

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092922\
 Data File : BF130474.D
 Acq On : 29 Sep 2022 19:16
 Operator : CG\JU
 Sample : N4868-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-349-ETGI

Quant Time: Sep 30 03:09:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/30/2022
 Supervised By : Jagrut Upadhyay 09/30/2022

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

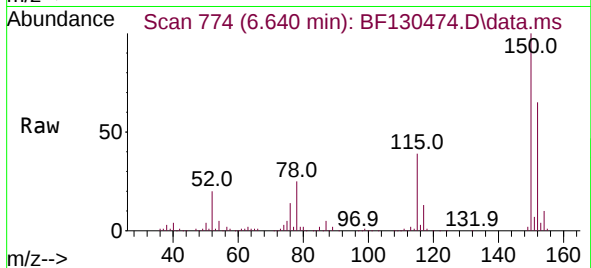
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.640	152	91808	20.000	ng	0.00
21) Naphthalene-d8	7.922	136	330871	20.000	ng	# 0.00
39) Acenaphthene-d10	9.669	164	160015	20.000	ng	-0.01
64) Phenanthrene-d10	11.151	188	226186	20.000	ng	# 0.00
76) Chrysene-d12	13.780	240	156416	20.000	ng	-0.01
86) Perylene-d12	15.168	264	195838	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	669286	126.444	ng	0.00
7) Phenol-d6	6.287	99	812939	122.745	ng	0.00
23) Nitrobenzene-d5	7.204	82	527573	81.460	ng	-0.01
42) 2,4,6-Tribromophenol	10.457	330	177906	116.032	ng	-0.01
45) 2-Fluorobiphenyl	8.998	172	953737	86.793	ng	-0.01
79) Terphenyl-d14	12.733	244	696191	73.729	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.175	178	68155	5.367	ng	99
75) Fluoranthene	12.357	202	171642	13.988	ng	97
78) Pyrene	12.586	202	147777	10.800	ng	98
81) Benzo(a)anthracene	13.768	228	93025	8.940	ng	99
83) Chrysene	13.804	228	84622	8.565	ng	95
84) Bis(2-ethylhexyl)phtha...	13.774	149	64595	11.125	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.480	276	66763m	4.807	ng	
88) Benzo(b)fluoranthene	14.780	252	142779m	11.170	ng	
89) Benzo(k)fluoranthene	14.804	252	39557m	3.146	ng	
90) Benzo(a)pyrene	15.110	252	88132	8.703	ng	96
92) Benzo(g,h,i)perylene	16.874	276	64652	5.633	ng	96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.640 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

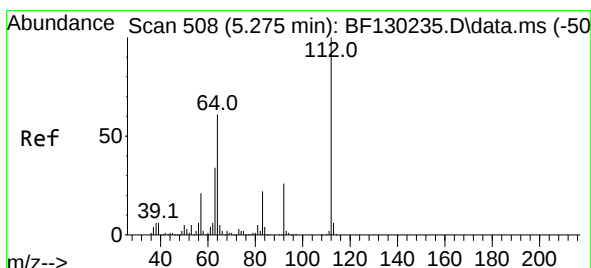
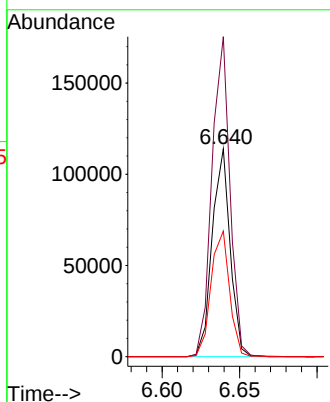
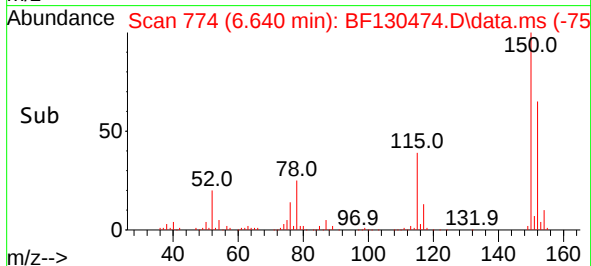
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-349-ETGI



Tgt Ion:152 Resp: 91808
Ion Ratio Lower Upper
152 100
150 154.1 122.8 184.2
115 60.5 53.8 80.8

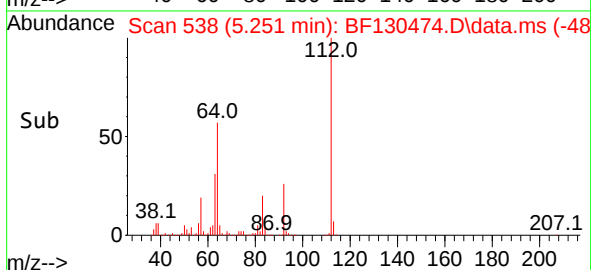
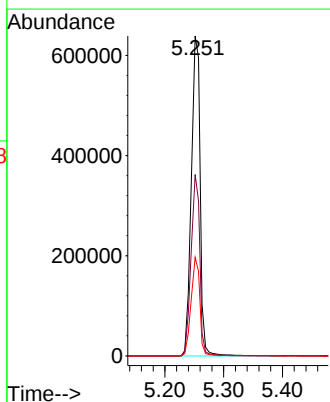
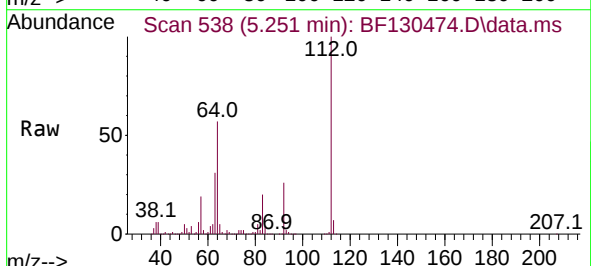
Manual Integrations
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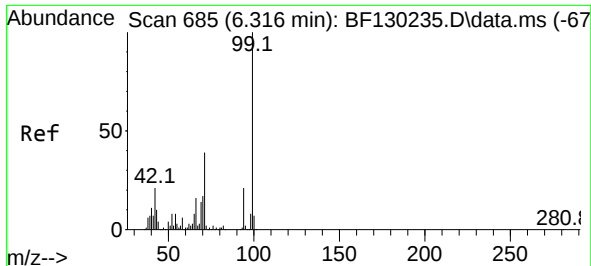
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#5
2-Fluorophenol
Concen: 126.444 ng
RT: 5.251 min Scan# 538
Delta R.T. 0.006 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

