

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060922\
 Data File : BF128748.D
 Acq On : 09 Jun 2022 14:44
 Operator : CG\JU
 Sample : N3233-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CR-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/10/2022
 Supervised By : Jagrut Upadhyay 06/10/2022

Quant Time: Jun 10 03:28:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	73442	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	288551	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	156483	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	260436	20.000	ng	0.00
76) Chrysene-d12	13.980	240	162303	20.000	ng	0.00
86) Perylene-d12	15.445	264	156064	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	358408	77.733	ng	0.00
7) Phenol-d6	6.469	99	462129	82.109	ng	-0.01
23) Nitrobenzene-d5	7.375	82	328908	53.070	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	124990	67.601	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	569505	50.981	ng	0.00
79) Terphenyl-d14	12.927	244	451887	48.380	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.363	178	58127	4.450	ng	99
75) Fluoranthene	12.551	202	72596	5.317	ng	97
78) Pyrene	12.780	202	83689	6.931	ng	99
81) Benzo(a)anthracene	13.974	228	37613m	3.718	ng	
83) Chrysene	14.010	228	39823	4.129	ng	96
87) Indeno(1,2,3-cd)pyrene	16.898	276	21190m	2.253	ng	
88) Benzo(b)fluoranthene	15.021	252	46842m	4.697	ng	
90) Benzo(a)pyrene	15.380	252	37683	4.808	ng	98
92) Benzo(g,h,i)perylene	17.333	276	24492	3.167	ng	95

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

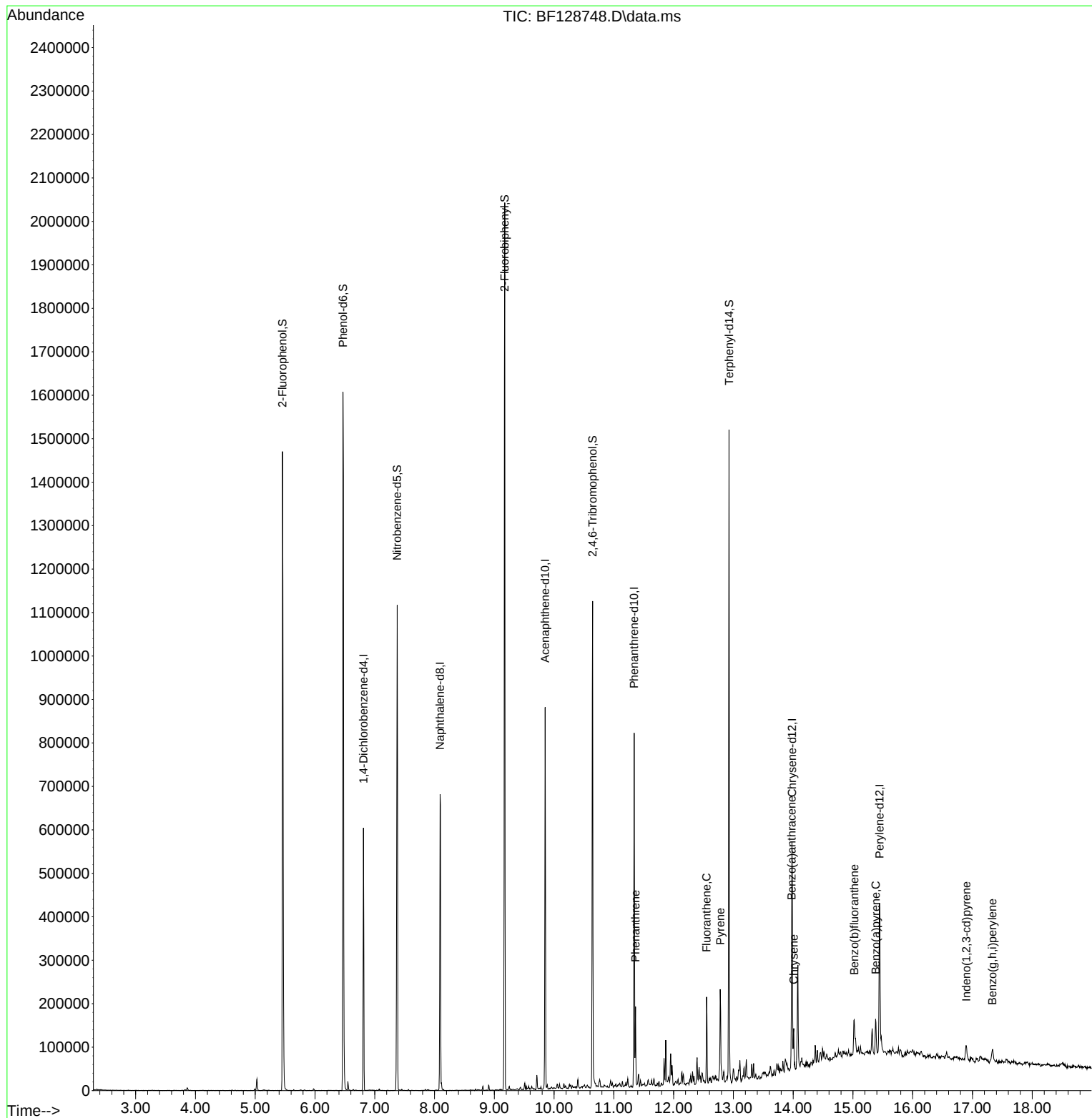
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060922\
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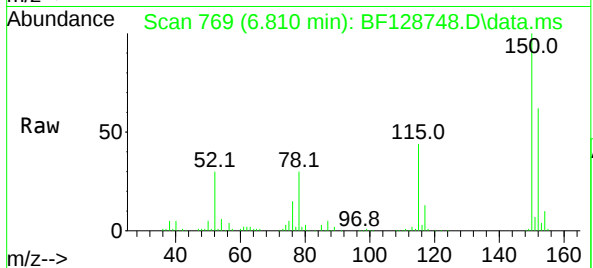
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

