

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051622\
 Data File : BF128270.D
 Acq On : 16 May 2022 16:11
 Operator : CG\JU
 Sample : N2820-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STONE-PILE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/17/2022
 Supervised By : Jagrut Upadhyay 05/17/2022

Quant Time: May 17 06:22:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 14 00:51:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	83059	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	317549	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	166305	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	279944	20.000	ng	0.00
76) Chrysene-d12	14.062	240	210913	20.000	ng	0.00
86) Perylene-d12	15.556	264	146756	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	456585	87.631	ng	0.00
7) Phenol-d6	6.522	99	625547	90.772	ng	0.00
23) Nitrobenzene-d5	7.451	82	463739	65.712	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	128291	67.263	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	718541	67.604	ng	0.00
79) Terphenyl-d14	13.004	244	562562	50.049	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	37578	2.696	ng	98
75) Fluoranthene	12.633	202	106629	7.056	ng	96
78) Pyrene	12.863	202	87032	5.691	ng	99
81) Benzo(a)anthracene	14.051	228	31847	2.364	ng	98
83) Chrysene	14.092	228	45361	3.529	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	31526	3.670	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	20153	2.270	ng	94
88) Benzo(b)fluoranthene	15.115	252	51061m	5.613	ng	
89) Benzo(k)fluoranthene	15.145	252	19291m	2.148	ng	
90) Benzo(a)pyrene	15.492	252	27614	3.760	ng	# 91
92) Benzo(g,h,i)perylene	17.539	276	20064	2.757	ng	98

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

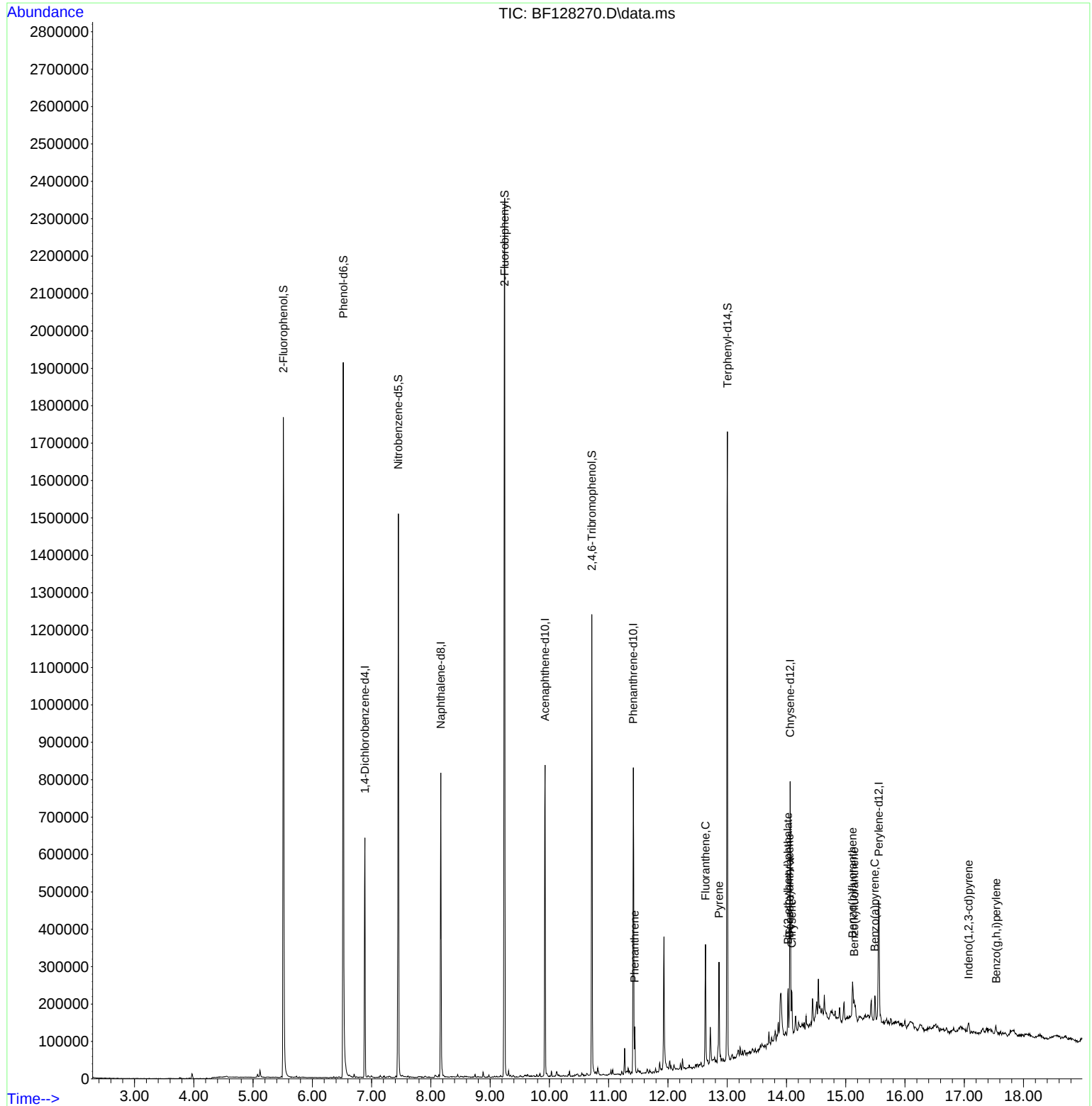
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051622\
Data File : BF128270.D
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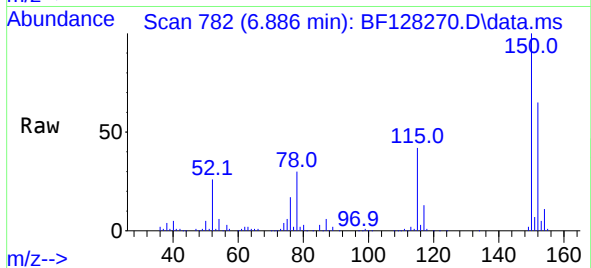
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 71
Delta R.T. -0.001 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