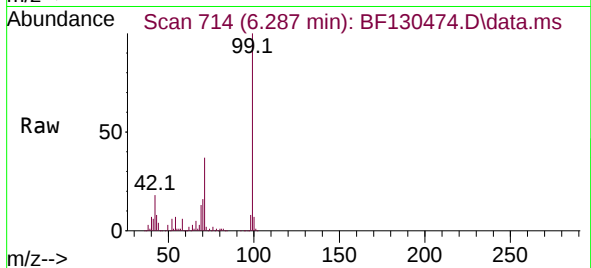
Tgt Ion:112 Resp: 669286
Ion Ratio Lower Upper
112 100
64 56.7 51.4 77.0
63 30.8 28.8 43.2





#7
Phenol-d6
Concen: 122.745 ng
RT: 6.287 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

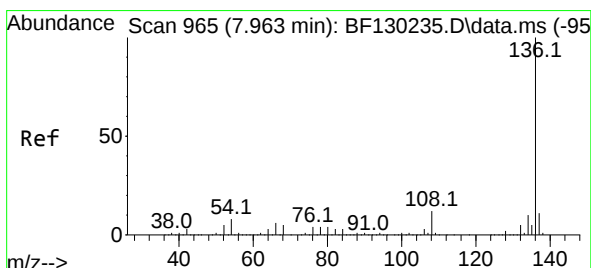
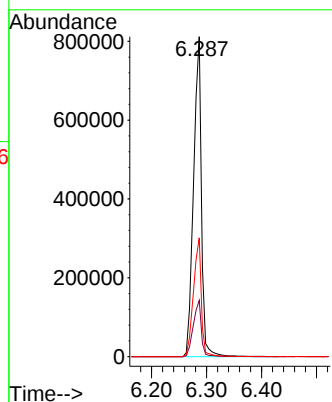
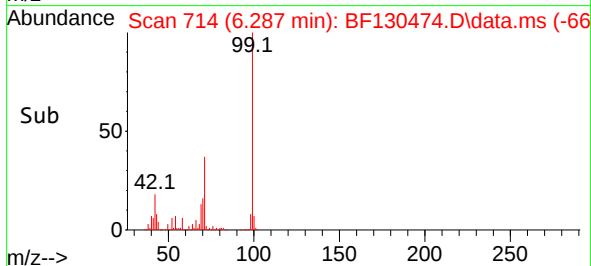
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-349-ETGI



Tgt Ion: 99 Resp: 812939
Ion Ratio Lower Upper
99 100
42 17.6 17.0 25.6
71 37.1 32.3 48.5

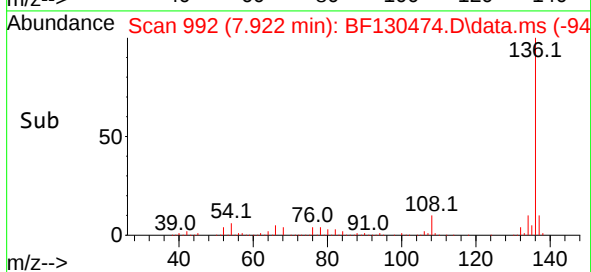
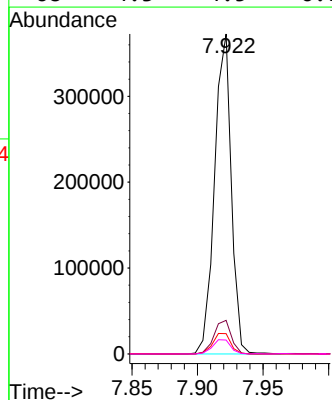
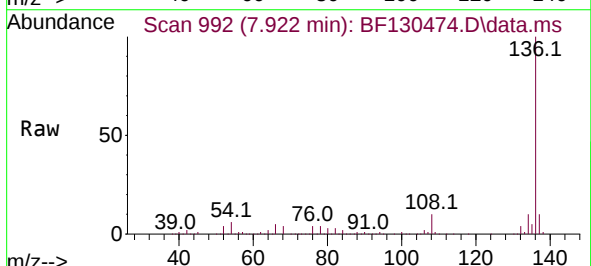
Manual Integrations
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Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.922 min Scan# 992
Delta R.T. -0.006 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

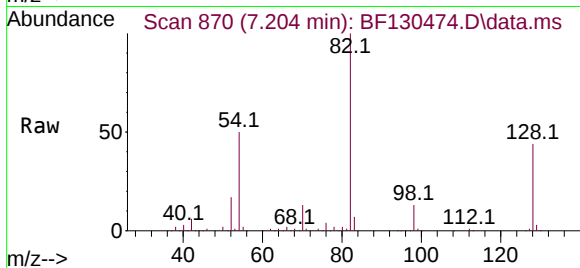
Tgt Ion:136 Resp: 330871
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 6.3 7.1 10.7#
68 4.3 4.5 6.7#





#23
Nitrobenzene-d5
Concen: 81.460 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

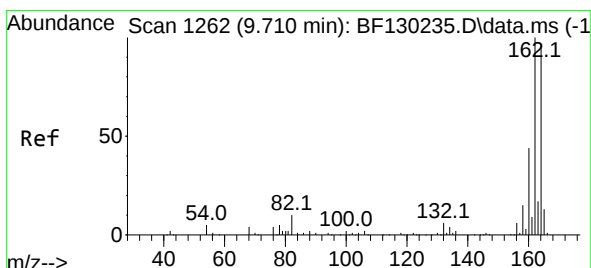
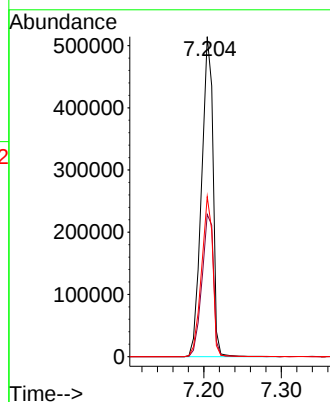
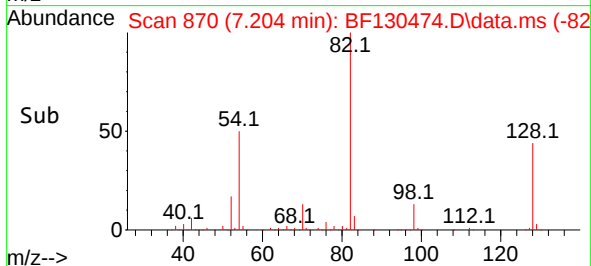
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-349-ETGI



Tgt Ion: 82 Resp: 527573
Ion Ratio Lower Upper
82 100
128 44.4 32.6 49.0
54 50.0 43.8 65.6

