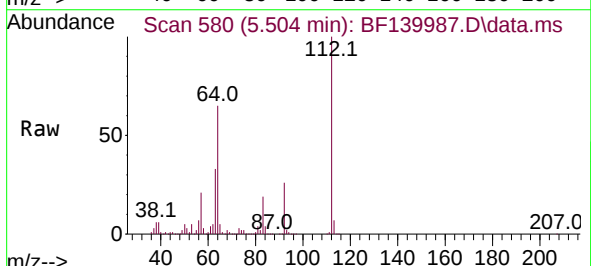
Manual Integrations
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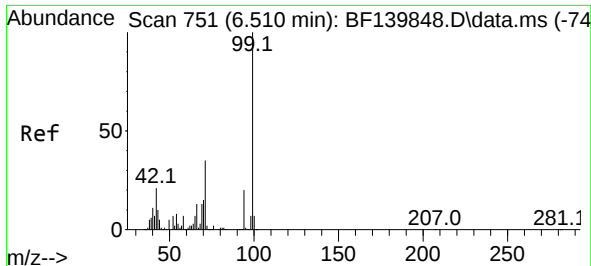
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#5
2-Fluorophenol
Concen: 85.681 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

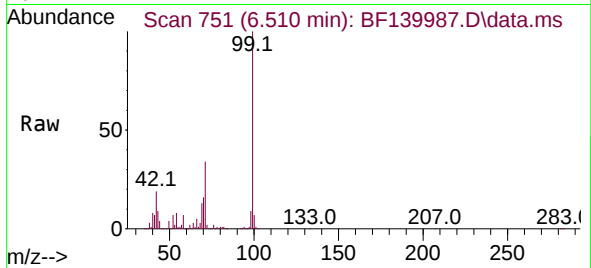
Tgt Ion:112 Resp: 700197
Ion Ratio Lower Upper
112 100
64 64.9 53.0 79.6
63 33.2 27.0 40.4





#7
Phenol-d6
Concen: 77.942 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

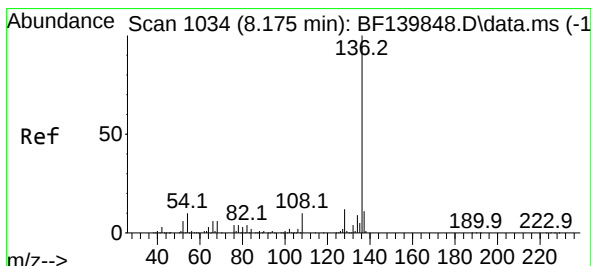
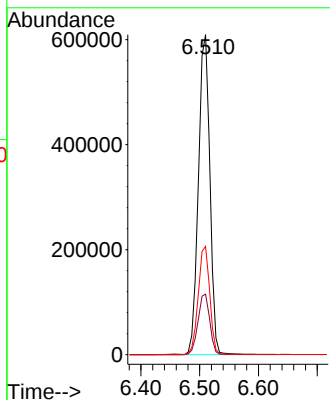
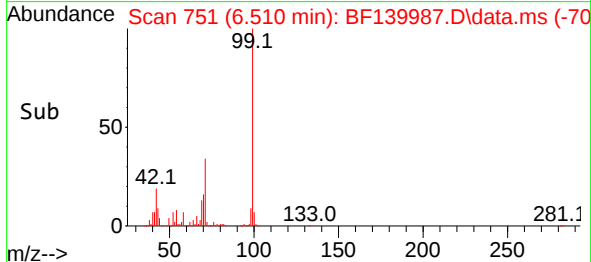
Instrument :
BNA_F
ClientSampleId :
EO-03-102224



Tgt Ion: 99 Resp: 824958
Ion Ratio Lower Upper
99 100
42 18.9 16.7 25.1
71 33.9 27.7 41.5

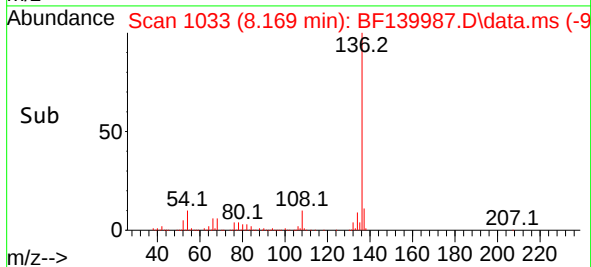
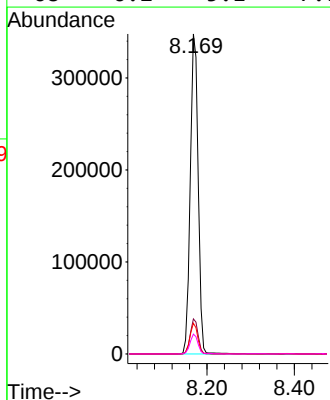
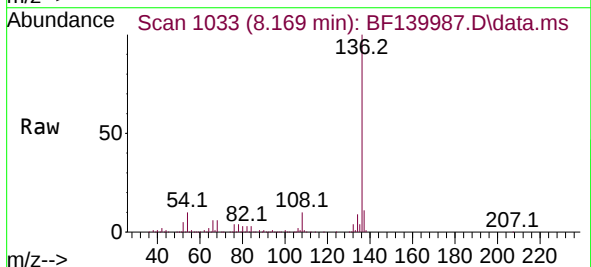
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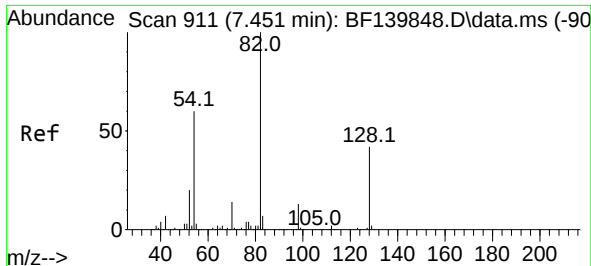
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