Instrument :

BNA_F

ClientSampleId :

STONE-PILE

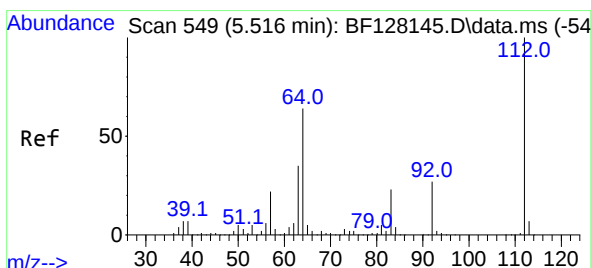
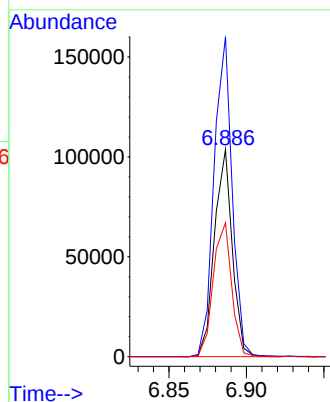
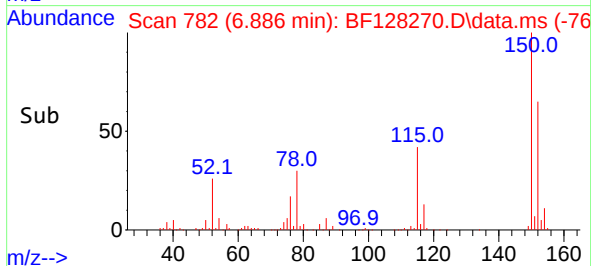


Tgt Ion:152 Resp: 83059
Ion Ratio Lower Upper
152 100
150 154.5 125.3 187.9
115 64.6 48.8 73.2

