

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051722\
 Data File : BF128294.D
 Acq On : 17 May 2022 16:43
 Operator : CG\JU
 Sample : N2879-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-0516

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/18/2022
 Supervised By : Jagrut Upadhyay 05/18/2022

Quant Time: May 18 01:34:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 18 01:31:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74720	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	286168	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	154948	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	273219	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	159178	20.000	ng	0.00
86) Perylene-d12	15.551	264	175256	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	528844	112.828	ng	0.00
7) Phenol-d6	6.510	99	685034	110.498	ng	0.00
23) Nitrobenzene-d5	7.440	82	490068	77.058	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	180088	101.340	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	747376	75.471	ng	0.00
79) Terphenyl-d14	12.992	244	660484	77.859	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	51659	3.797	ng	99
75) Fluoranthene	12.622	202	67236	4.559	ng	97
78) Pyrene	12.857	202	64016	5.546	ng	99
81) Benzo(a)anthracene	14.045	228	29507	2.902	ng	97
83) Chrysene	14.080	228	24049	2.479	ng	97
88) Benzo(b)fluoranthene	15.110	252	32110m	2.956	ng	
90) Benzo(a)pyrene	15.486	252	24039	2.741	ng	94

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

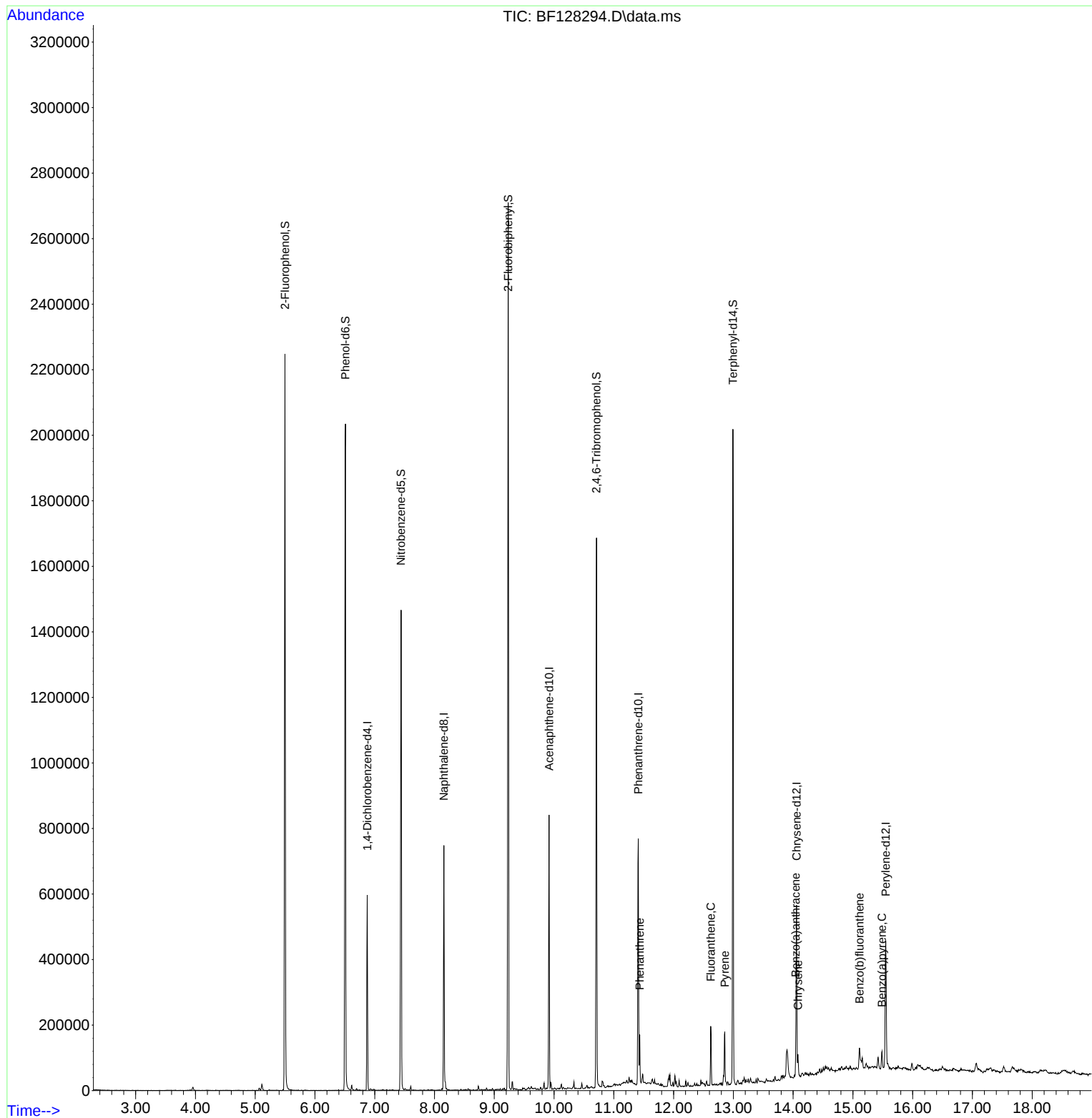
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051722\
Data File : BF128294.D
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ALS Vial : 13 Sample Multiplier: 1

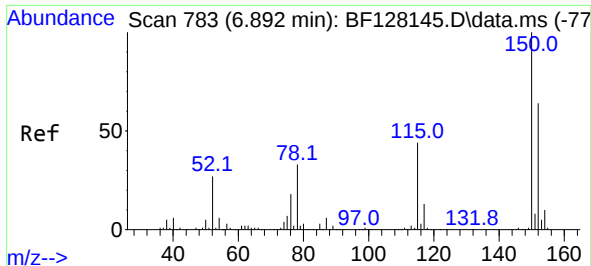
Instrument :
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TP2-0516