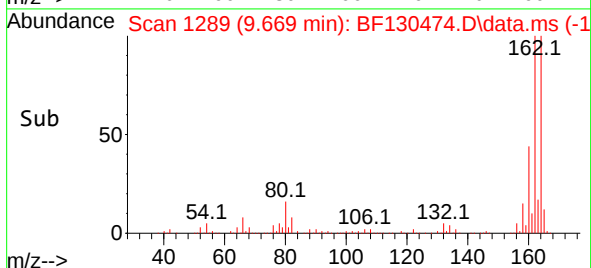
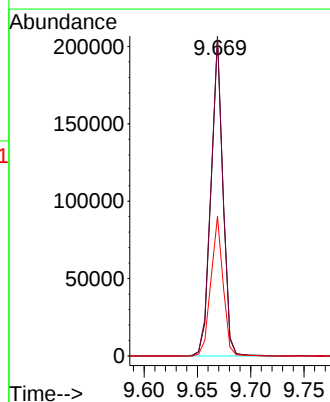
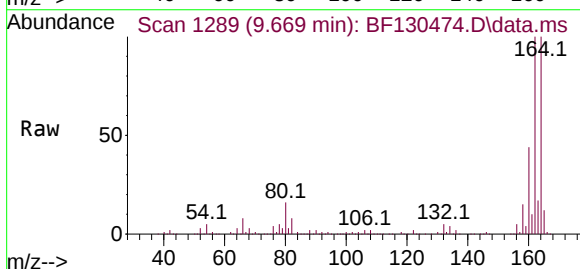
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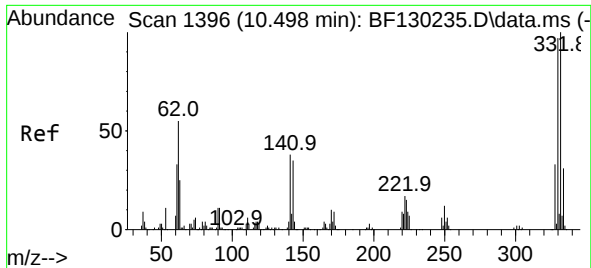
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

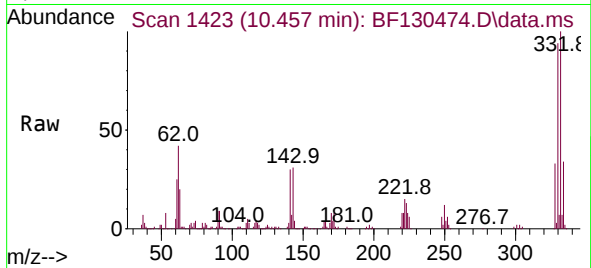
Tgt Ion:164 Resp: 160015
Ion Ratio Lower Upper
164 100
162 99.8 81.4 122.0
160 43.6 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 116.032 ng
RT: 10.457 min Scan# 141
Delta R.T. -0.012 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

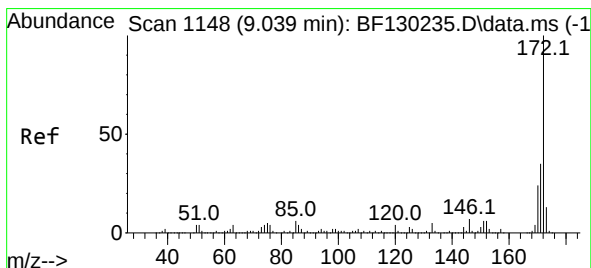
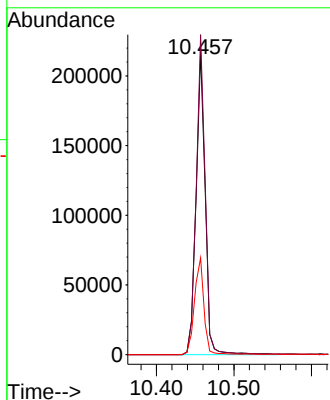
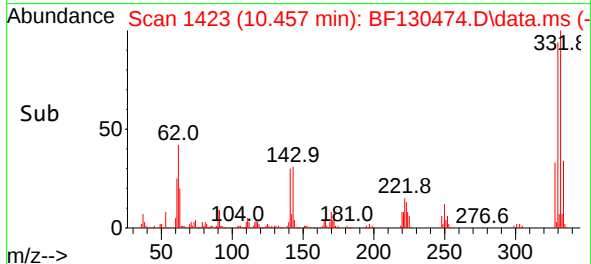
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-349-ETGI



Tgt Ion: 330 Resp: 177906
Ion Ratio Lower Upper
330 100
332 104.0 83.4 125.2
141 33.1 34.0 51.0

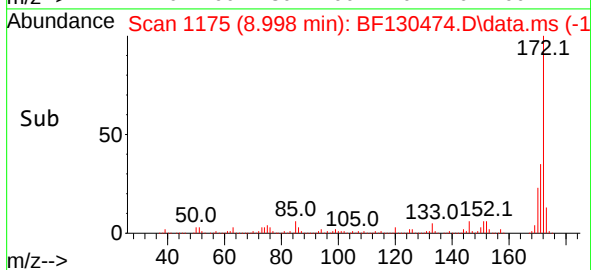
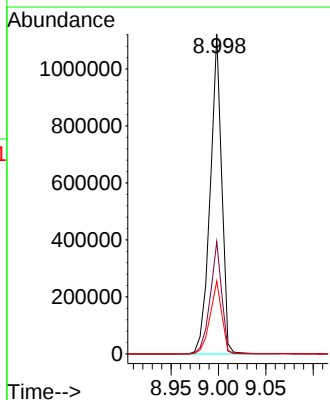
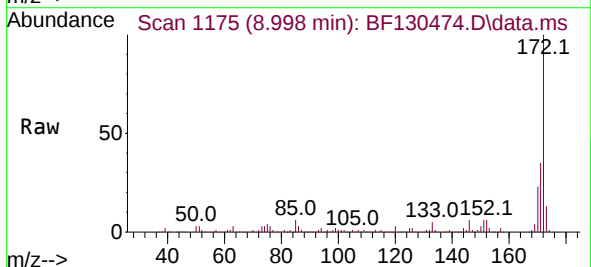
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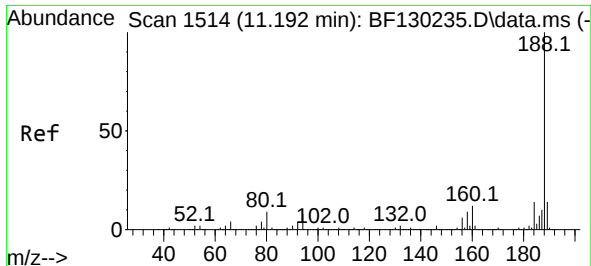
Reviewed By : Christian Giraldo 09/30/2022
Supervised By : Jagrut Upadhyay 09/30/2022



#45
2-Fluorobiphenyl
Concen: 86.793 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

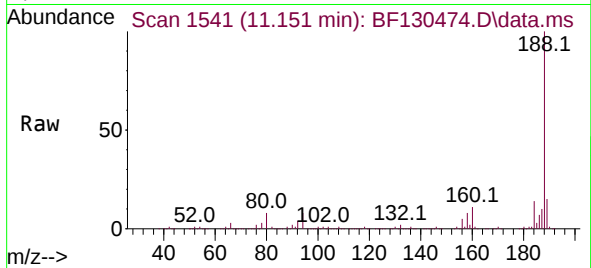
Tgt Ion: 172 Resp: 953737
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 22.8 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