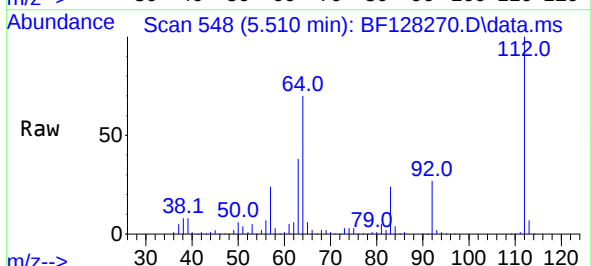
Manual Integrations

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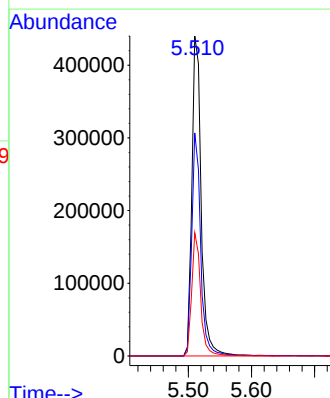
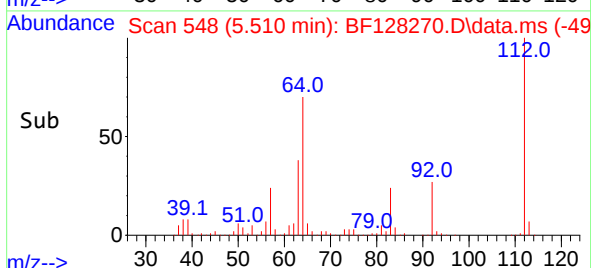
Reviewed By :Christian Giraldo 05/17/2022
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#5
2-Fluorophenol
Concen: 87.631 ng
RT: 5.510 min Scan# 548
Delta R.T. -0.000 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11



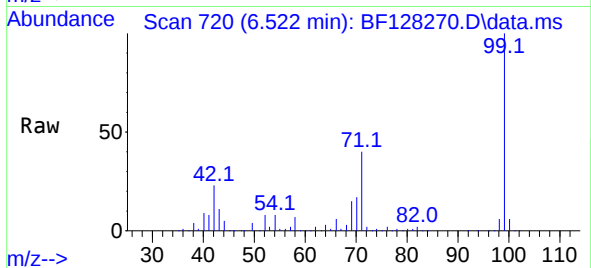
Tgt Ion:112 Resp: 456585
Ion Ratio Lower Upper
112 100
64 69.7 49.5 74.3
63 38.5 26.3 39.5





#7
Phenol-d6
Concen: 90.772 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

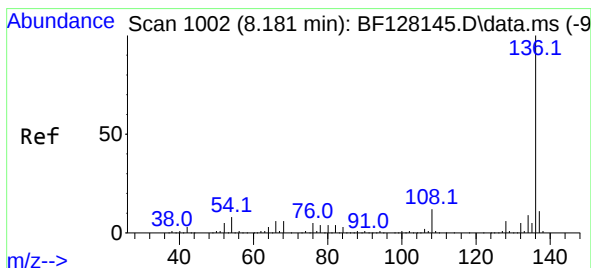
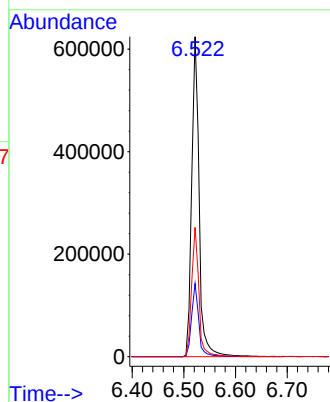
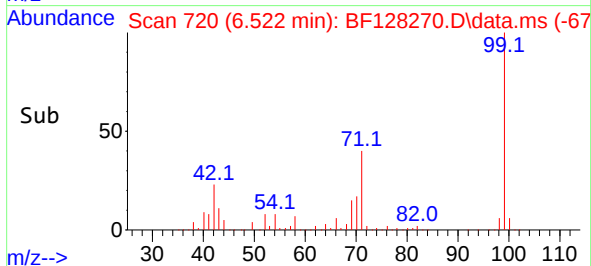
Instrument :
BNA_F
ClientSampleId :
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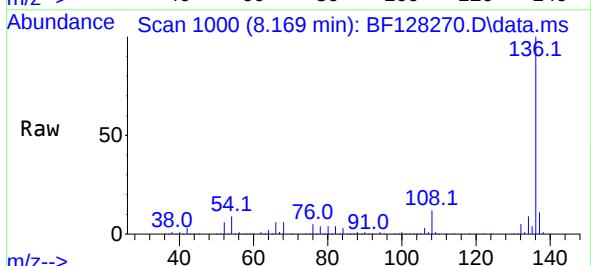
Tgt Ion: 99 Resp: 62554
Ion Ratio Lower Upper
99 100
42 22.8 16.6 24.8
71 40.4 30.0 45.0