Tgt Ion:136 Resp: 435685
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.6 8.4 12.6
68 6.2 5.1 7.7





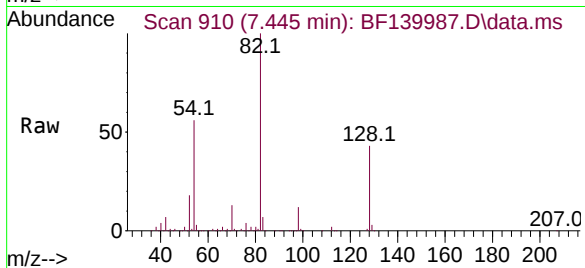
#23
Nitrobenzene-d5
Concen: 63.874 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

Instrument :

BNA_F

ClientSampleId :

EO-03-102224

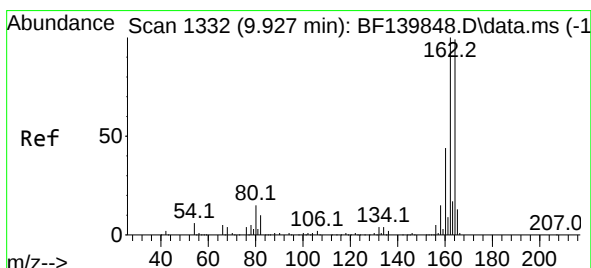
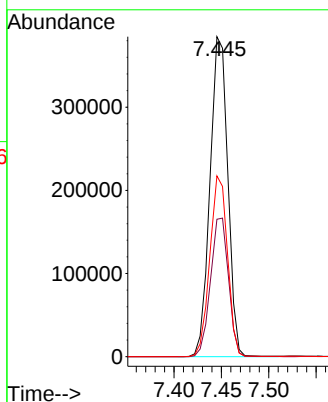
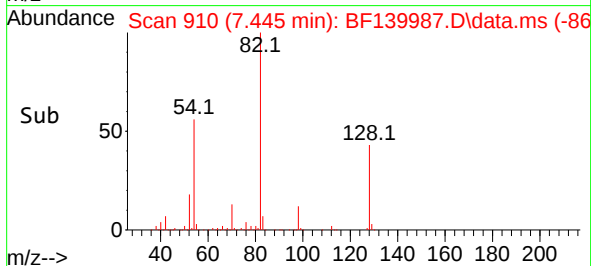


Tgt Ion: 82 Resp: 502110
Ion Ratio Lower Upper
82 100
128 43.0 33.4 50.0
54 56.5 47.8 71.8

Manual Integrations

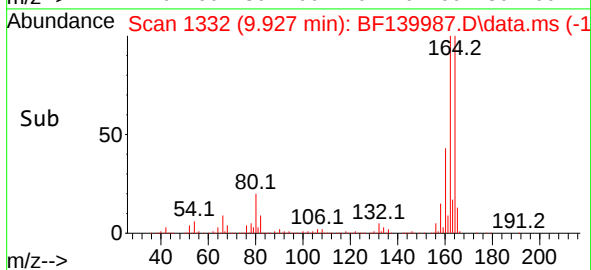
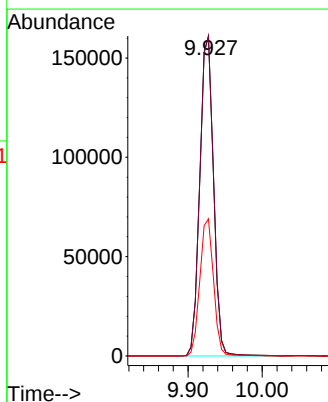
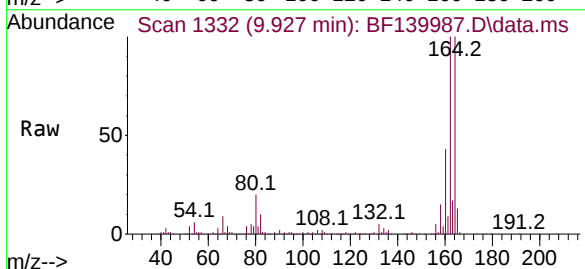
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Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