Quant Time: May 18 01:34:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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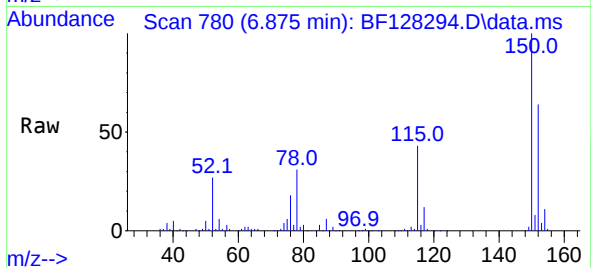
Reviewed By : Christian Giraldo 05/18/2022
Supervised By : Jagrut Upadhyay 05/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

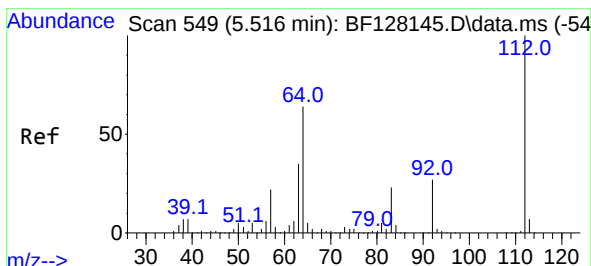
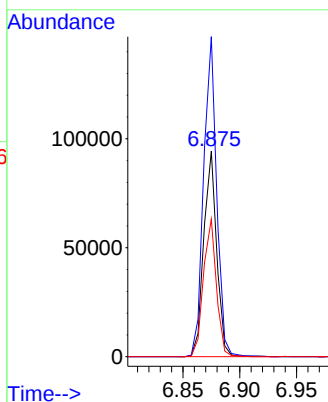
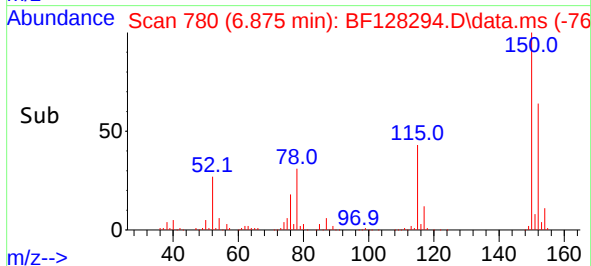
Instrument :
BNA_F
ClientSampleId :
TP2-0516



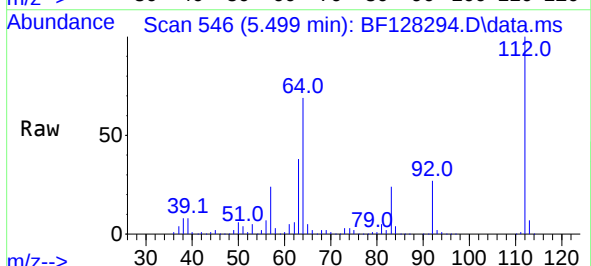
Tgt Ion:152 Resp: 74720
Ion Ratio Lower Upper
152 100
150 155.7 125.3 187.9
115 66.9 48.8 73.2

Manual Integrations
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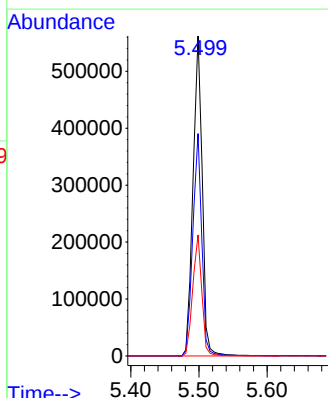
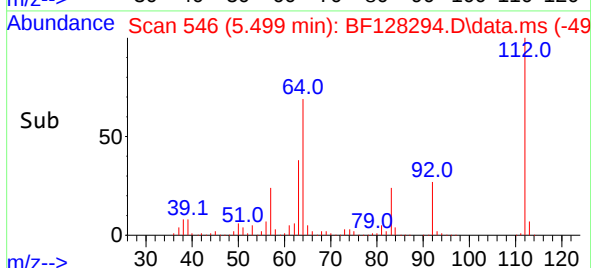
Reviewed By :Christian Giraldo 05/18/2022
Supervised By :Jagrut Upadhyay 05/18/2022



#5
2-Fluorophenol
Concen: 112.828 ng
RT: 5.499 min Scan# 546
Delta R.T. 0.000 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43



Tgt Ion:112 Resp: 528844
Ion Ratio Lower Upper
112 100
64 69.5 49.5 74.3
63 37.8 26.3 39.5





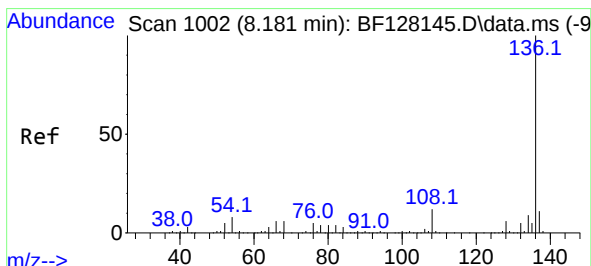
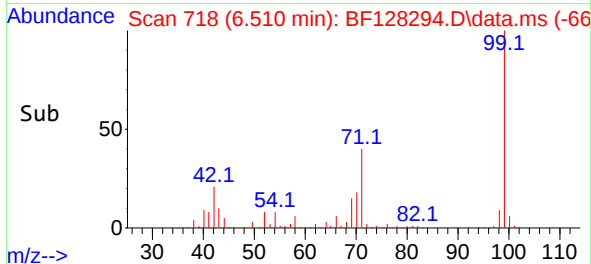
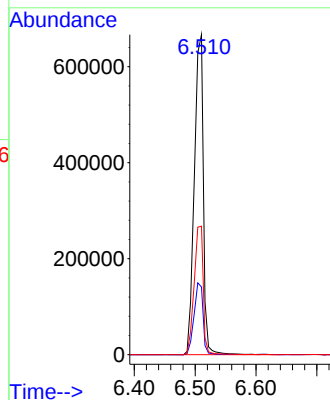
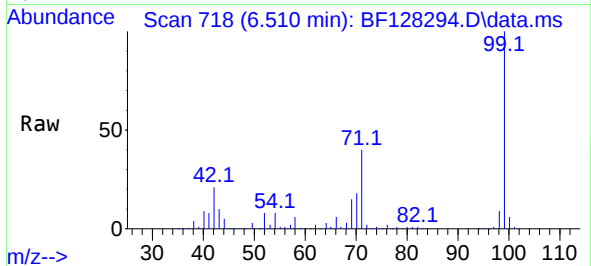
#7
Phenol-d6
Concen: 110.498 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Instrument :
BNA_F
ClientSampleId :
TP2-0516