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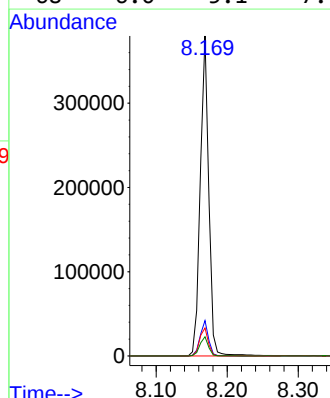
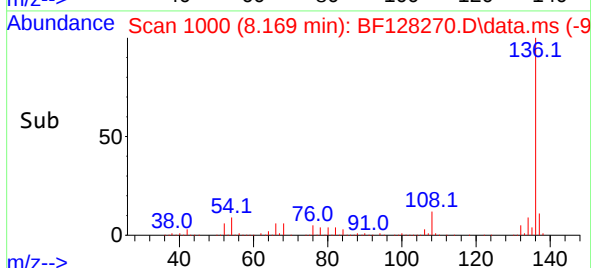
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11



Tgt Ion:136 Resp: 317549
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.7 6.8 10.2
68 6.0 5.1 7.7





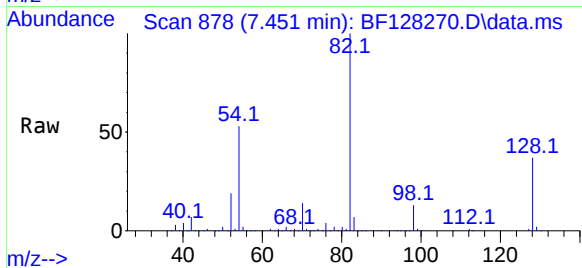
#23
Nitrobenzene-d5
Concen: 65.712 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

Instrument :

BNA_F

ClientSampleId :

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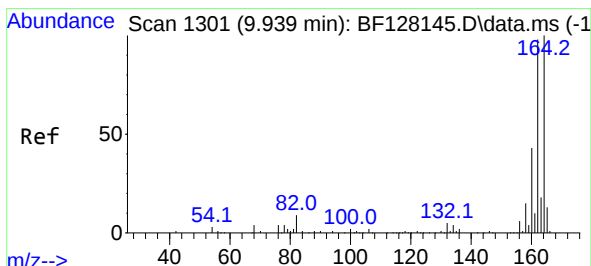
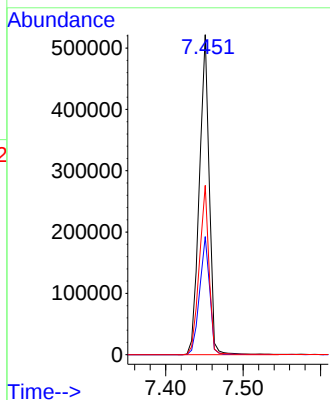
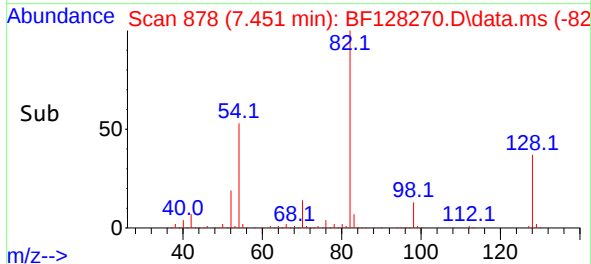


Tgt Ion: 82 Resp: 463739
Ion Ratio Lower Upper
82 100
128 36.9 30.0 45.0
54 52.9 41.3 61.9