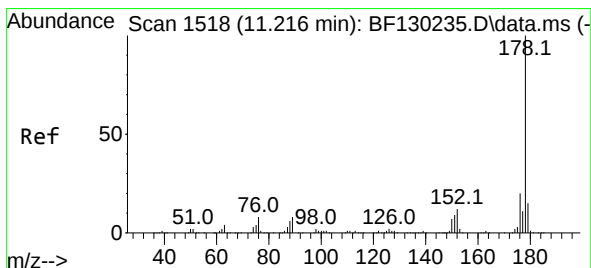
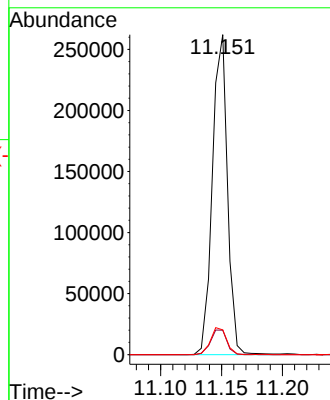
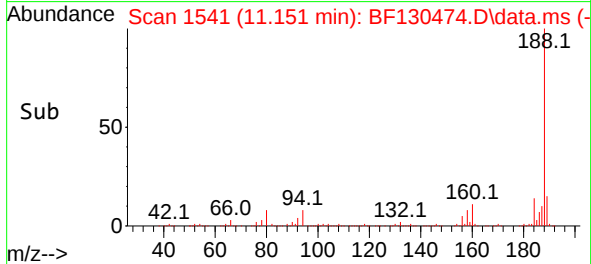
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-349-ETGI



Tgt Ion:188 Resp: 226186
Ion Ratio Lower Upper
188 100
94 7.6 7.4 11.2
80 7.7 7.9 11.9

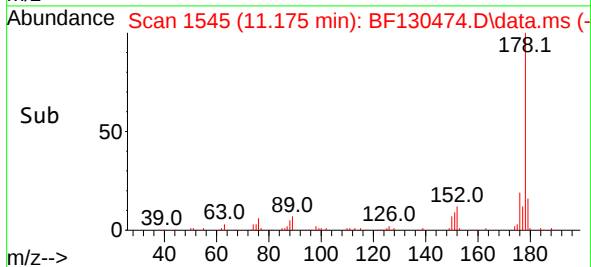
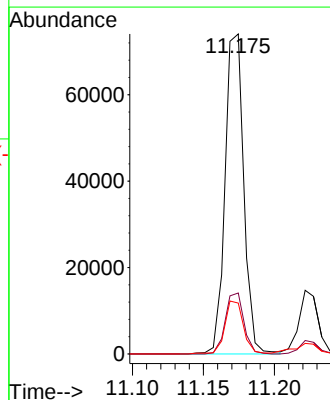
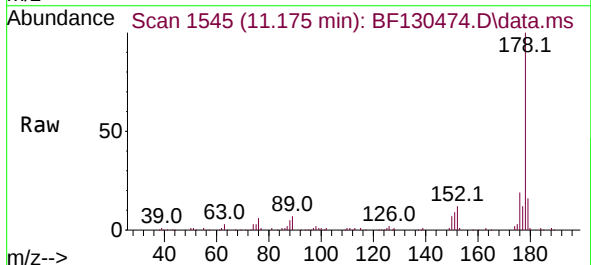
Manual Integrations
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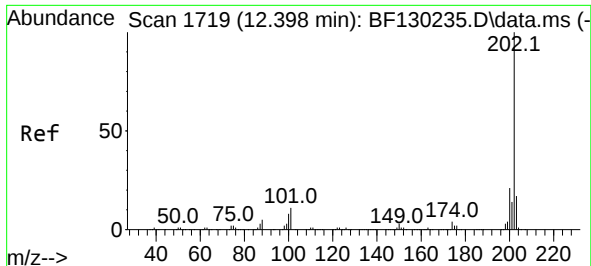
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#71
Phenanthrene
Concen: 5.367 ng
RT: 11.175 min Scan# 1545
Delta R.T. -0.012 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

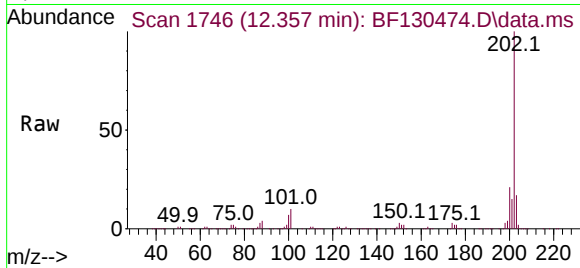
Tgt Ion:178 Resp: 68155
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.9 12.4 18.6





#75
Fluoranthene
Concen: 13.988 ng
RT: 12.357 min Scan# 17164
Delta R.T. -0.012 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

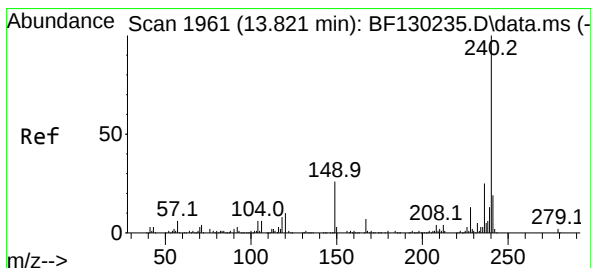
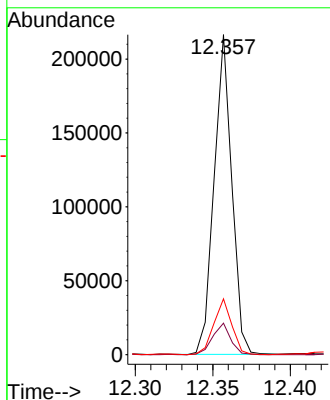
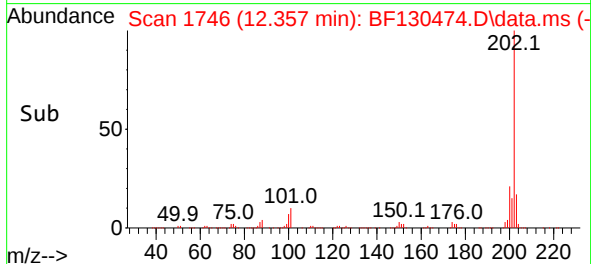
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-349-ETGI



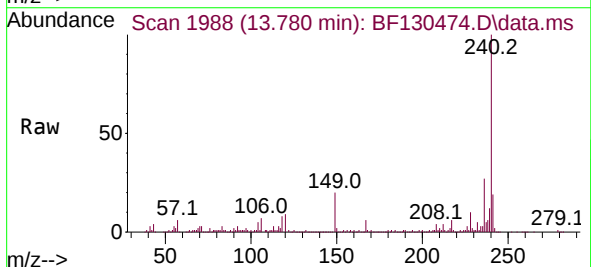
Tgt Ion:202 Resp: 17164
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.8
203 17.4 0.0 37.8