Tgt Ion: 99 Resp: 685034
Ion Ratio Lower Upper
99 100
42 21.1 16.6 24.8
71 40.1 30.0 45.0

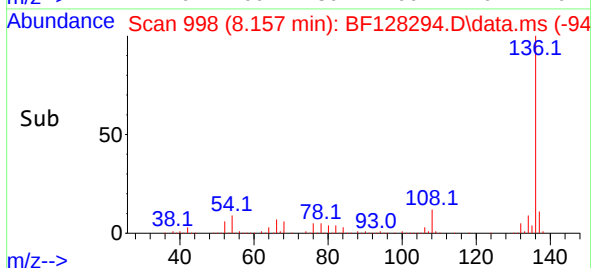
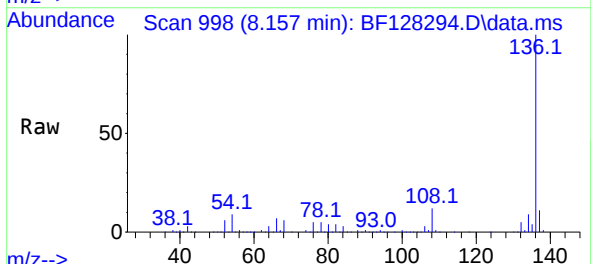
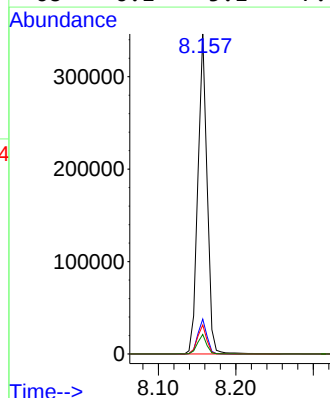
Manual Integrations
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Reviewed By :Christian Giraldo 05/18/2022
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

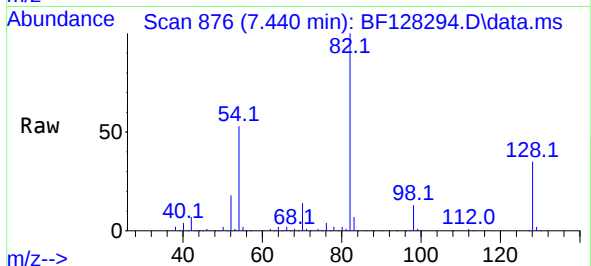
Tgt Ion:136 Resp: 286168
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.1 6.8 10.2
68 6.1 5.1 7.7





#23
Nitrobenzene-d5
Concen: 77.058 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

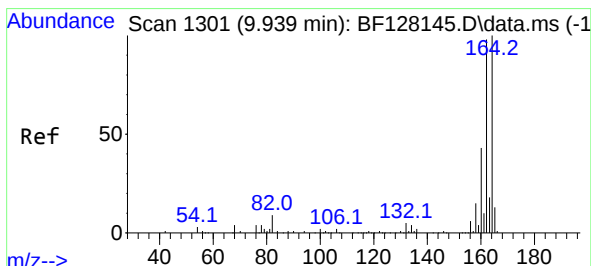
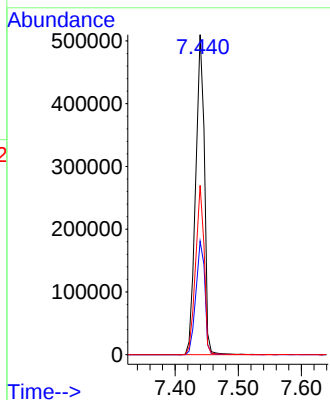
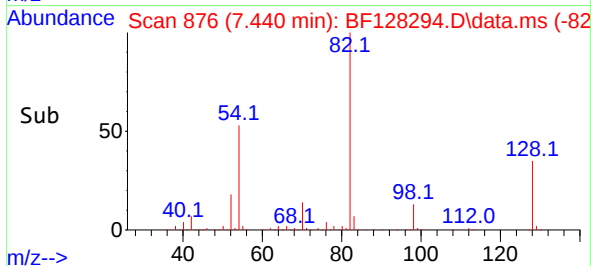
Instrument :
BNA_F
ClientSampleId :
TP2-0516



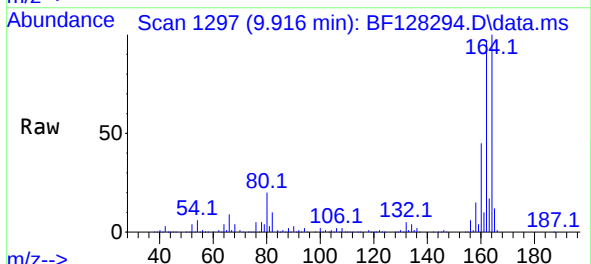
Tgt Ion: 82 Resp: 490068
Ion Ratio Lower Upper
82 100
128 35.4 30.0 45.0
54 52.9 41.3 61.9