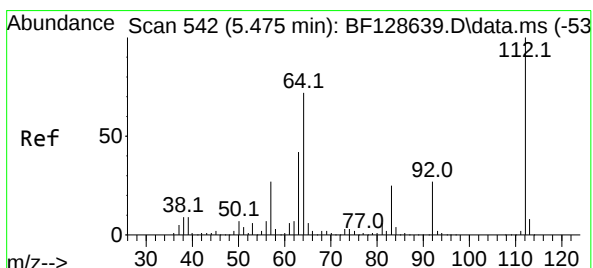
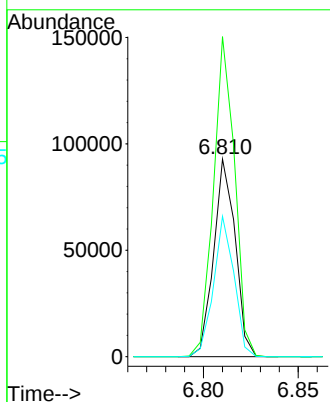
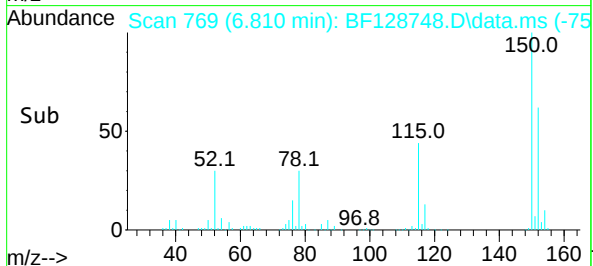
Instrument :
BNA_F
ClientSampleId :
CR-2



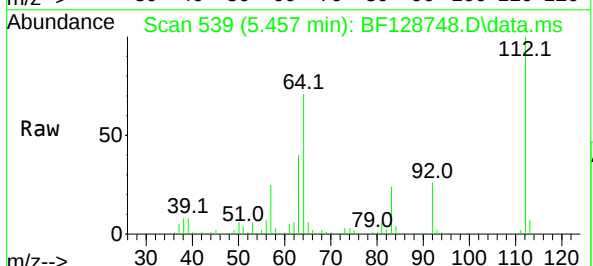
Tgt Ion:152 Resp: 7344
Ion Ratio Lower Upper
152 100
150 161.9 123.7 185.5
115 71.0 49.9 74.9

Manual Integrations
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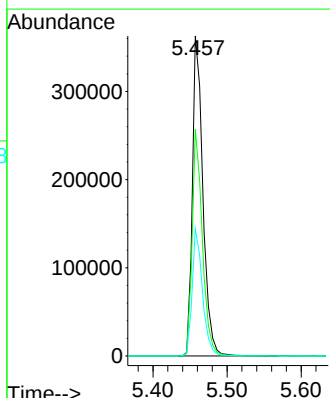
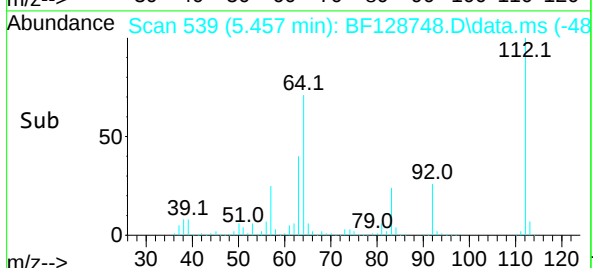
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022



#5
2-Fluorophenol
Concen: 77.733 ng
RT: 5.457 min Scan# 539
Delta R.T. -0.000 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44



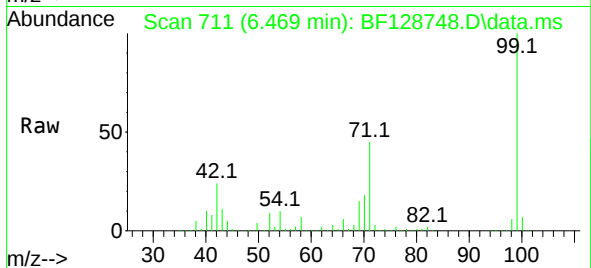
Tgt Ion:112 Resp: 358408
Ion Ratio Lower Upper
112 100
64 70.8 53.3 79.9
63 39.7 28.0 42.0





#7
Phenol-d6
Concen: 82.109 ng
RT: 6.469 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

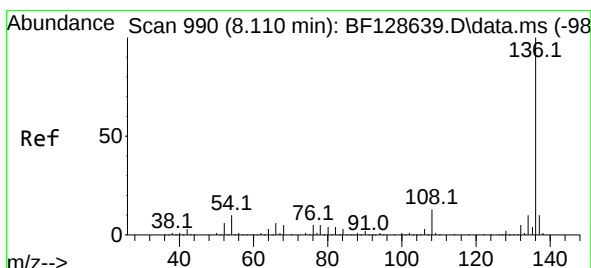
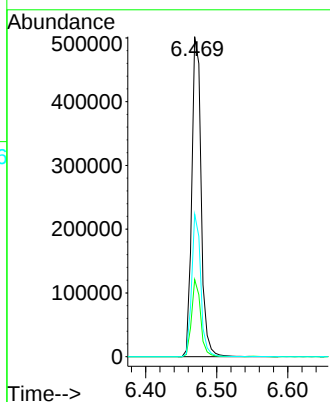
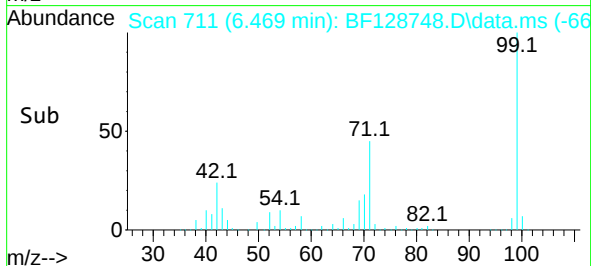
Instrument :
BNA_F
ClientSampleId :
CR-2



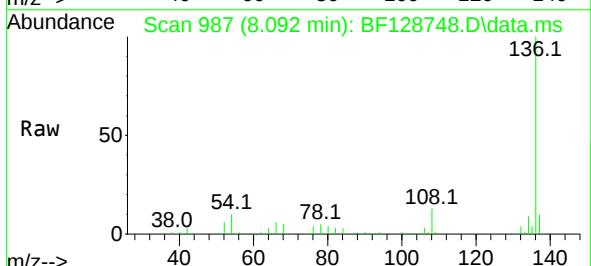
Tgt Ion: 99 Resp: 462129
Ion Ratio Lower Upper
99 100
42 24.1 17.3 25.9
71 44.5 28.9 43.3