Manual Integrations
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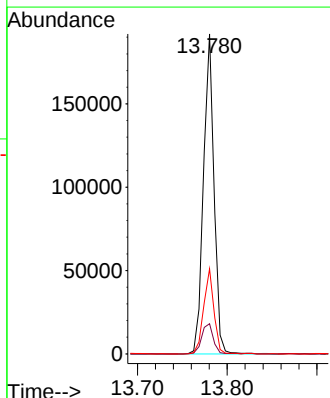
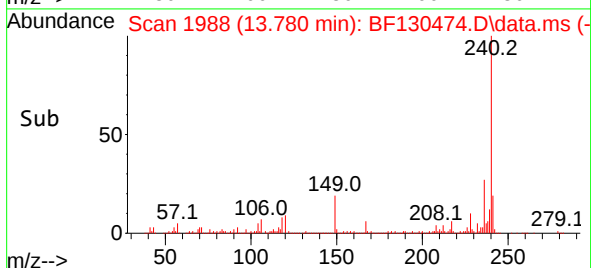
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022

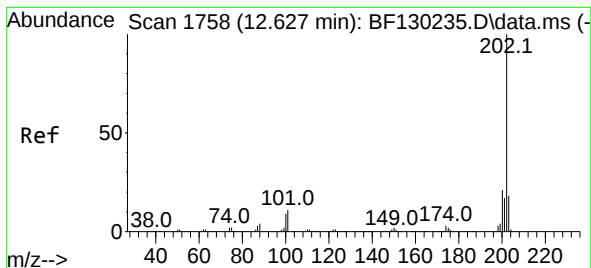


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.780 min Scan# 1988
Delta R.T. -0.012 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16



Tgt Ion:240 Resp: 156416
Ion Ratio Lower Upper
240 100
120 9.4 8.7 13.1
236 26.6 20.9 31.3





#78

Pyrene

Concen: 10.800 ng

RT: 12.586 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130474.D

Acq: 29 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-349-ETGI

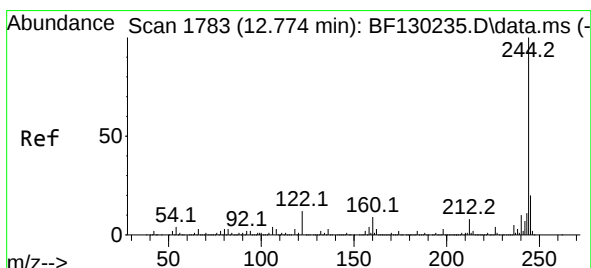
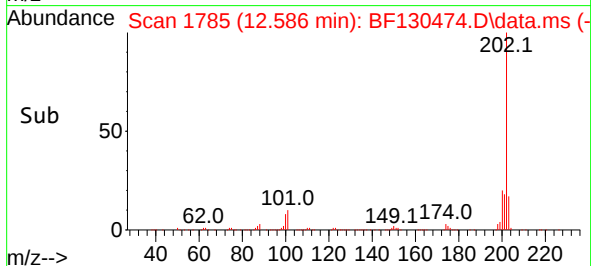
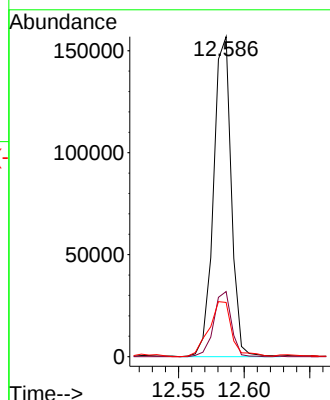
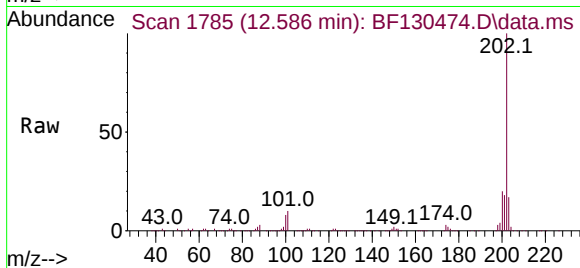
Tgt Ion:	202	Resp:	14777
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.2	25.8
203	16.9	14.3	21.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/30/2022



#79

Terphenyl-d14

Concen: 73.729 ng

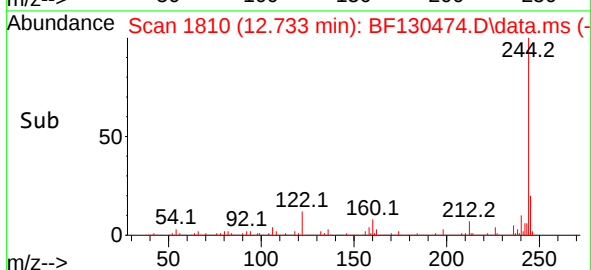
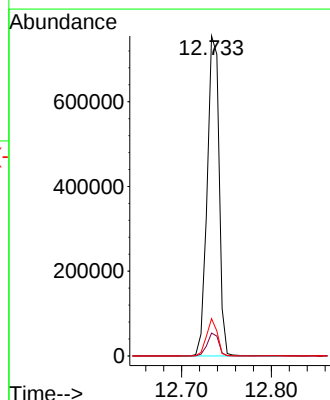
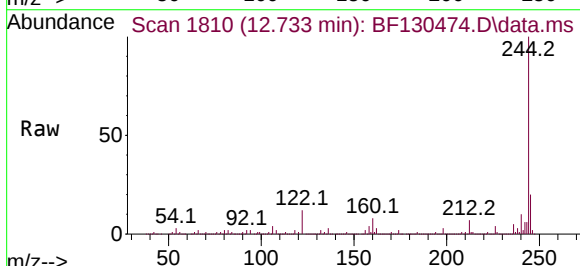
RT: 12.733 min Scan# 1810

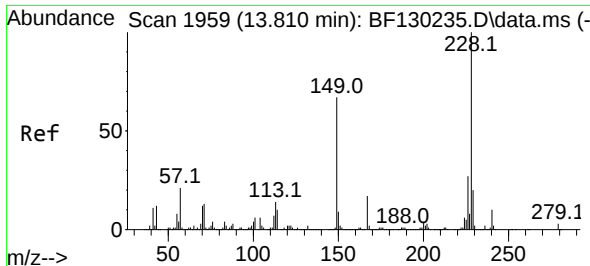
Delta R.T. -0.012 min

Lab File: BF130474.D

Acq: 29 Sep 2022 19:16

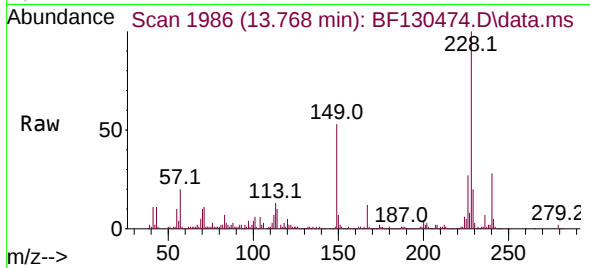
Tgt Ion:	244	Resp:	696191
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.9	8.9
122	11.6	8.5	12.7