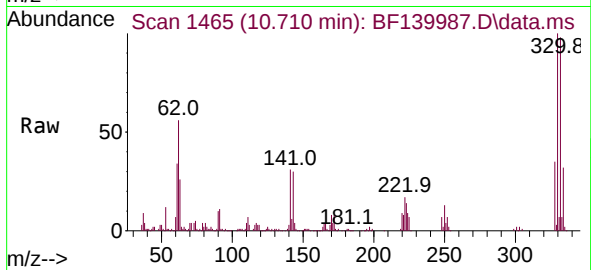
Tgt Ion:164 Resp: 206696
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.4
160 42.9 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 93.636 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

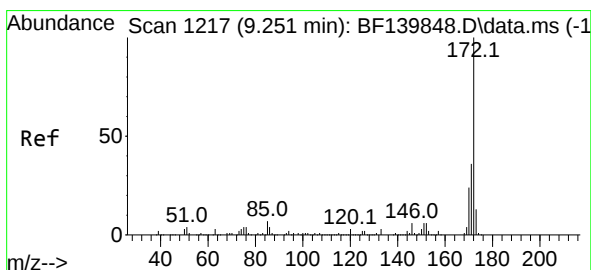
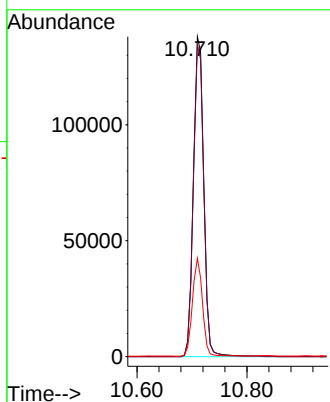
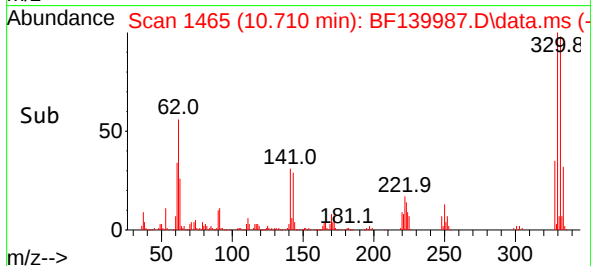
Instrument :
BNA_F
ClientSampleId :
EO-03-102224



Tgt Ion:330 Resp: 181033
Ion Ratio Lower Upper
330 100
332 97.5 78.1 117.1
141 29.5 26.6 39.8

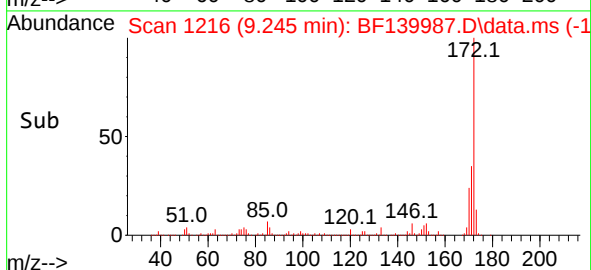
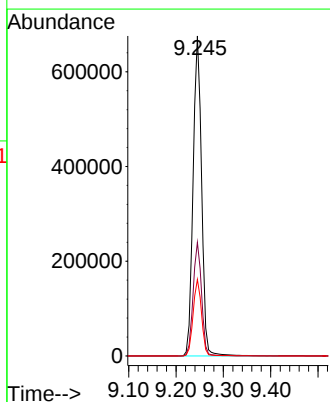
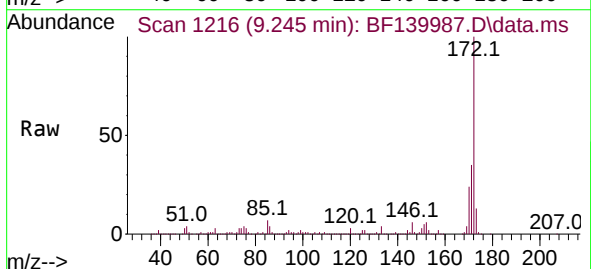
Manual Integrations
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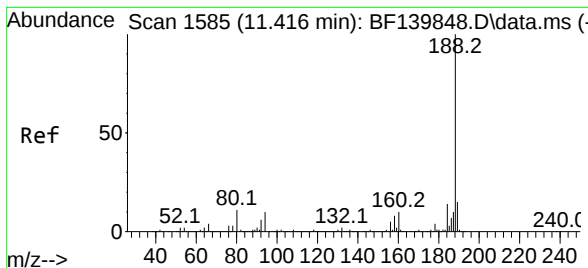
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#45
2-Fluorobiphenyl
Concen: 67.691 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