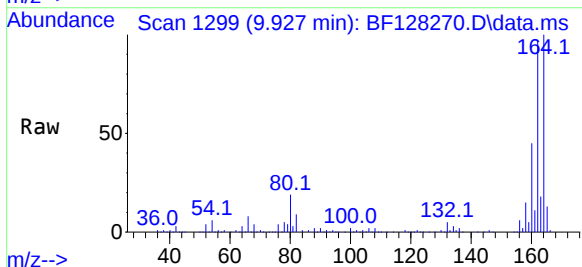
Manual Integrations

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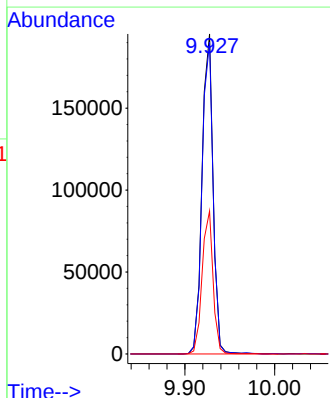
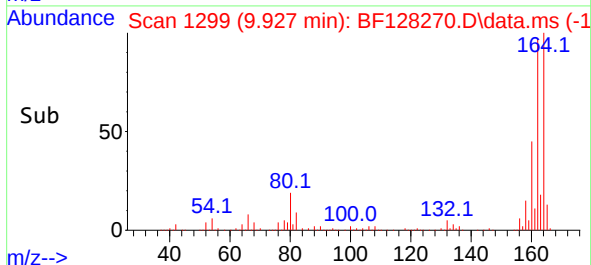
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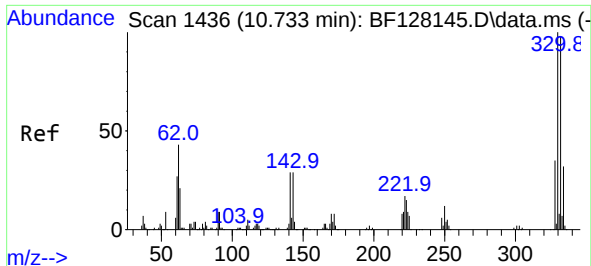


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11



Tgt Ion:164 Resp: 166305
Ion Ratio Lower Upper
164 100
162 97.4 76.0 114.0
160 44.7 34.8 52.2





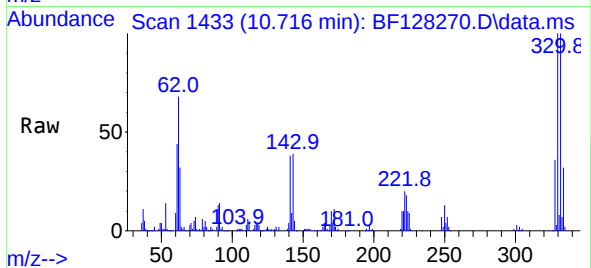
#42
2,4,6-Tribromophenol
Concen: 67.263 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

Instrument :

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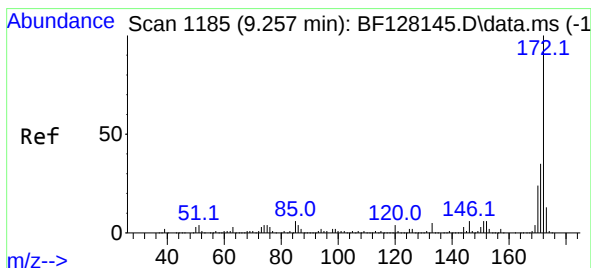
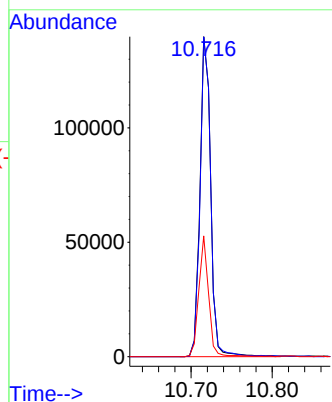
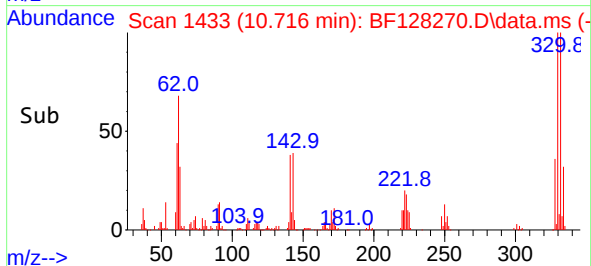