#81
Benzo(a)anthracene
Concen: 8.940 ng
RT: 13.768 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

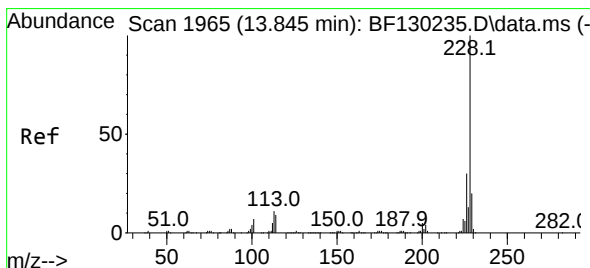
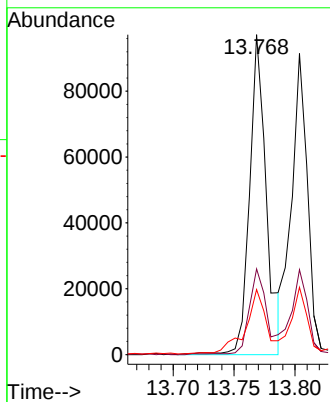
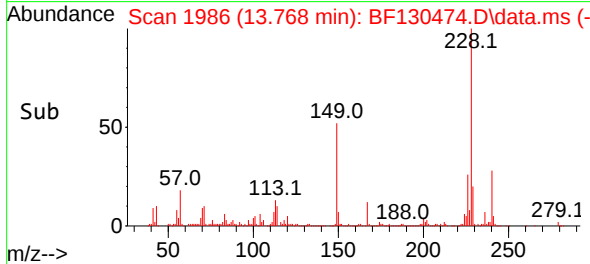
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-349-ETGI



Tgt Ion:228 Resp: 93025
Ion Ratio Lower Upper
228 100
226 26.8 21.9 32.9
229 20.3 16.1 24.1

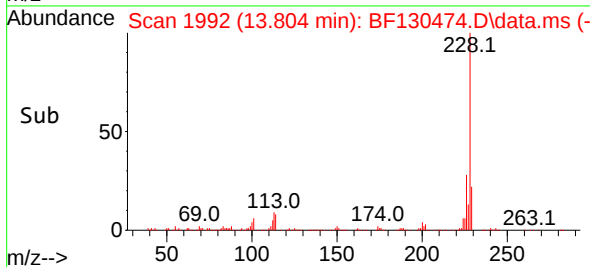
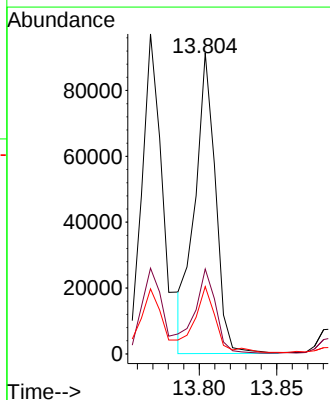
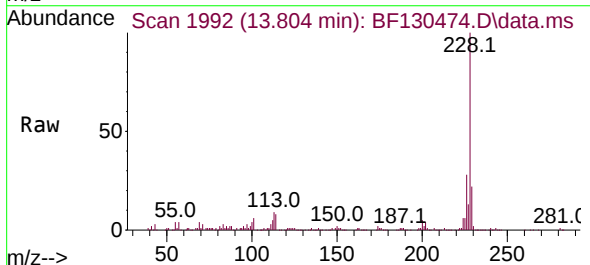
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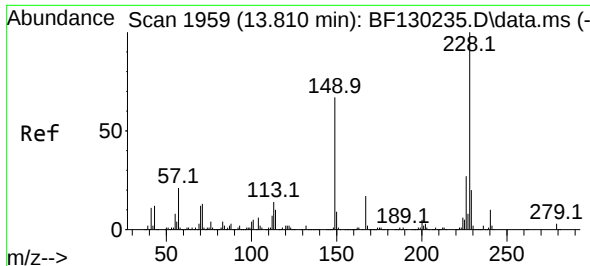
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#83
Chrysene
Concen: 8.565 ng
RT: 13.804 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

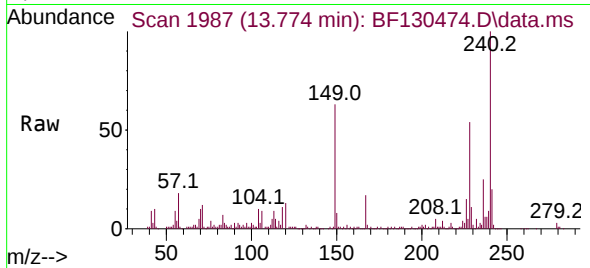
Tgt Ion:228 Resp: 84622
Ion Ratio Lower Upper
228 100
226 28.2 23.8 35.8
229 22.3 15.3 22.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 11.125 ng
RT: 13.774 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

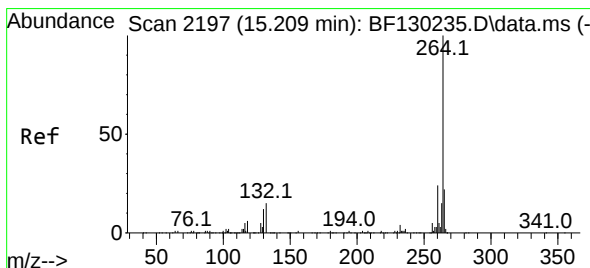
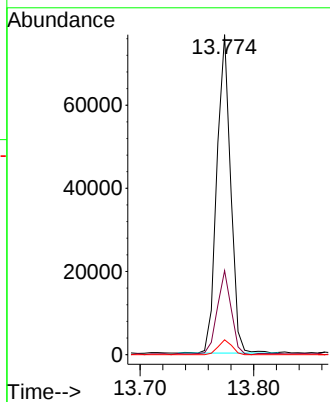
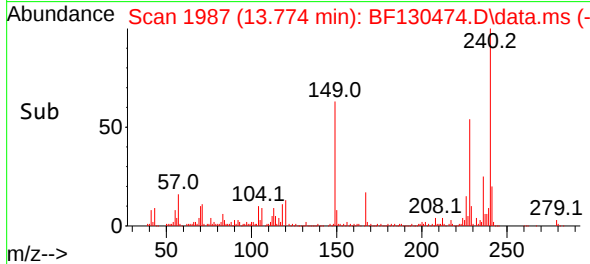
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-349-ETGI



Tgt Ion:149 Resp: 64595
Ion Ratio Lower Upper
149 100
167 26.2 20.5 30.7
279 4.6 2.9 4.3