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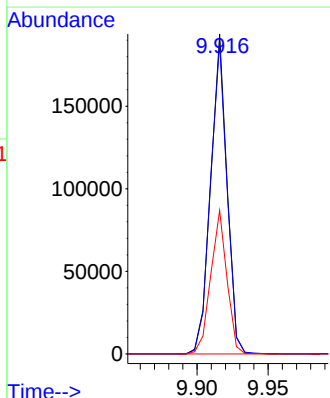
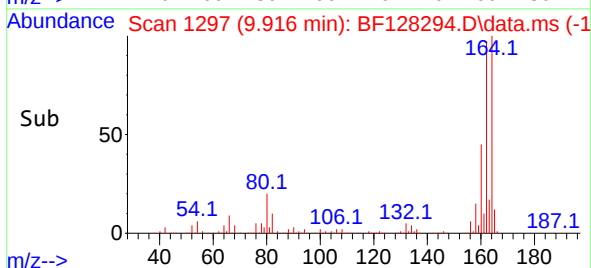
Reviewed By :Christian Giraldo 05/18/2022
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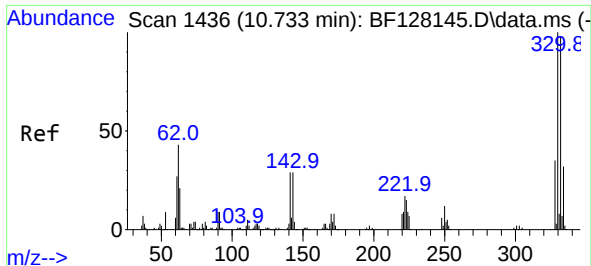


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43



Tgt Ion:164 Resp: 154948
Ion Ratio Lower Upper
164 100
162 97.2 76.0 114.0
160 44.9 34.8 52.2





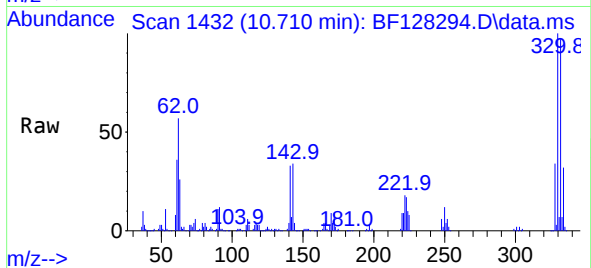
#42
2,4,6-Tribromophenol
Concen: 101.340 ng
RT: 10.710 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Instrument :

BNA_F

ClientSampleId :

TP2-0516

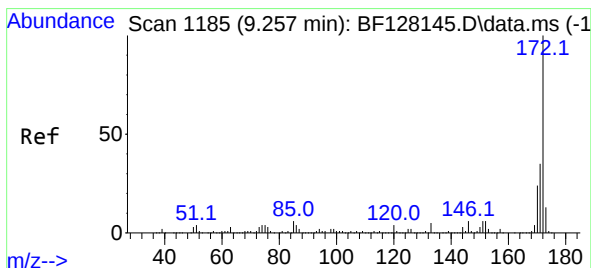
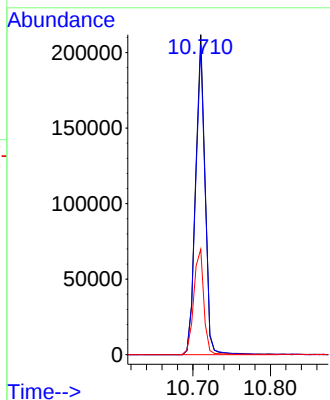
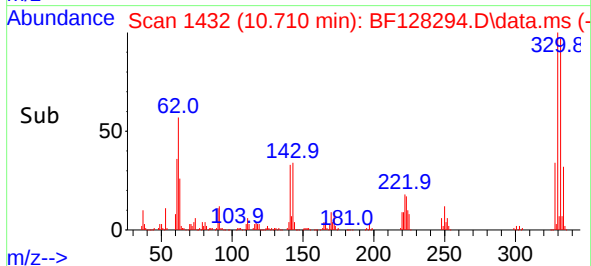


Tgt Ion:330 Resp: 180088
Ion Ratio Lower Upper
330 100
332 96.8 79.0 118.4
141 35.0 28.9 43.3

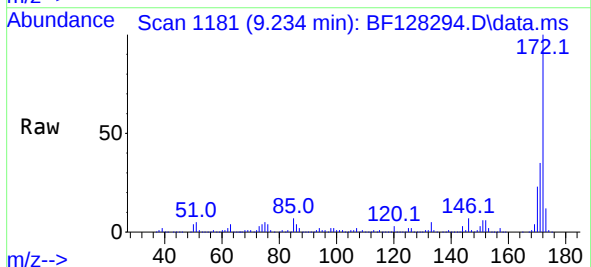
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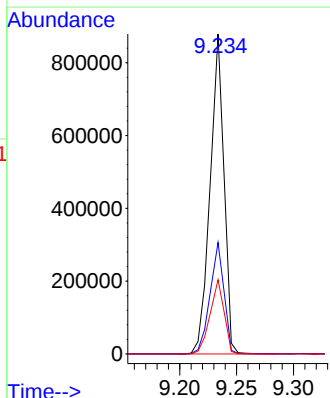
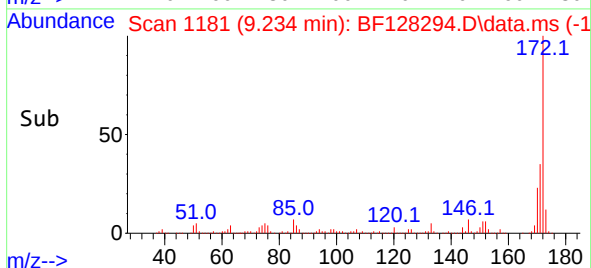
Reviewed By :Christian Giraldo 05/18/2022
Supervised By :Jagrut Upadhyay 05/18/2022



#45
2-Fluorobiphenyl
Concen: 75.471 ng
RT: 9.234 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43