Tgt Ion:330 Resp: 12829
Ion Ratio Lower Upper
330 100
332 98.8 79.0 118.4
141 34.9 28.9 43.3

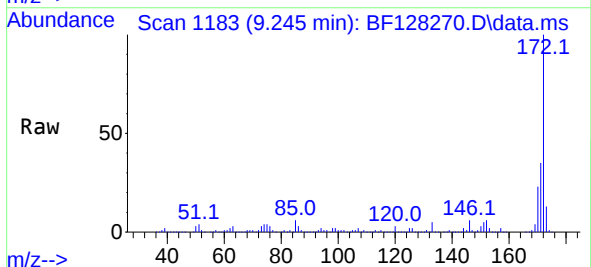
Manual Integrations

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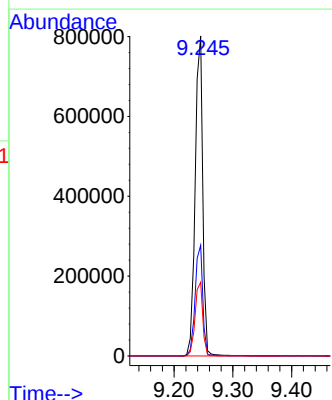
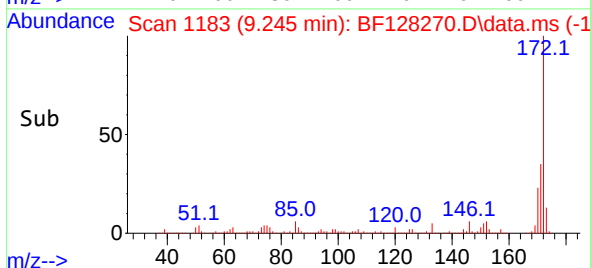
Reviewed By :Christian Giraldo 05/17/2022
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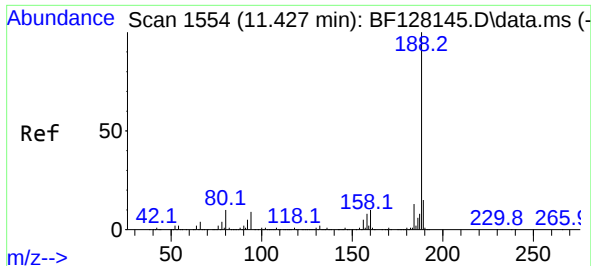


#45
2-Fluorobiphenyl
Concen: 67.604 ng
RT: 9.245 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11



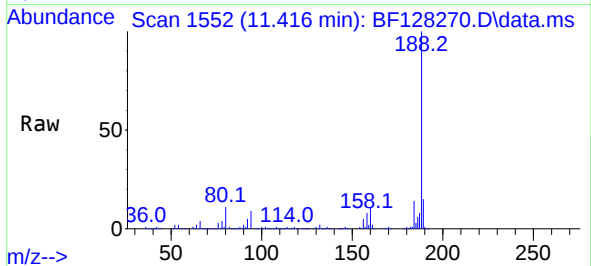
Tgt Ion:172 Resp: 718541
Ion Ratio Lower Upper
172 100
171 34.6 28.6 42.8
170 23.0 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