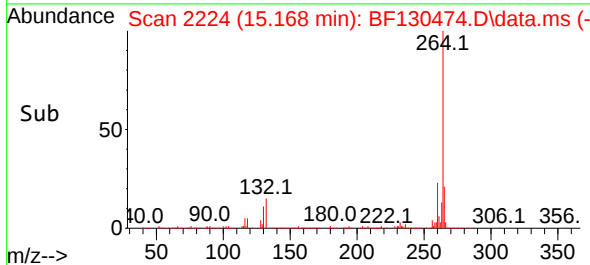
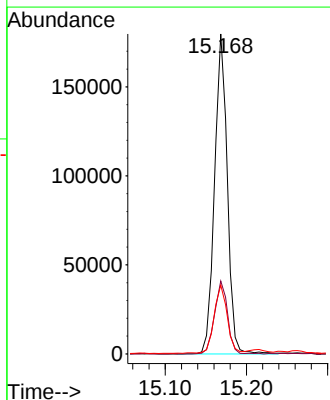
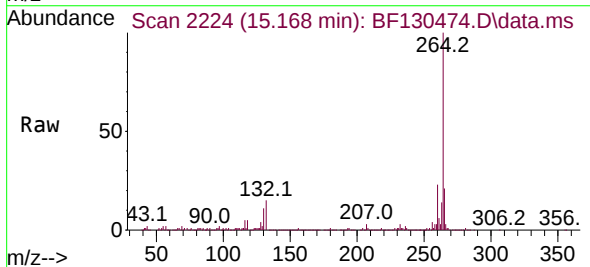
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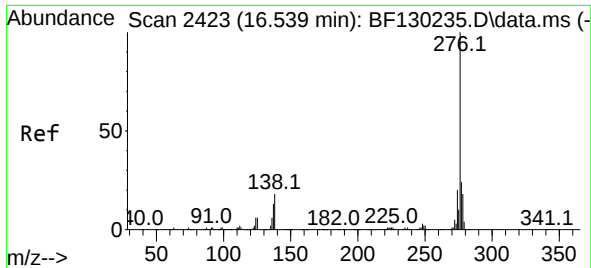
Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.168 min Scan# 2224
Delta R.T. -0.006 min
Lab File: BF130474.D
Acq: 29 Sep 2022 19:16

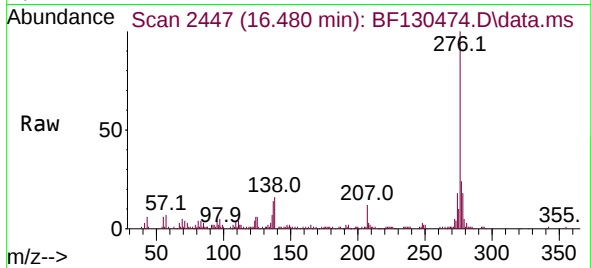
Tgt Ion:264 Resp: 195838
Ion Ratio Lower Upper
264 100
260 22.8 19.3 28.9
265 21.5 17.0 25.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.807 ng m
 RT: 16.480 min Scan# 2447
 Delta R.T. -0.018 min
 Lab File: BF130474.D
 Acq: 29 Sep 2022 19:16

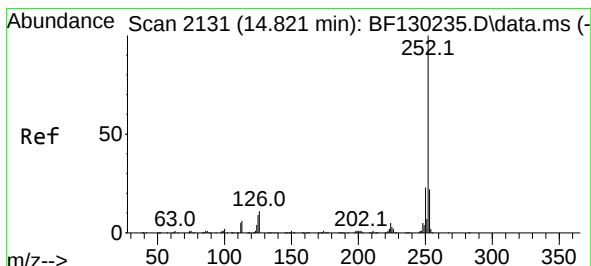
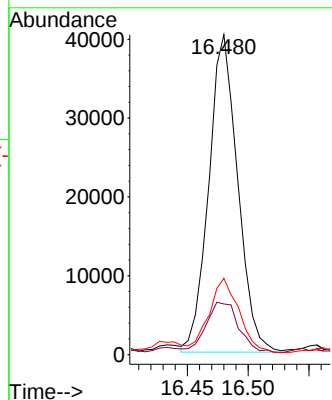
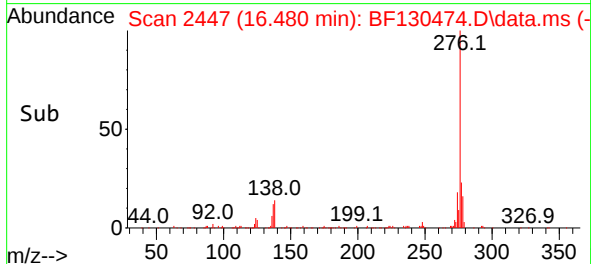
Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-349-ETGI



Tgt Ion: 276 Resp: 66763
 Ion Ratio Lower Upper
 276 100
 138 3.3 18.5 27.7
 277 4.3 20.2 30.4

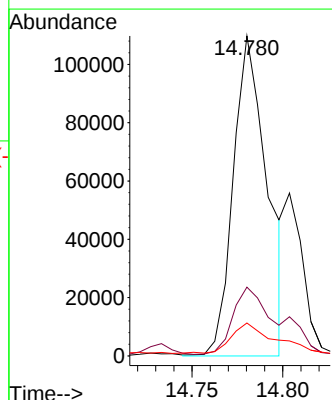
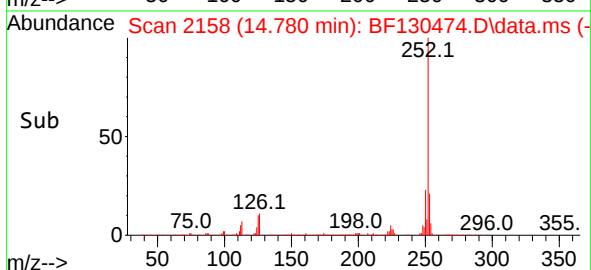
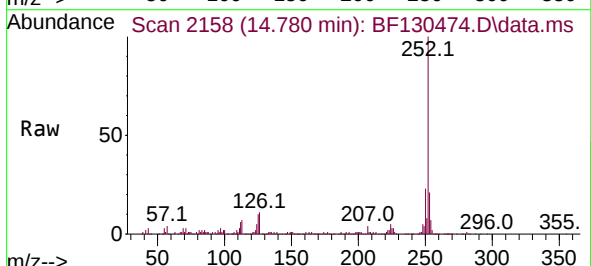
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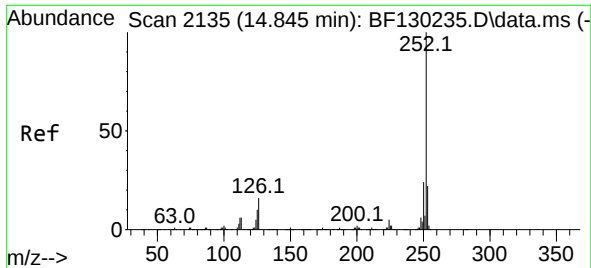
Reviewed By : Christian Giraldo 09/30/2022
 Supervised By : Jagrut Upadhyay 09/30/2022