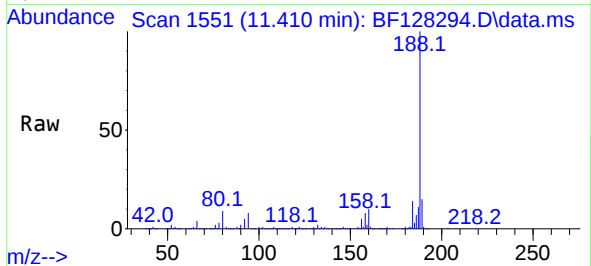
Tgt Ion:172 Resp: 747376
Ion Ratio Lower Upper
172 100
171 34.8 28.6 42.8
170 23.2 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

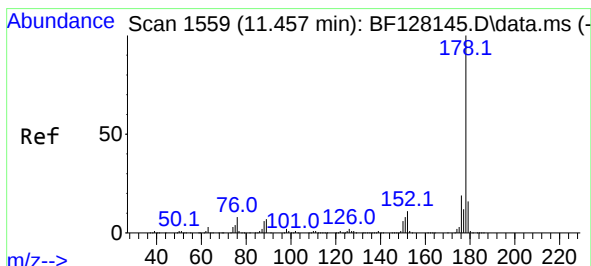
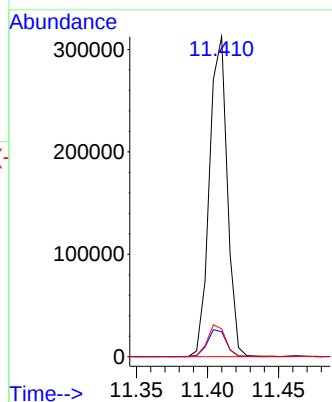
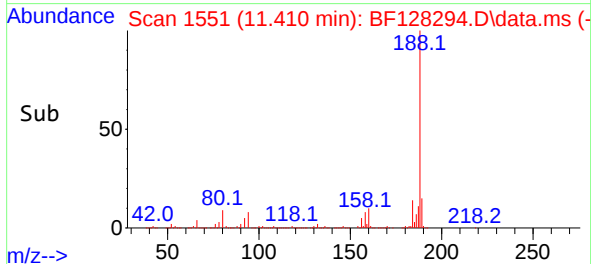
Instrument :
BNA_F
ClientSampleId :
TP2-0516



Tgt Ion:188 Resp: 273219
Ion Ratio Lower Upper
188 100
94 7.8 8.0 12.0
80 8.7 8.9 13.3

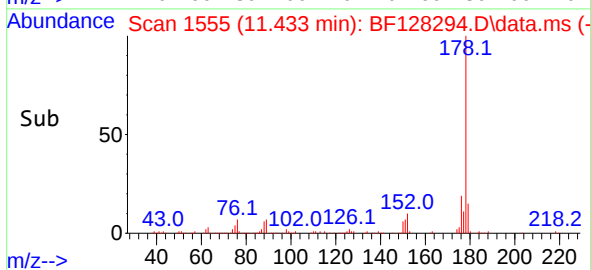
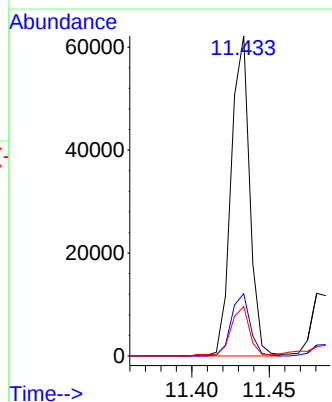
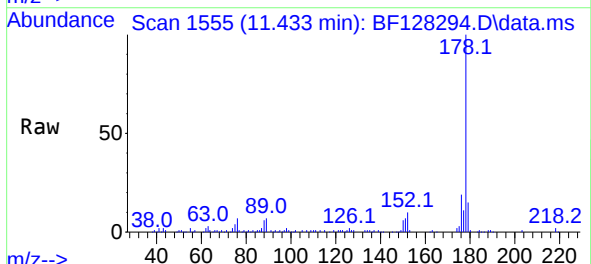
Manual Integrations
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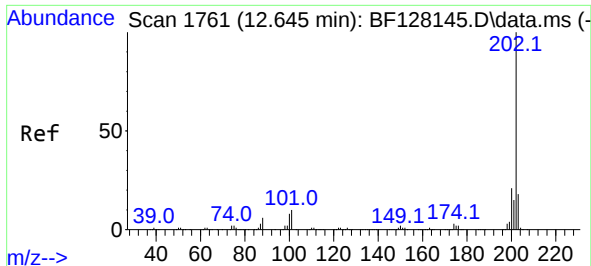
Reviewed By :Christian Giraldo 05/18/2022
Supervised By :Jagrut Upadhyay 05/18/2022



#71
Phenanthrene
Concen: 3.797 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

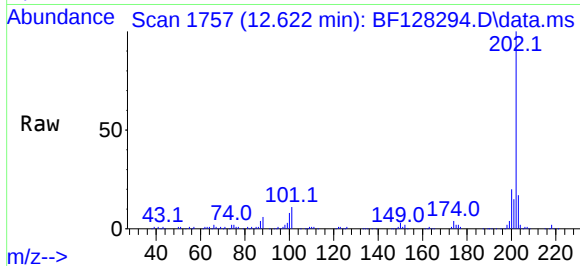
Tgt Ion:178 Resp: 51659
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.5 12.6 19.0





#75
Fluoranthene
Concen: 4.559 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