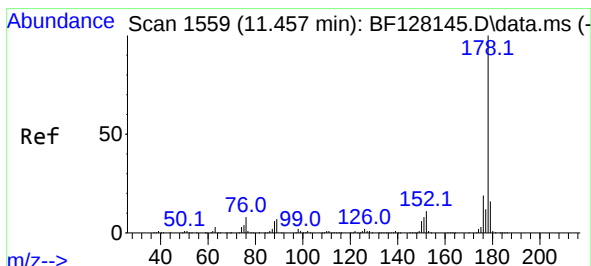
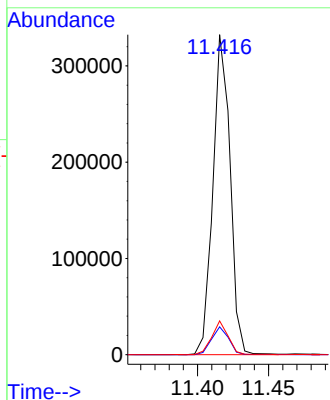
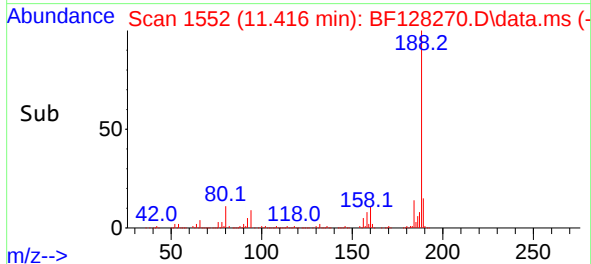
Instrument :
BNA_F
ClientSampleId :
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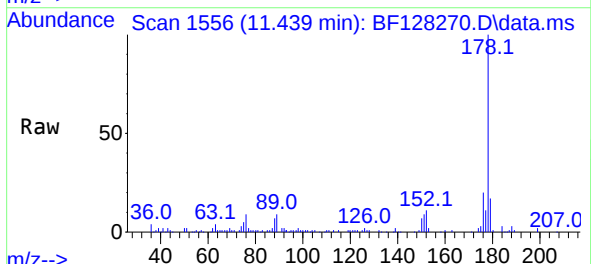
Tgt Ion:188 Resp: 279944
Ion Ratio Lower Upper
188 100
94 8.7 8.0 12.0
80 10.5 8.9 13.3

Manual Integrations
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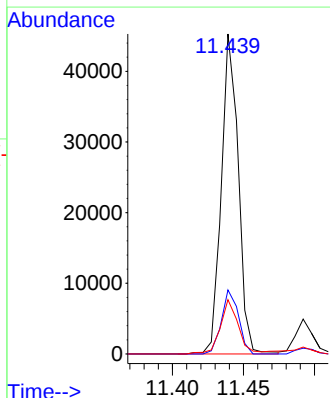
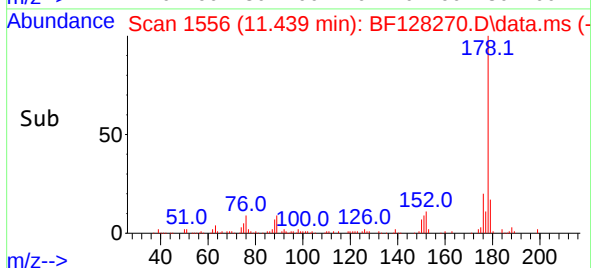
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

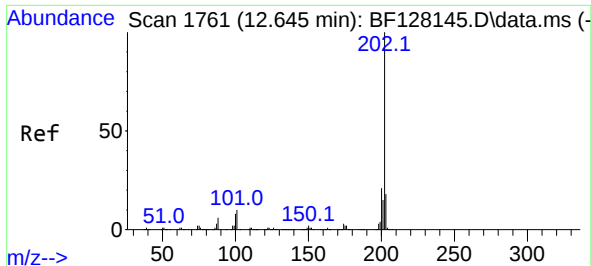


#71
Phenanthrene
Concen: 2.696 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.012 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11



Tgt Ion:178 Resp: 37578
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 17.0 12.6 19.0





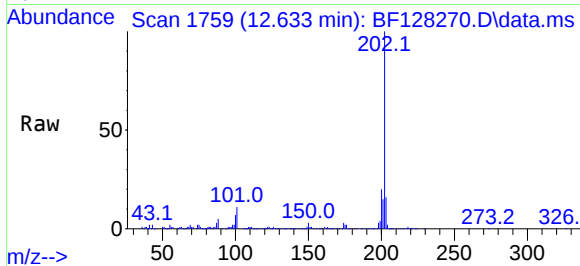
#75
Fluoranthene
Concen: 7.056 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

Instrument :

BNA_F

ClientSampleId :