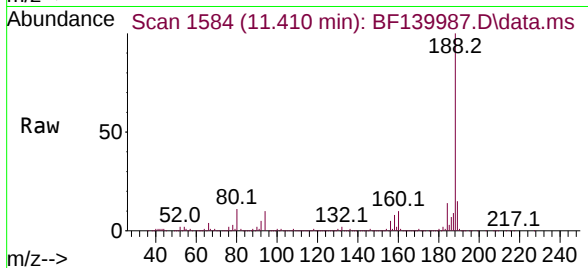
Tgt Ion:172 Resp: 846582
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.9 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

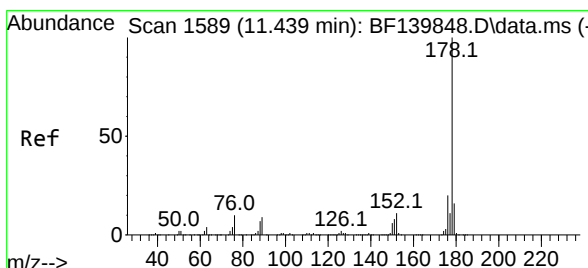
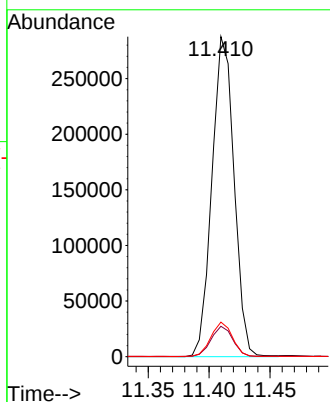
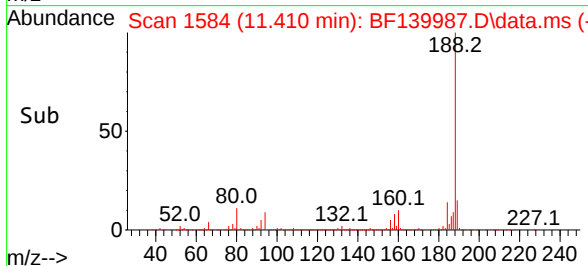
Instrument :
BNA_F
ClientSampleId :
EO-03-102224



Tgt Ion:188 Resp: 363789
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.8 9.0 13.4

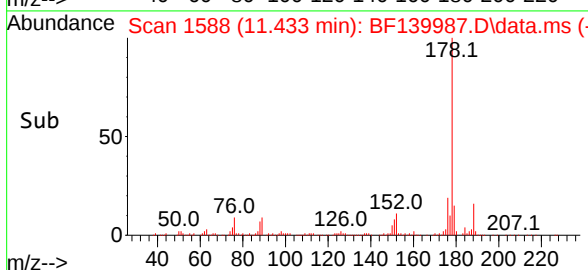
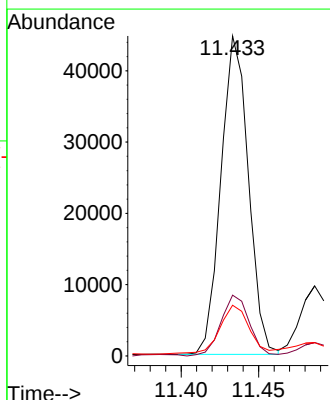
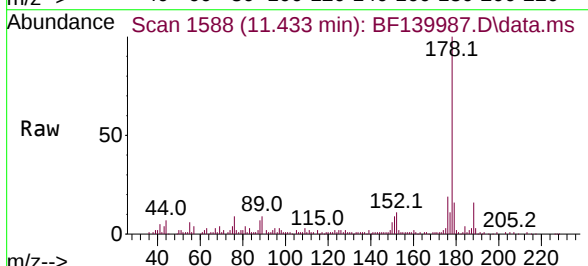
Manual Integrations
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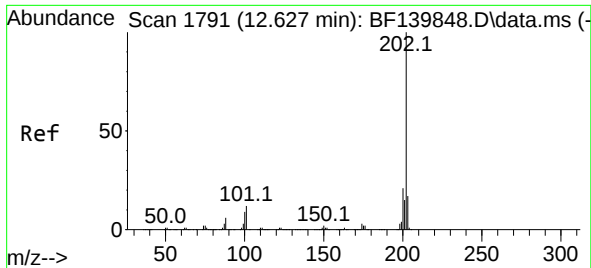
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#71
Phenanthrene
Concen: 3.200 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

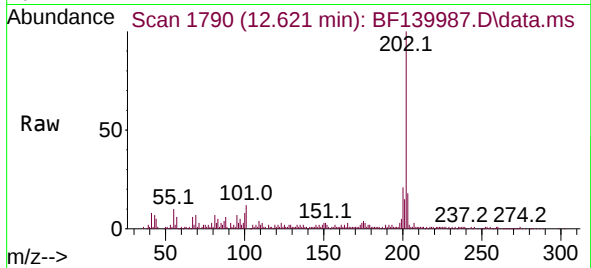
Tgt Ion:178 Resp: 54994
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.9 12.6 18.8