Manual Integrations
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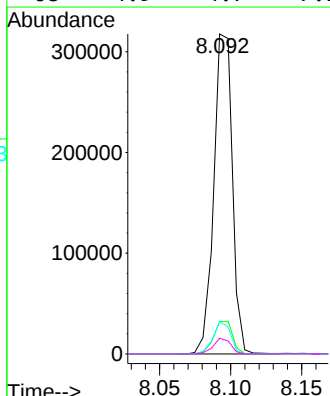
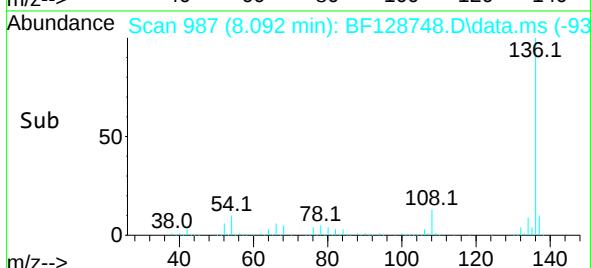
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44



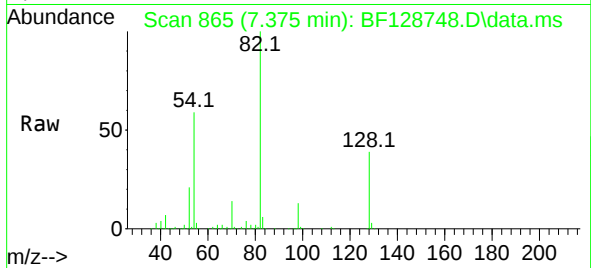
Tgt Ion:136 Resp: 288551
Ion Ratio Lower Upper
136 100
137 10.1 8.8 13.2
54 10.1 7.5 11.3
68 4.9 4.7 7.1





#23
Nitrobenzene-d5
Concen: 53.070 ng
RT: 7.375 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

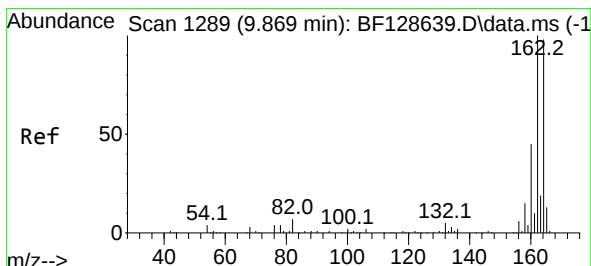
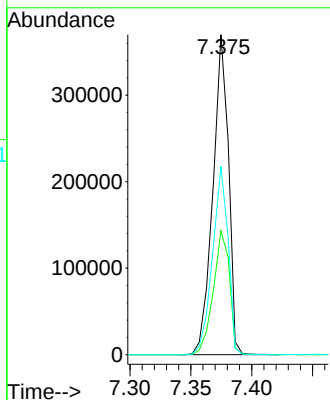
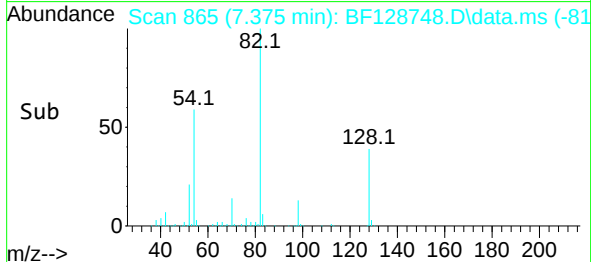
Instrument :
BNA_F
ClientSampleId :
CR-2



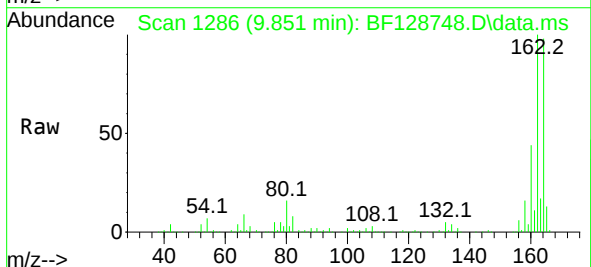
Tgt Ion: 82 Resp: 328908
Ion Ratio Lower Upper
82 100
128 38.7 34.0 51.0
54 58.9 46.9 70.3

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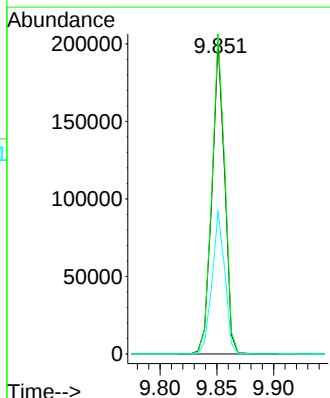
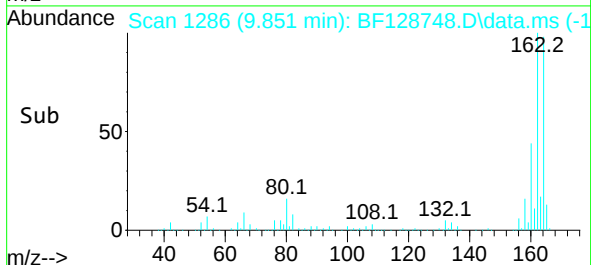
Reviewed By :Christian Giraldo 06/10/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44



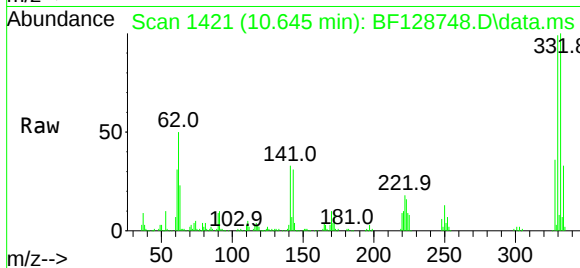
Tgt Ion:164 Resp: 156483
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 45.4 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 67.601 ng
RT: 10.645 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