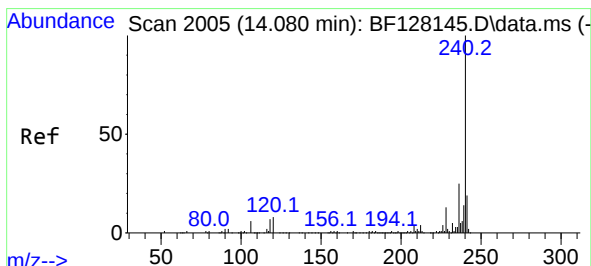
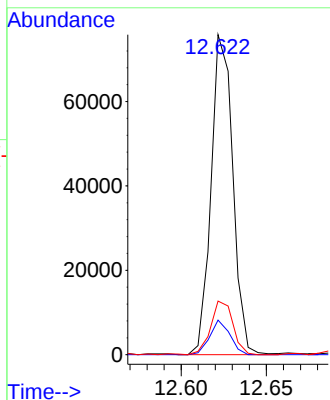
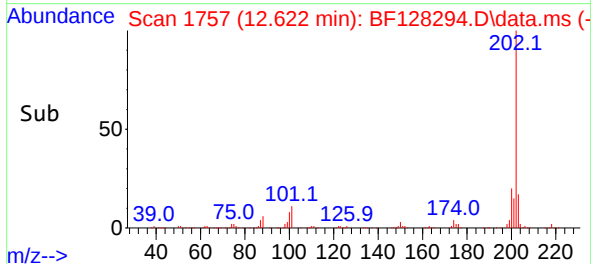
Instrument :
BNA_F
ClientSampleId :
TP2-0516



Tgt Ion:202 Resp: 67230
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.6
203 16.7 0.0 38.1

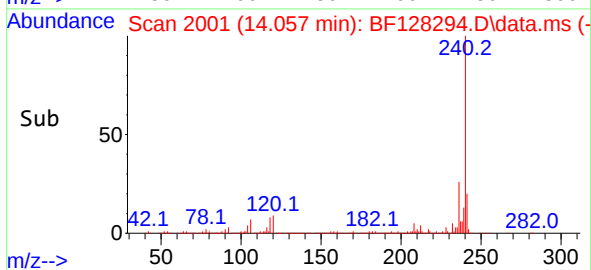
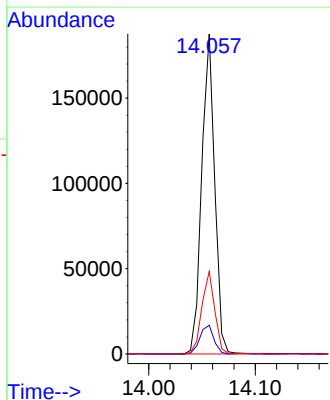
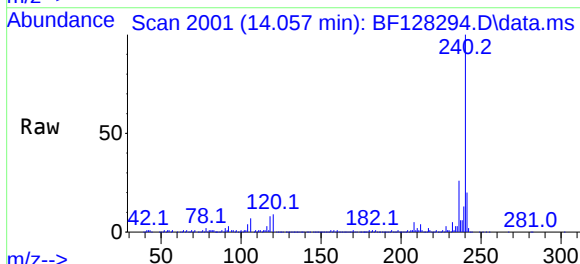
Manual Integrations
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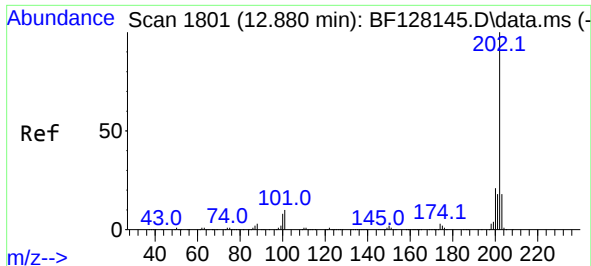
Reviewed By :Christian Giraldo 05/18/2022
Supervised By :Jagrut Upadhyay 05/18/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Tgt Ion:240 Resp: 159178
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 25.8 20.3 30.5





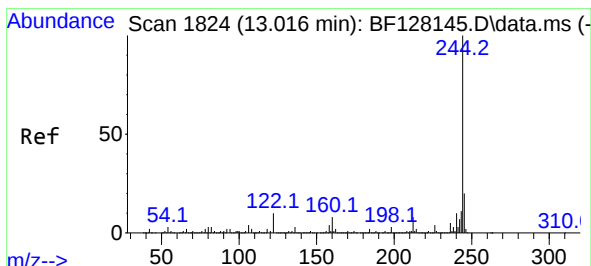
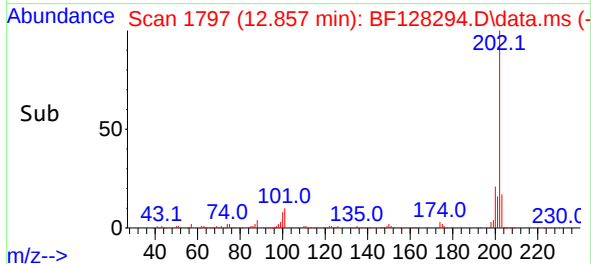
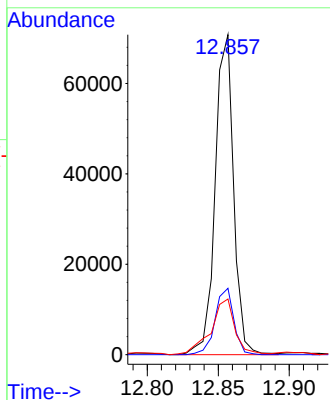
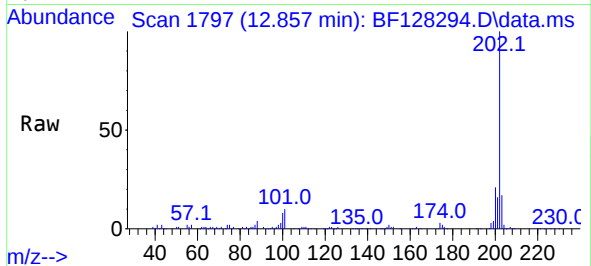
#78
Pyrene
Concen: 5.546 ng
RT: 12.857 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Instrument :
BNA_F
ClientSampleId :
TP2-0516

Tgt Ion:202 Resp: 64010
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 17.4 14.0 21.0