#75
Fluoranthene
Concen: 5.052 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

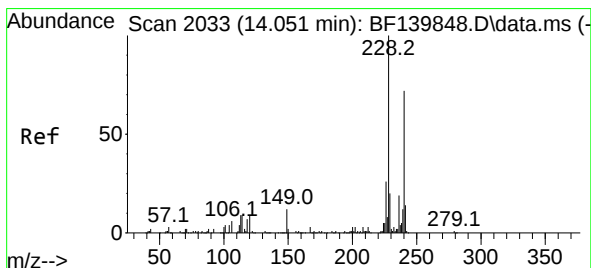
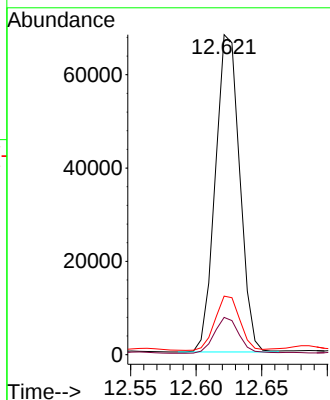
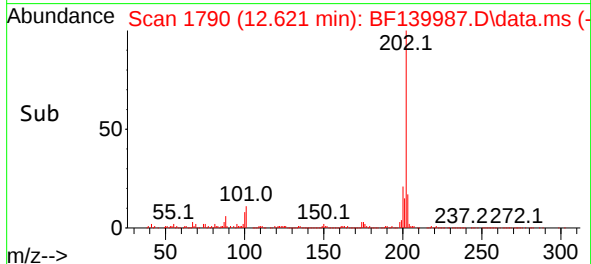
Instrument :
BNA_F
ClientSampleId :
EO-03-102224



Tgt Ion:202 Resp: 87762
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.9
203 18.3 0.0 37.5

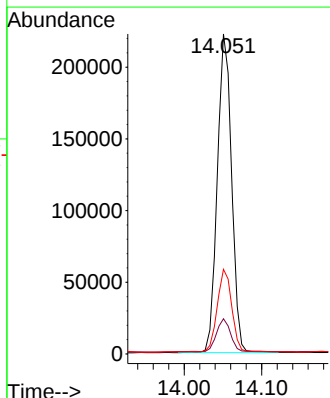
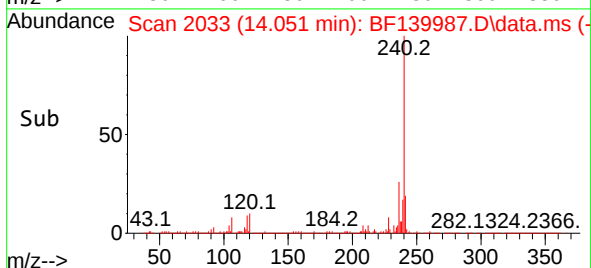
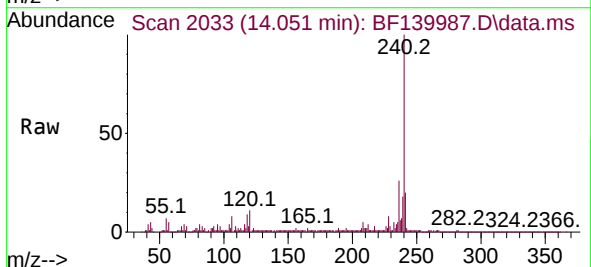
Manual Integrations
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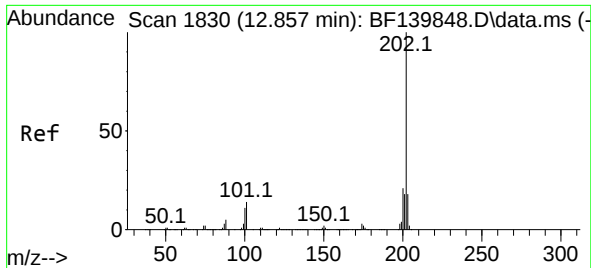
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

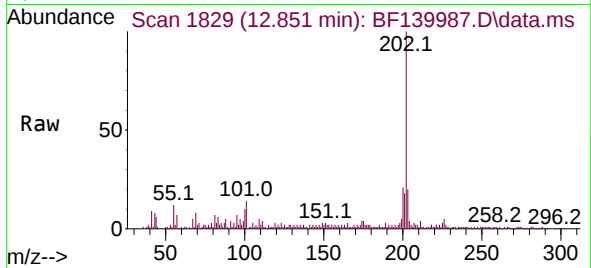
Tgt Ion:240 Resp: 284385
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 26.4 20.9 31.3