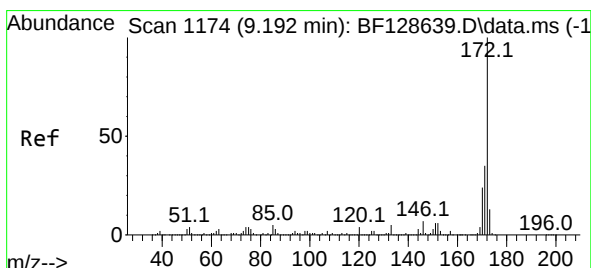
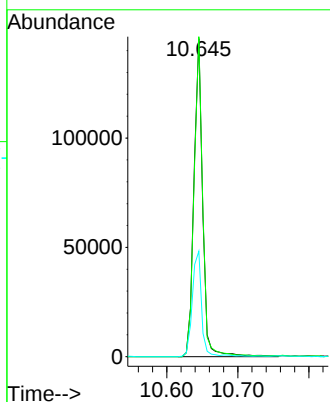
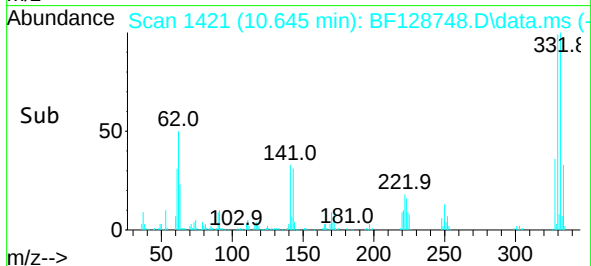
Instrument :
BNA_F
ClientSampleId :
CR-2



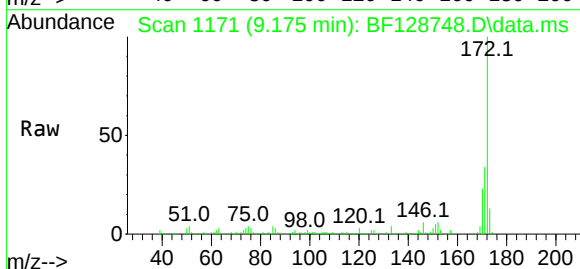
Tgt Ion: 330 Resp: 124990
Ion Ratio Lower Upper
330 100
332 99.4 76.8 115.2
141 34.7 28.0 42.0

Manual Integrations
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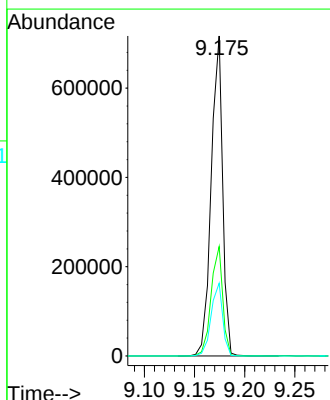
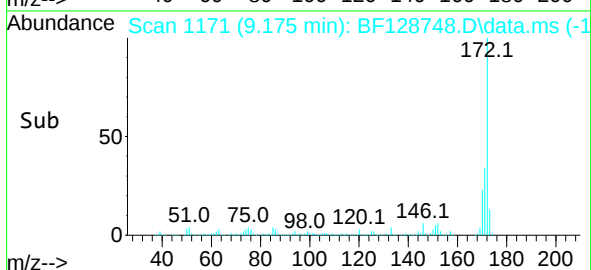
Reviewed By : Christian Giraldo 06/10/2022
Supervised By : Jagrut Upadhyay 06/10/2022



#45
2-Fluorobiphenyl
Concen: 50.981 ng
RT: 9.175 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44



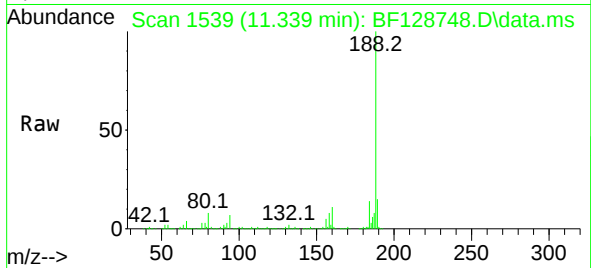
Tgt Ion: 172 Resp: 569505
Ion Ratio Lower Upper
172 100
171 34.2 28.8 43.2
170 22.7 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

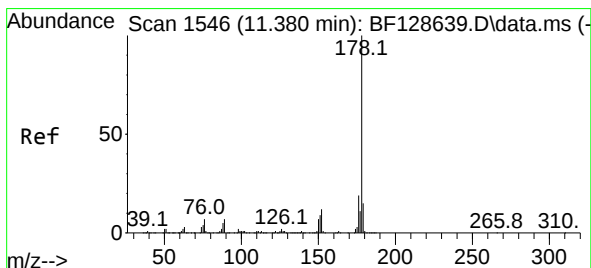
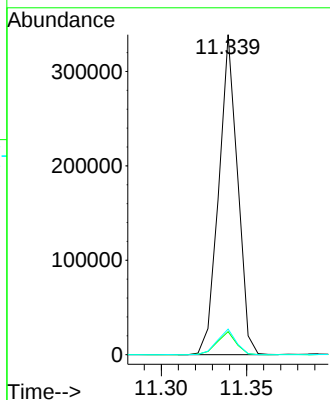
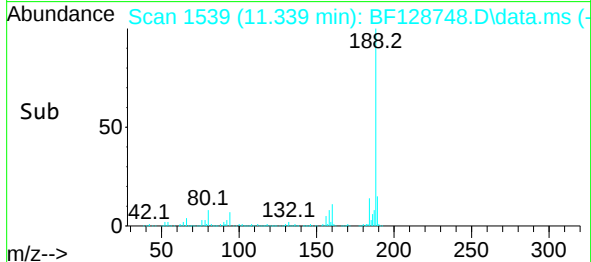
Instrument :
BNA_F
ClientSampleId :
CR-2



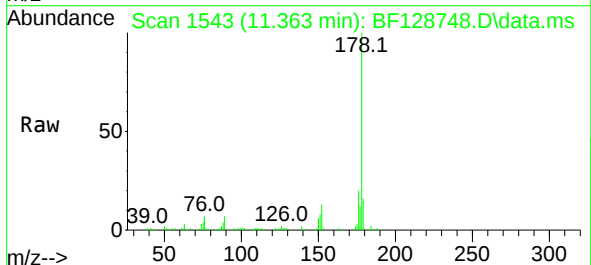
Tgt Ion:188 Resp: 260430
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.6
80 8.0 7.6 11.4