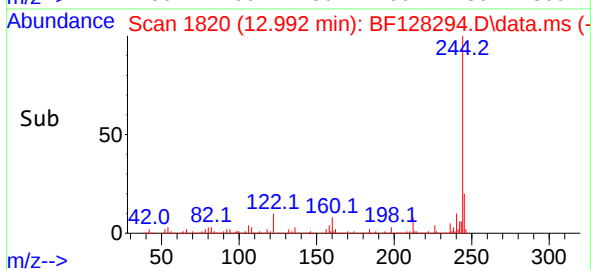
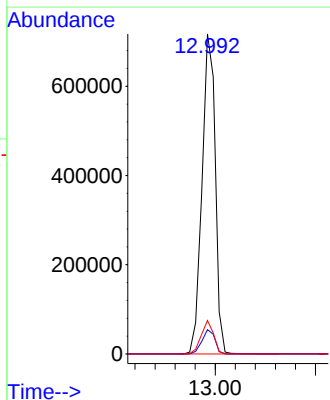
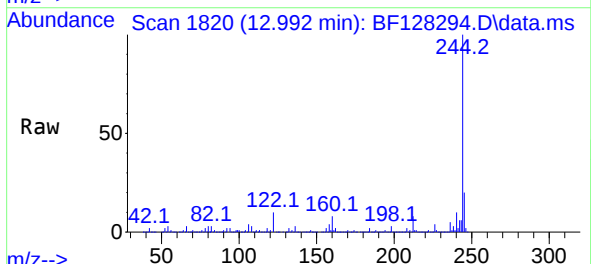
Manual Integrations
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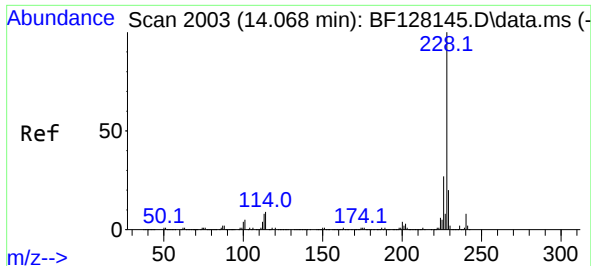
Reviewed By :Christian Giraldo 05/18/2022
Supervised By :Jagrut Upadhyay 05/18/2022



#79
Terphenyl-d14
Concen: 77.859 ng
RT: 12.992 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

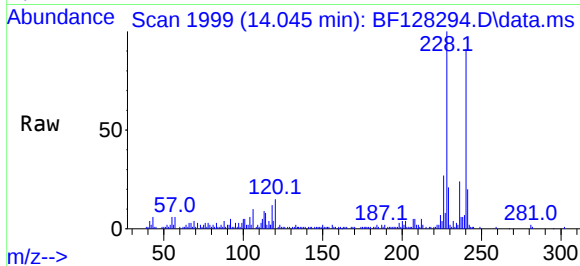
Tgt Ion:244 Resp: 660484
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.4
122 10.5 8.6 12.8





#81
Benzo(a)anthracene
Concen: 2.902 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

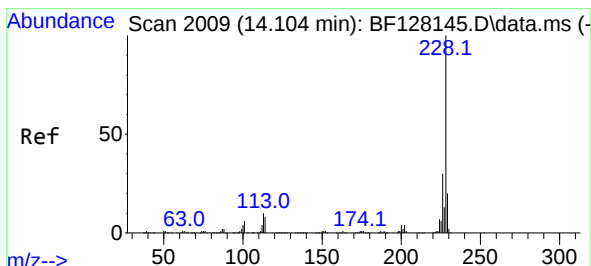
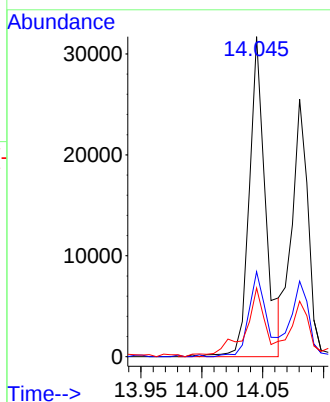
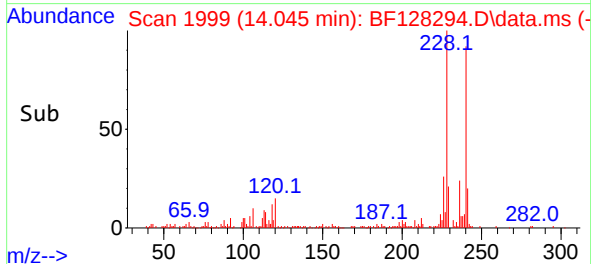
Instrument :
BNA_F
ClientSampleId :
TP2-0516



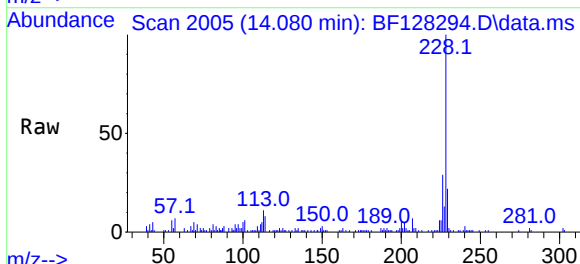
Tgt Ion:228 Resp: 2950
Ion Ratio Lower Upper
228 100
226 26.5 21.7 32.5
229 21.4 15.4 23.2

Manual Integrations
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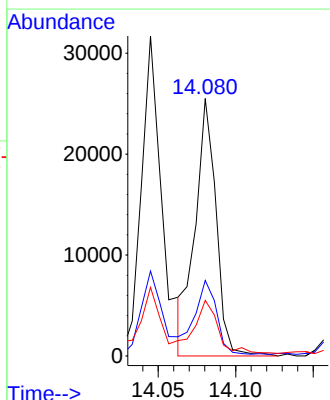
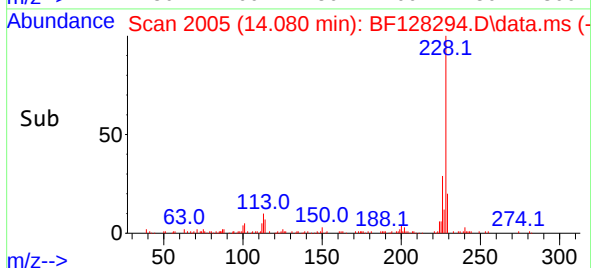
Reviewed By :Christian Giraldo 05/18/2022
Supervised By :Jagrut Upadhyay 05/18/2022