#78
Pyrene
Concen: 3.395 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

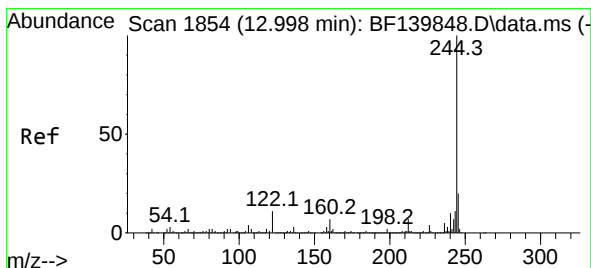
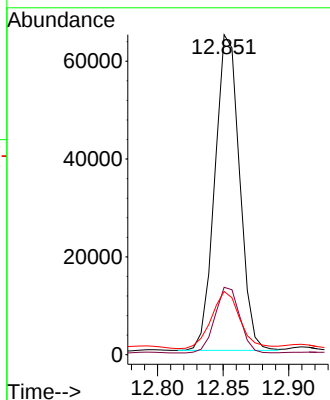
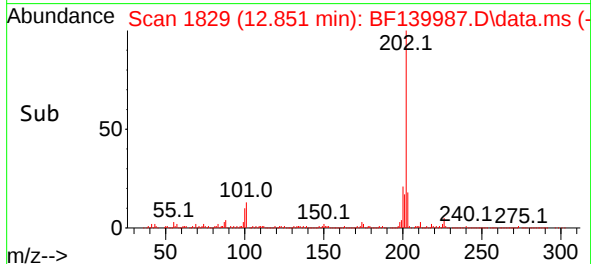
Instrument :
BNA_F
ClientSampleId :
EO-03-102224



Tgt Ion:202 Resp: 84510
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 19.8 14.2 21.4

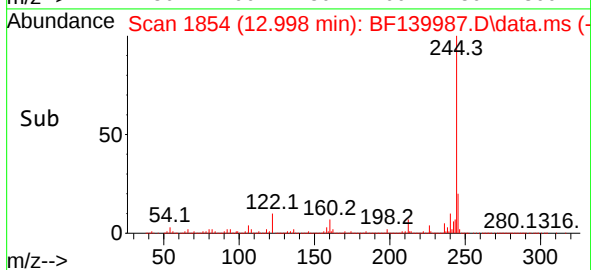
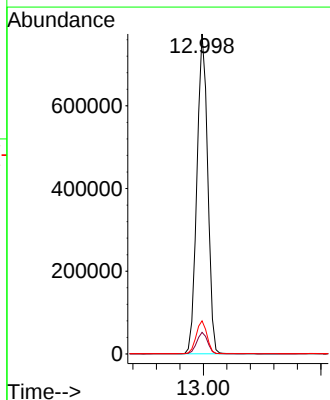
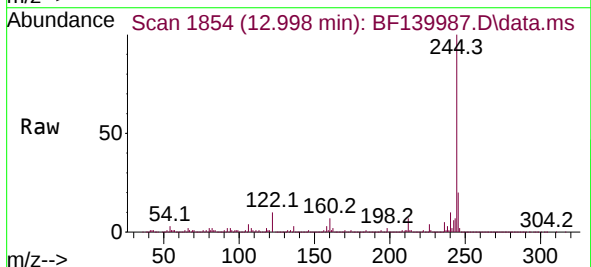
Manual Integrations
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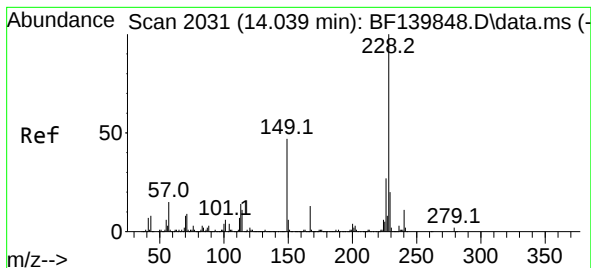
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#79
Terphenyl-d14
Concen: 56.391 ng
RT: 12.998 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

Tgt Ion:244 Resp: 984172
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 10.4 8.6 13.0





#81

Benzo(a)anthracene

Concen: 2.100 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139987.D

Acq: 24 Oct 2024 02:06

Instrument :

BNA_F

ClientSampleId :