Manual Integrations
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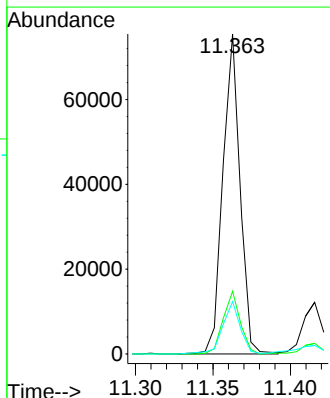
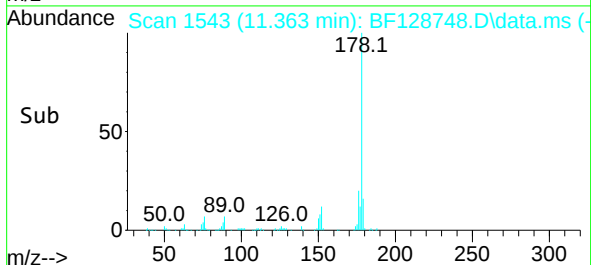
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022

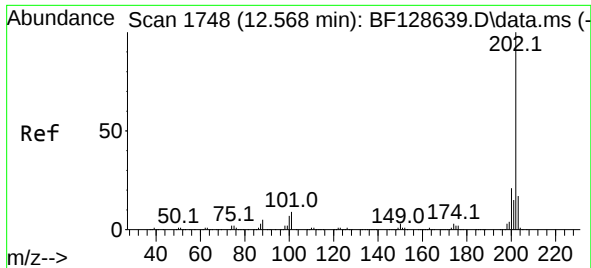


#71
Phenanthrene
Concen: 4.450 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44



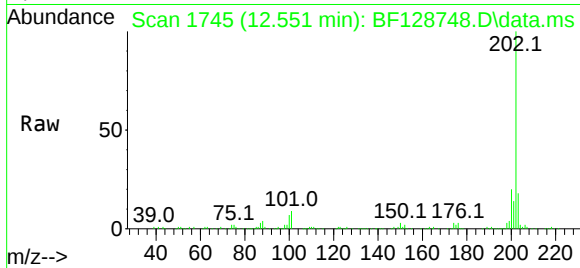
Tgt Ion:178 Resp: 58127
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 16.4 12.6 19.0





#75
Fluoranthene
Concen: 5.317 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

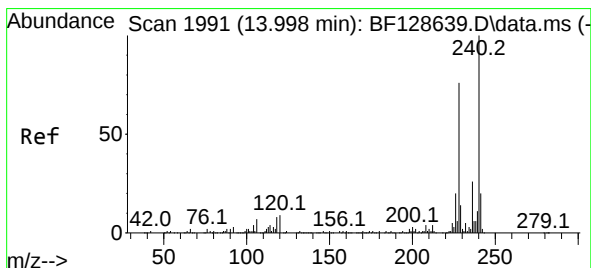
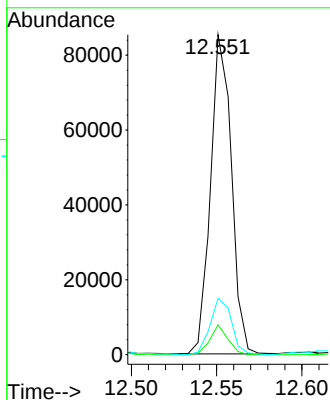
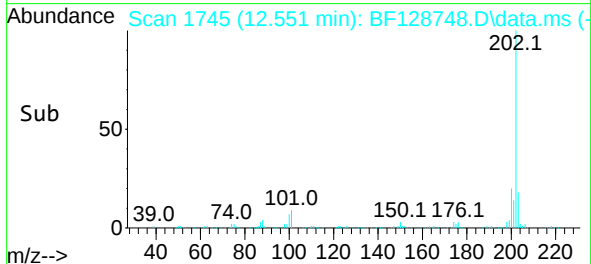
Instrument :
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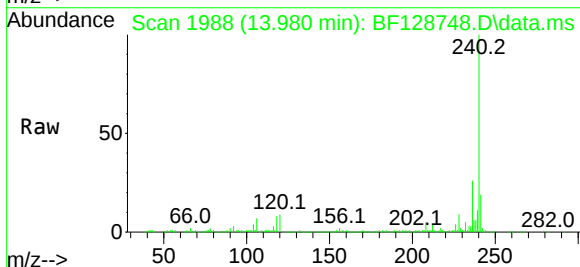
Tgt Ion:202 Resp: 72590
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.4
203 17.6 0.0 38.0

Manual Integrations
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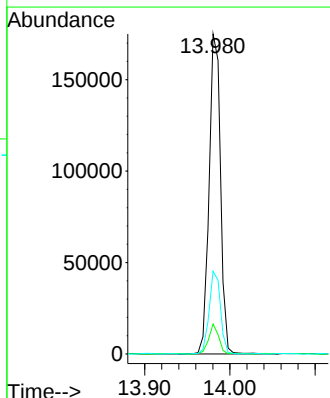
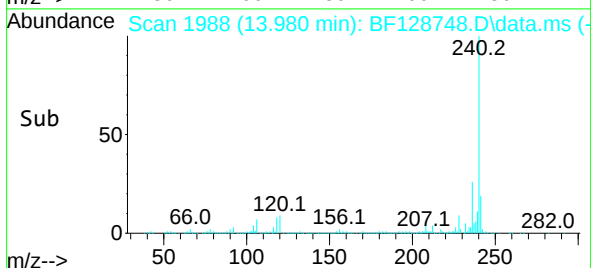
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022

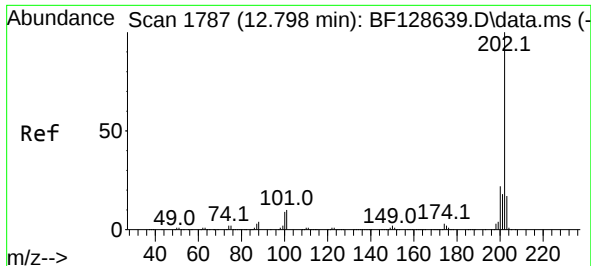


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44



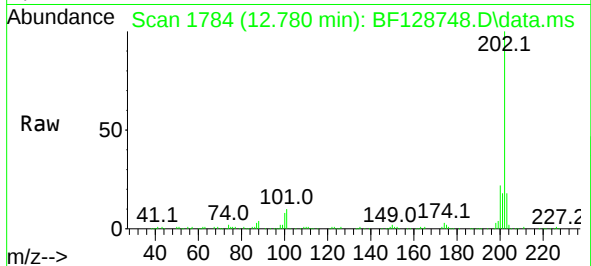
Tgt Ion:240 Resp: 162303
Ion Ratio Lower Upper
240 100
120 9.3 8.9 13.3
236 25.9 20.8 31.2