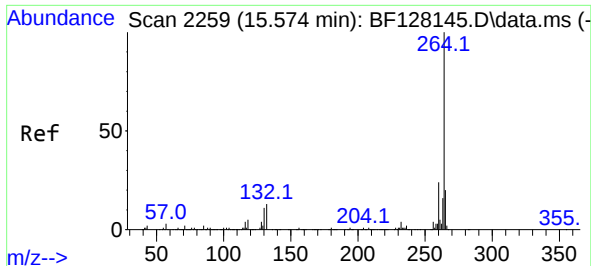


#83
Chrysene
Concen: 2.479 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43



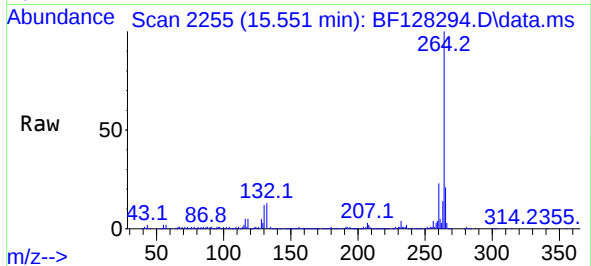
Tgt Ion:228 Resp: 24049
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 21.6 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

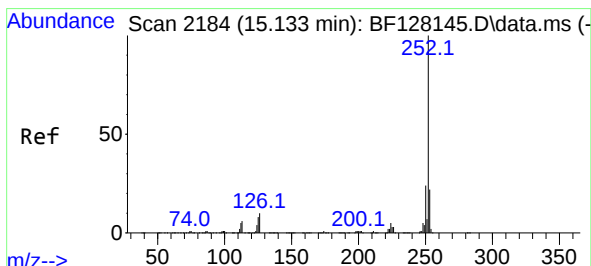
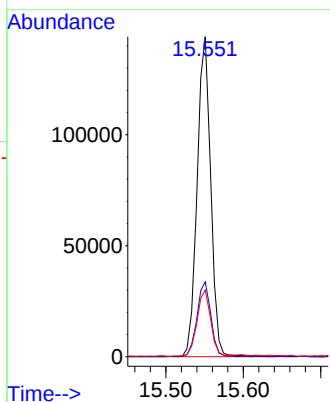
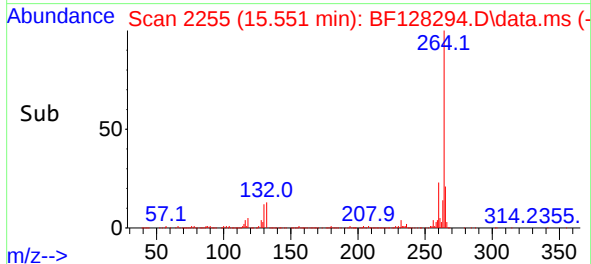
Instrument :
BNA_F
ClientSampleId :
TP2-0516



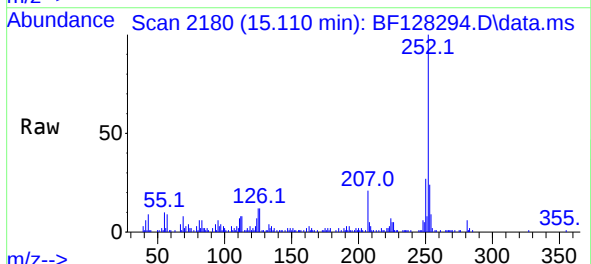
Tgt Ion:264 Resp: 175250
Ion Ratio Lower Upper
264 100
260 23.4 20.1 30.1
265 20.8 17.5 26.3

Manual Integrations
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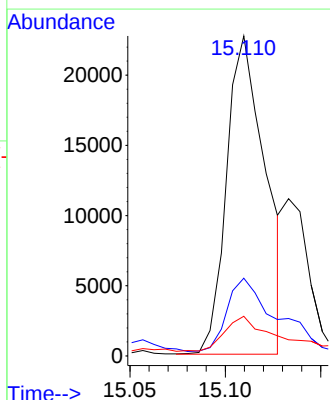
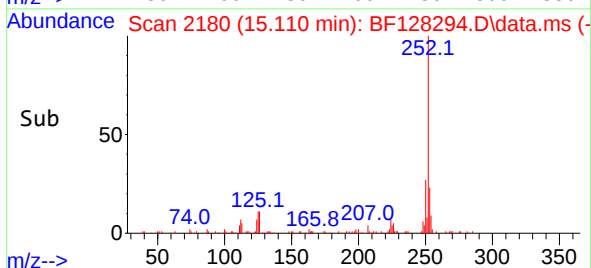
Reviewed By :Christian Giraldo 05/18/2022
Supervised By :Jagrut Upadhyay 05/18/2022

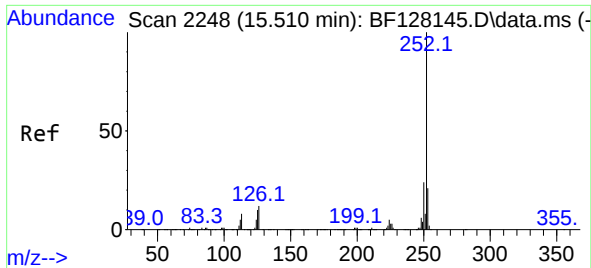


#88
Benzo(b)fluoranthene
Concen: 2.956 ng m
RT: 15.110 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43



Tgt Ion:252 Resp: 32110
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 12.4 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 2.741 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128294.D
Acq: 17 May 2022 16:43

Instrument :
BNA_F
ClientSampleId :
TP2-0516

Tgt Ion:252 Resp: 24039
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.6
125 9.3 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/18/2022
Supervised By :Jagrut Upadhyay 05/18/2022