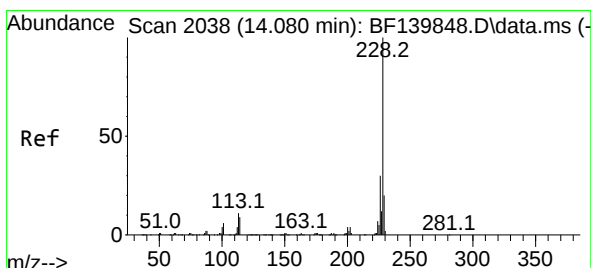
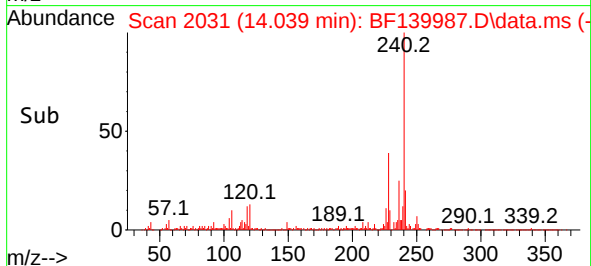
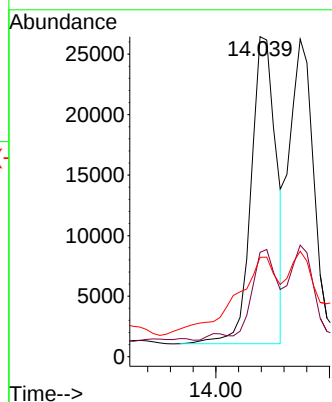
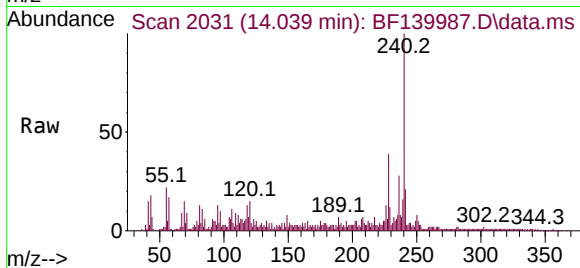
EO-03-102224

Tgt Ion:	228	Resp:	3888
Ion Ratio	Lower	Upper	
228	100		
226	32.6	21.6	32.4
229	31.1	16.1	24.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#83

Chrysene

Concen: 2.195 ng

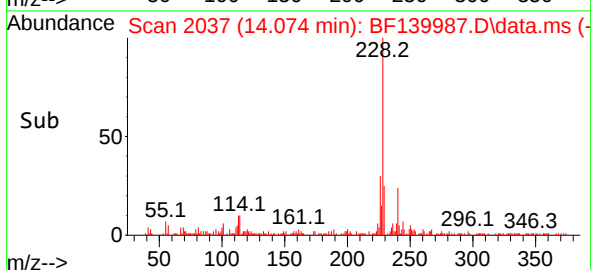
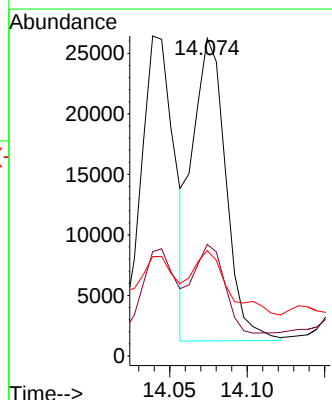
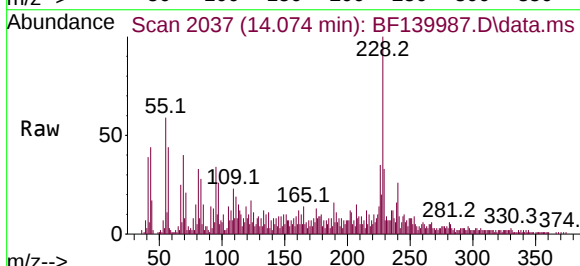
RT: 14.074 min Scan# 2037

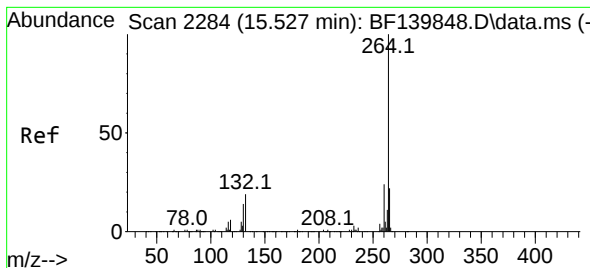
Delta R.T. -0.006 min

Lab File: BF139987.D

Acq: 24 Oct 2024 02:06

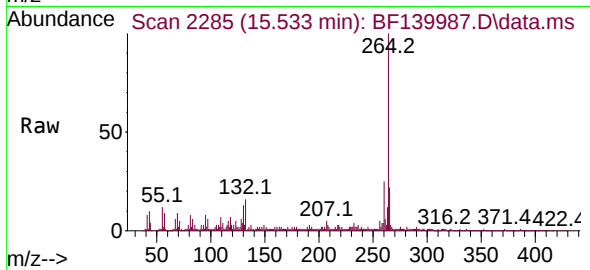
Tgt Ion:	228	Resp:	37261
Ion Ratio	Lower	Upper	
228	100		
226	35.1	24.1	36.1
229	33.2	15.8	23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