#88
 Benzo(b)fluoranthene
 Concen: 11.170 ng m
 RT: 14.780 min Scan# 2158
 Delta R.T. -0.006 min
 Lab File: BF130474.D
 Acq: 29 Sep 2022 19:16

Tgt Ion: 252 Resp: 142779
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.7 26.5
 125 10.3 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 3.146 ng m

RT: 14.804 min Scan# 2114

Delta R.T. -0.012 min

Lab File: BF130474.D

Acq: 29 Sep 2022 19:16

Instrument :

BNA_F

ClientSampleId :

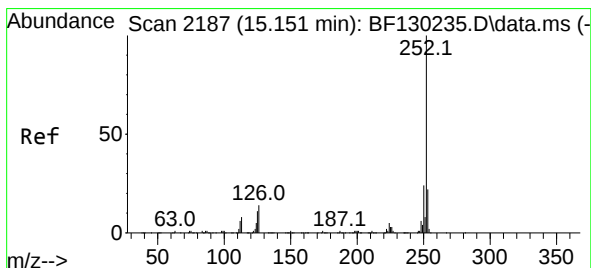
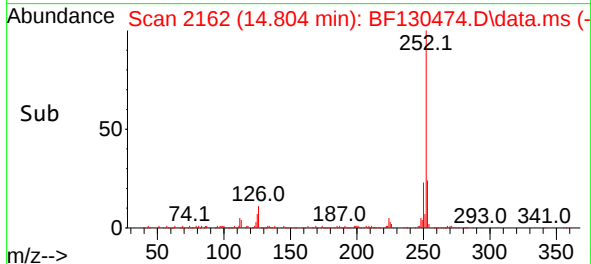
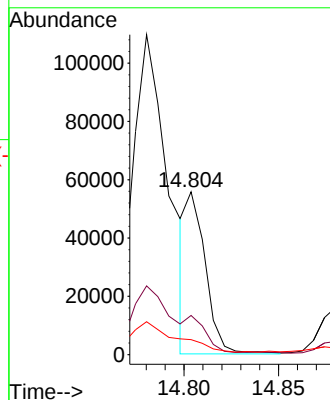
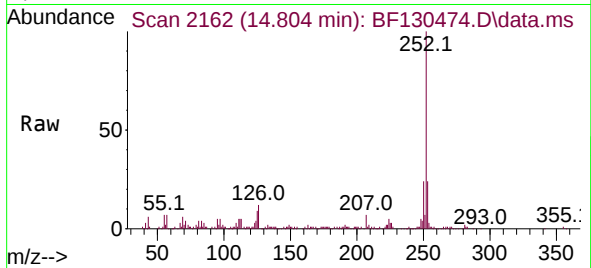
ROLL-OFF-349-ETGI

Tgt Ion:252	Resp:	3955
Ion Ratio	Lower	Upper
252	100	
253	24.0	17.4 26.2
125	9.2	7.9 11.9

Manual Integrations

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Reviewed By :Christian Giraldo 09/30/2022
Supervised By :Jagrut Upadhyay 09/30/2022



#90

Benzo(a)pyrene

Concen: 8.703 ng

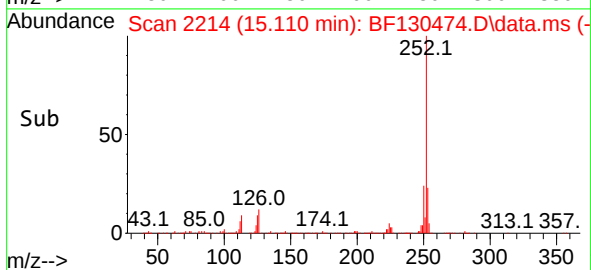
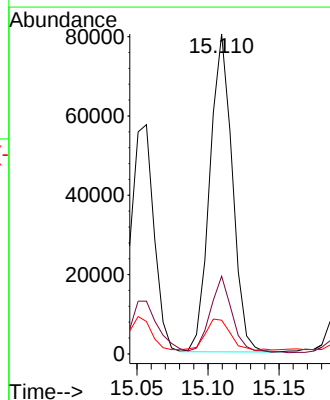
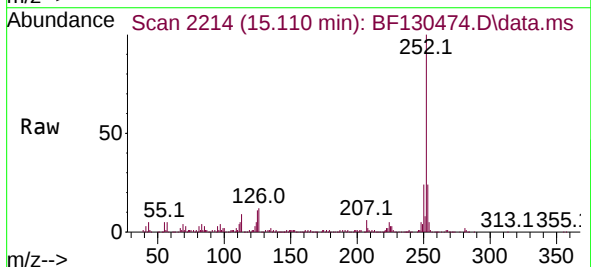
RT: 15.110 min Scan# 2214

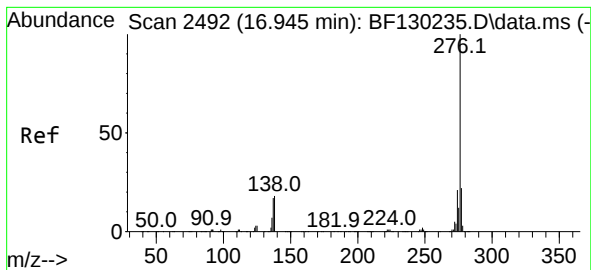
Delta R.T. -0.006 min

Lab File: BF130474.D

Acq: 29 Sep 2022 19:16

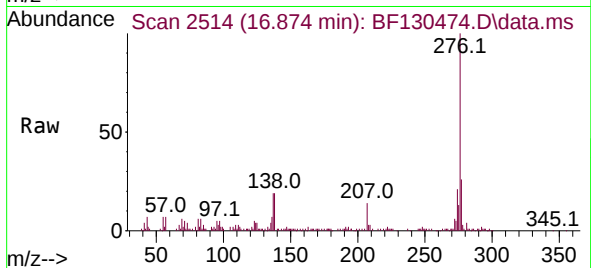
Tgt Ion:252	Resp:	88132
Ion Ratio	Lower	Upper
252	100	
253	24.3	17.8 26.6
125	10.5	9.0 13.6





#92
 Benzo(g,h,i)perylene
 Concen: 5.633 ng
 RT: 16.874 min Scan# 2514
 Delta R.T. -0.018 min
 Lab File: BF130474.D
 Acq: 29 Sep 2022 19:16

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-349-ETGI



Tgt Ion: 276 Resp: 64652
 Ion Ratio Lower Upper
 276 100
 277 26.0 18.6 27.8
 138 18.9 14.6 21.8

Manual Integrations
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Reviewed By : Christian Giraldo 09/30/2022
 Supervised By : Jagrut Upadhyay 09/30/2022