#78
Pyrene
Concen: 6.931 ng
RT: 12.780 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

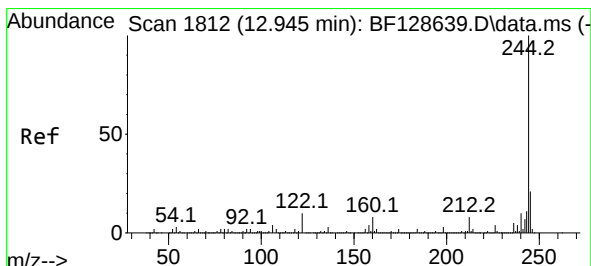
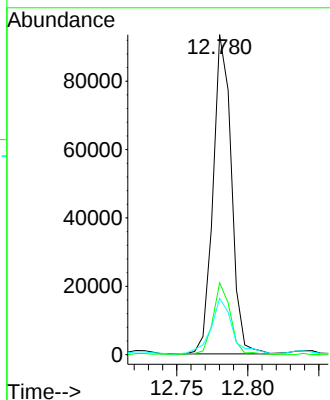
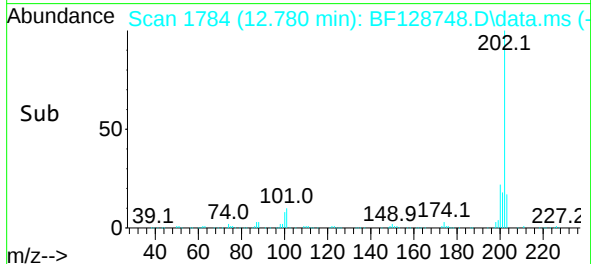
Instrument :
BNA_F
ClientSampleId :
CR-2



Tgt Ion:202 Resp: 83689
Ion Ratio Lower Upper
202 100
200 22.4 17.7 26.5
203 17.6 14.6 21.8

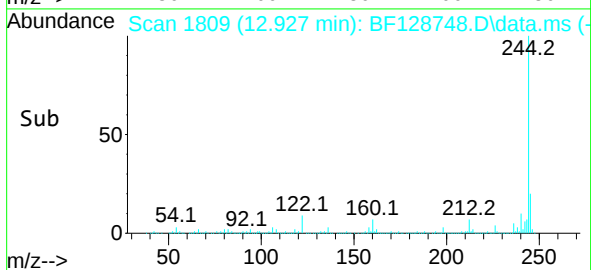
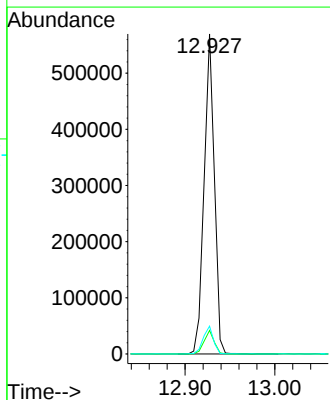
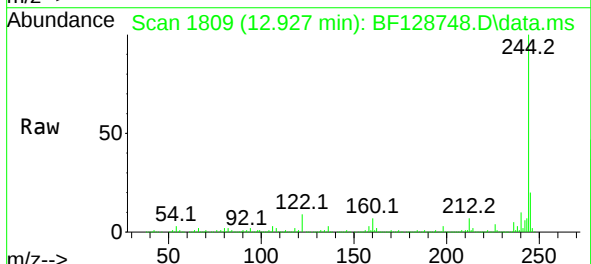
Manual Integrations
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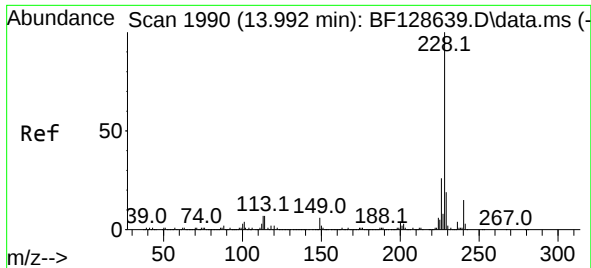
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022



#79
Terphenyl-d14
Concen: 48.380 ng
RT: 12.927 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

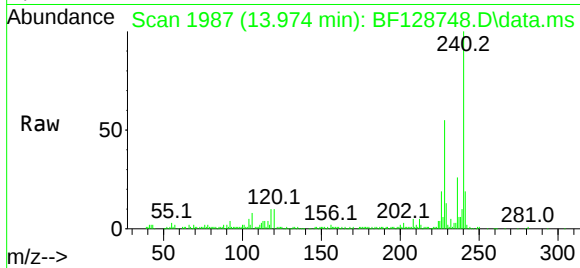
Tgt Ion:244 Resp: 451887
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 8.7 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 3.718 ng m
RT: 13.974 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

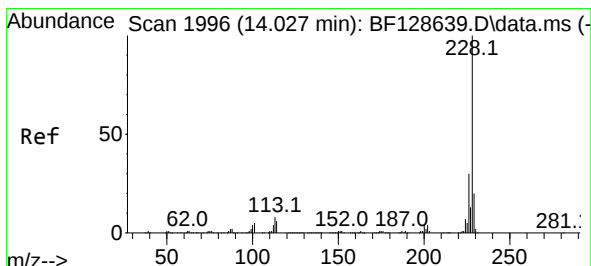
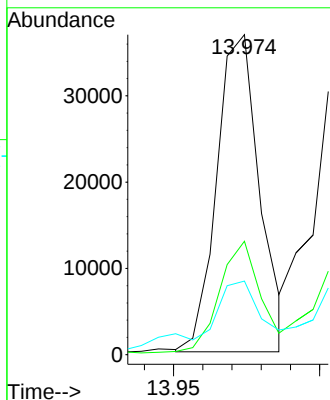
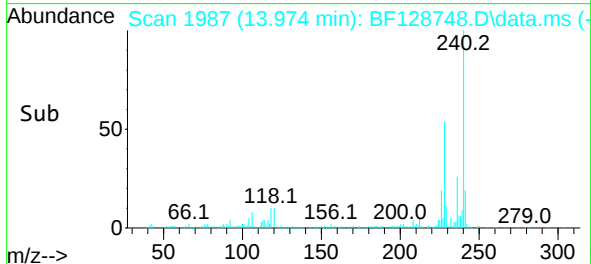
Instrument :
BNA_F
ClientSampleId :
CR-2