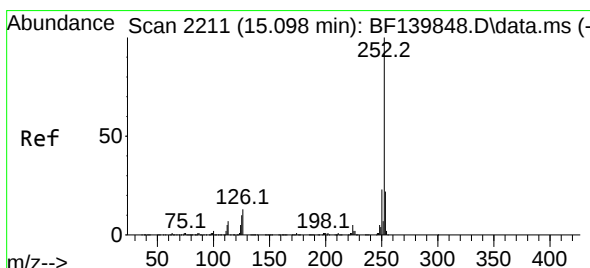
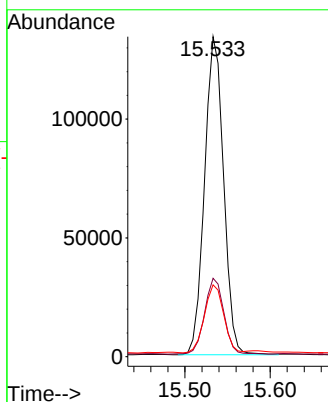
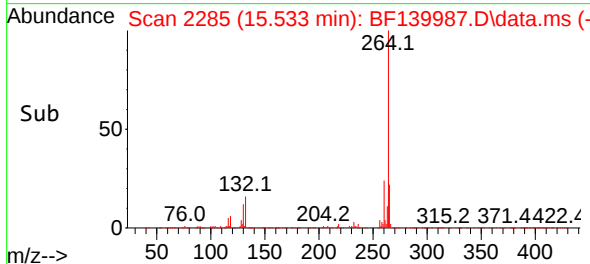
Instrument :
BNA_F
ClientSampleId :
EO-03-102224



Tgt Ion:264 Resp: 208018
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.2
265 22.5 17.4 26.0

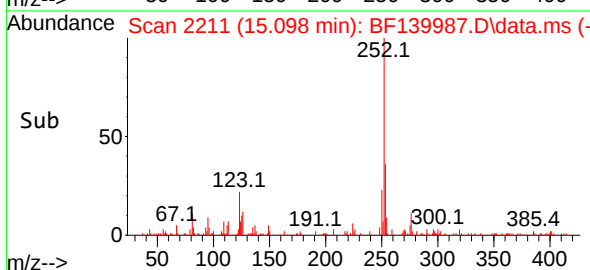
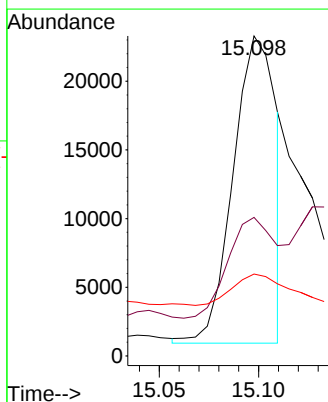
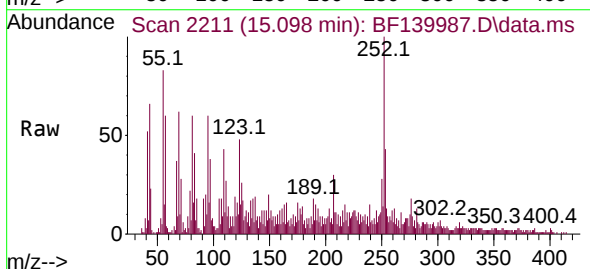
Manual Integrations
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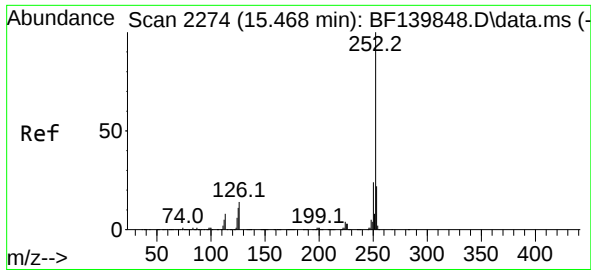
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#88
Benzo(b)fluoranthene
Concen: 2.668 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

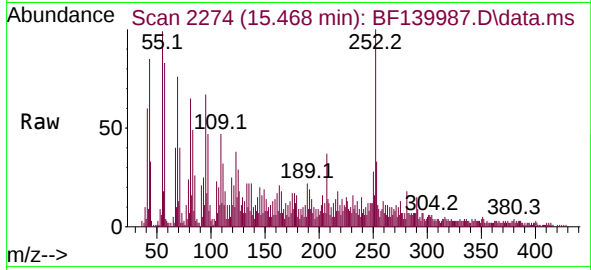
Tgt Ion:252 Resp: 33812
Ion Ratio Lower Upper
252 100
253 43.3 17.6 26.4#
125 25.6 7.9 11.9#





#90
Benzo(a)pyrene
Concen: 2.456 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

Instrument :
BNA_F
ClientSampleId :
EO-03-102224



Tgt Ion: 252 Resp: 2561

Ion	Ratio	Lower	Upper
252	100		
253	32.6	17.3	25.9
125	29.2	8.7	13.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