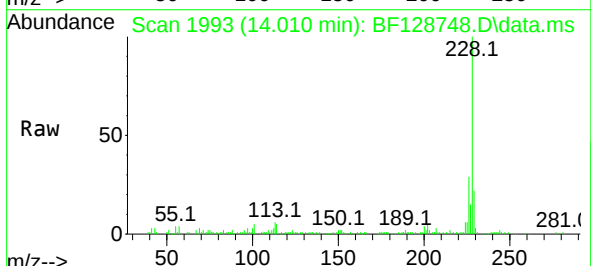
Tgt Ion:228 Resp: 3761
Ion Ratio Lower Upper
228 100
226 35.5 22.1 33.1
229 23.0 15.8 23.8

Manual Integrations
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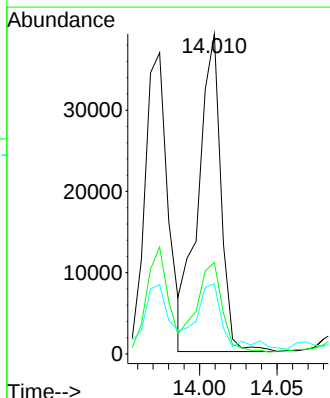
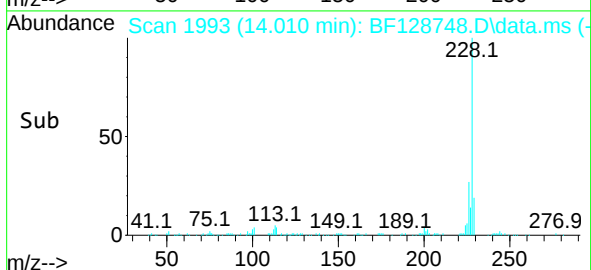
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022

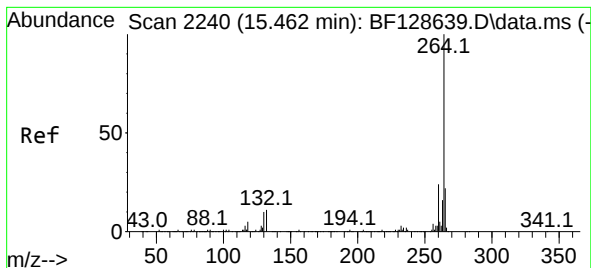


#83
Chrysene
Concen: 4.129 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44



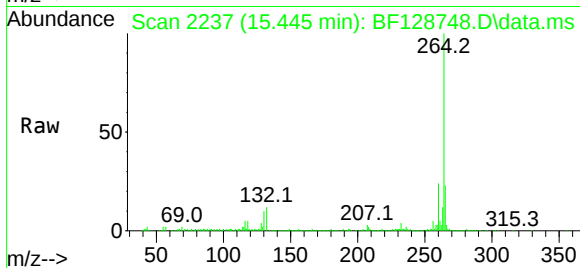
Tgt Ion:228 Resp: 39823
Ion Ratio Lower Upper
228 100
226 28.6 24.3 36.5
229 21.9 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

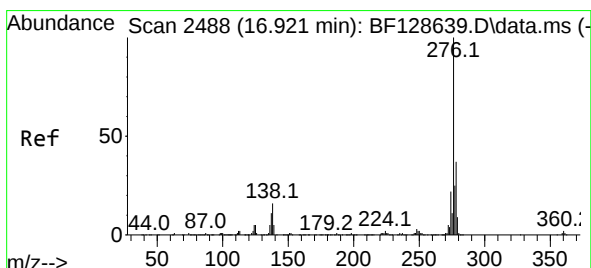
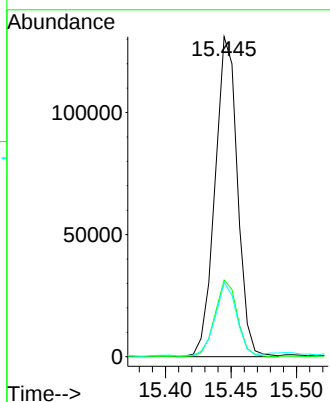
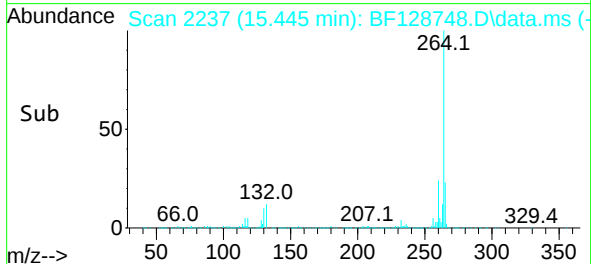
Instrument :
BNA_F
ClientSampleId :
CR-2



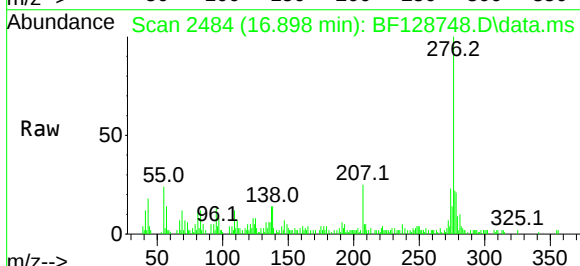
Tgt Ion:264 Resp: 156064
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 23.2 17.2 25.8

Manual Integrations
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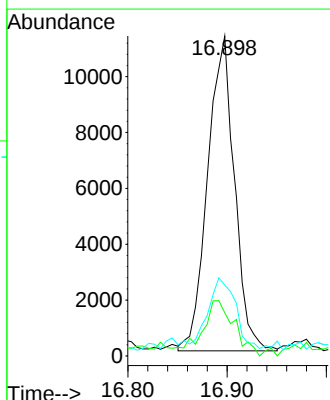
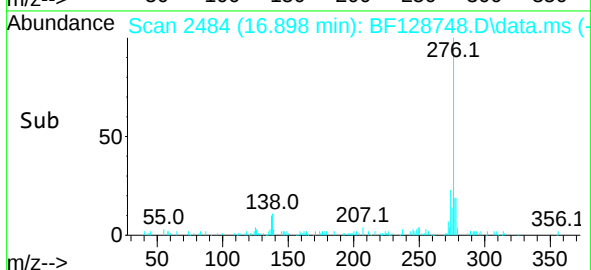
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022

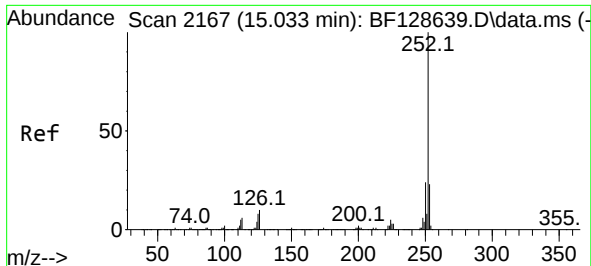


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.253 ng m
RT: 16.898 min Scan# 2484
Delta R.T. -0.000 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44



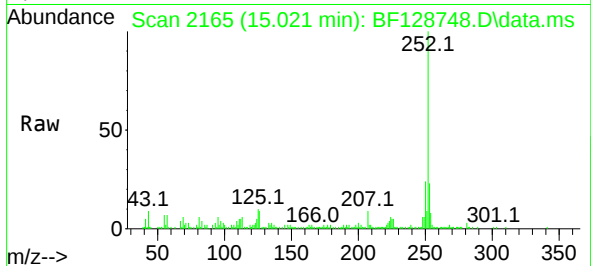
Tgt Ion:276 Resp: 21190
Ion Ratio Lower Upper
276 100
138 4.4 21.1 31.7#
277 6.0 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 4.697 ng m
RT: 15.021 min Scan# 2165
Delta R.T. -0.000 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44

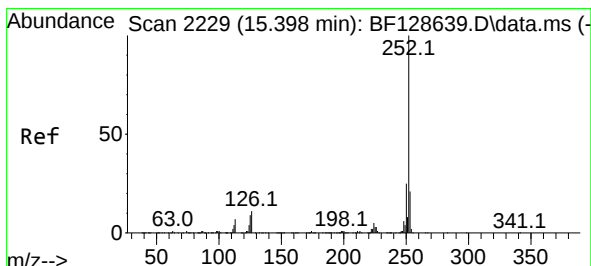
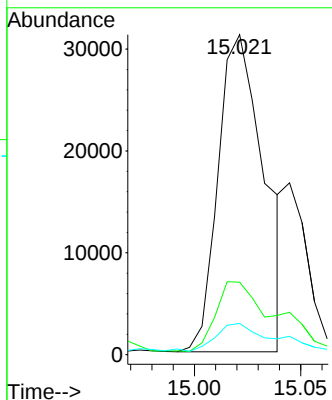
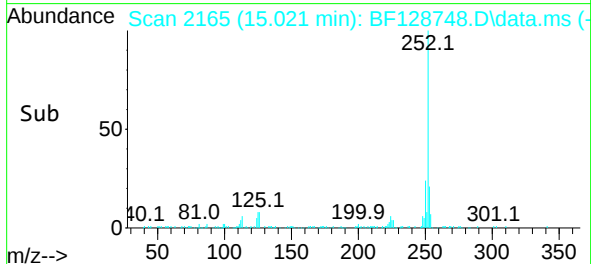
Instrument :
BNA_F
ClientSampleId :
CR-2



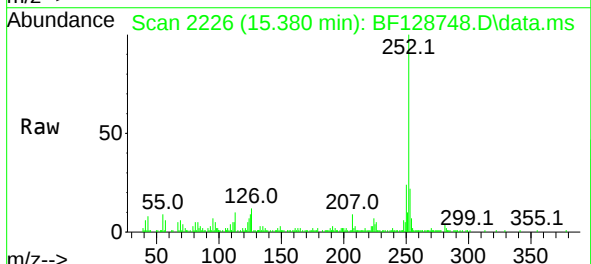
Tgt Ion:252 Resp: 4684
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 9.8 8.0 12.0

Manual Integrations
APPROVED

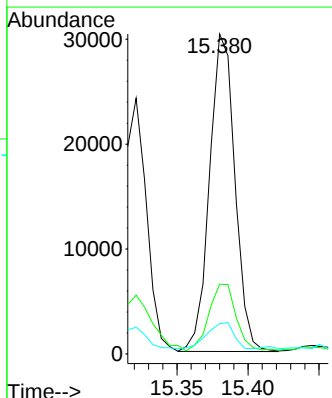
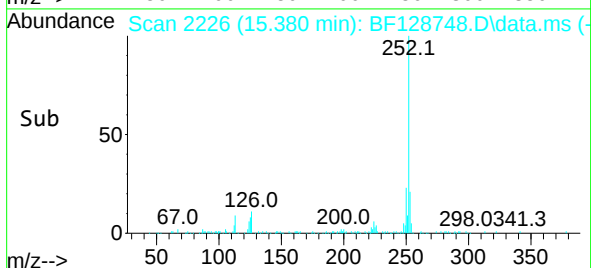
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022

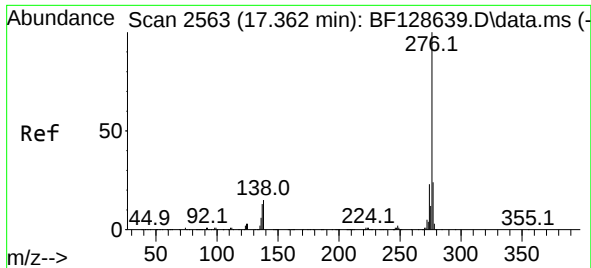


#90
Benzo(a)pyrene
Concen: 4.808 ng
RT: 15.380 min Scan# 2226
Delta R.T. -0.006 min
Lab File: BF128748.D
Acq: 09 Jun 2022 14:44



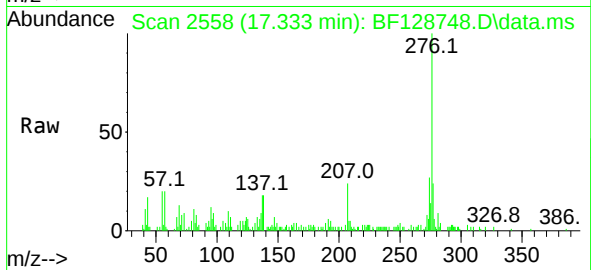
Tgt Ion:252 Resp: 37683
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 9.4 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.167 ng
 RT: 17.333 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF128748.D
 Acq: 09 Jun 2022 14:44

Instrument :
 BNA_F
 ClientSampleId :
 CR-2



Tgt Ion: 276 Resp: 2449
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.1 28.7
 138 18.2 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/10/2022
 Supervised By : Jagrut Upadhyay 06/10/2022