STONE-PILE

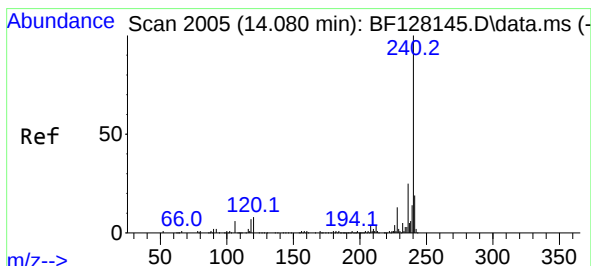
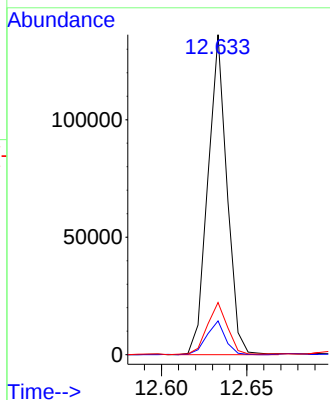
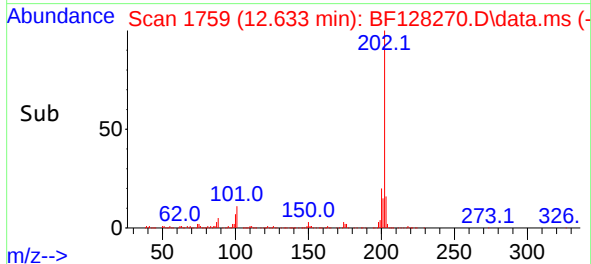


Tgt Ion:202 Resp: 106629
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.6
203 16.3 0.0 38.1

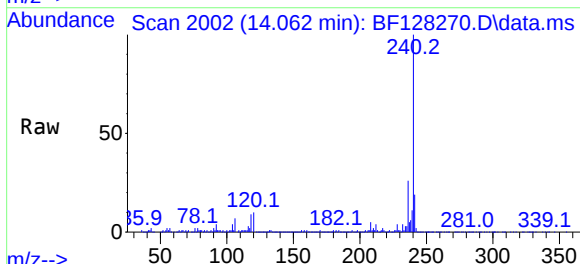
Manual Integrations

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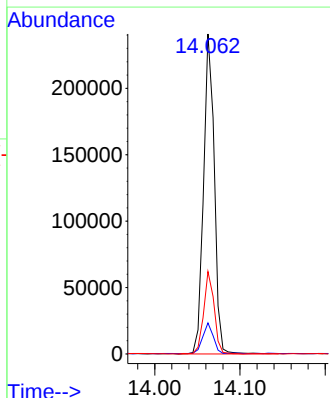
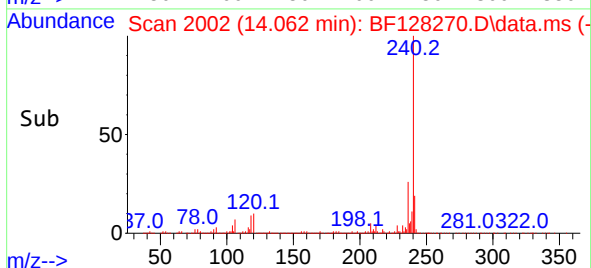
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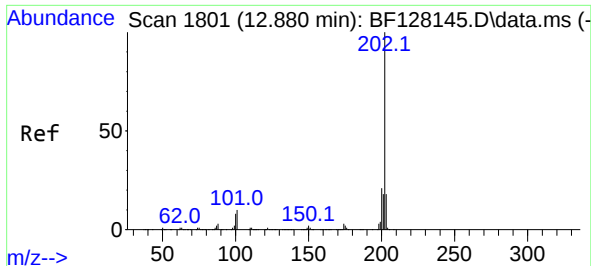


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11



Tgt Ion:240 Resp: 210913
Ion Ratio Lower Upper
240 100
120 9.7 7.0 10.6
236 25.8 20.3 30.5





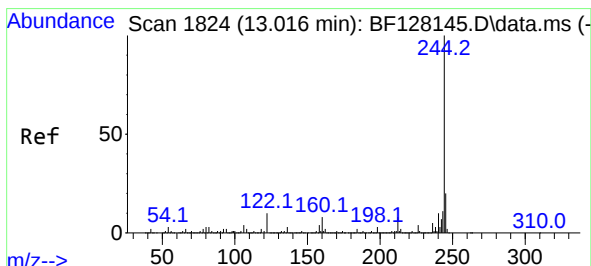
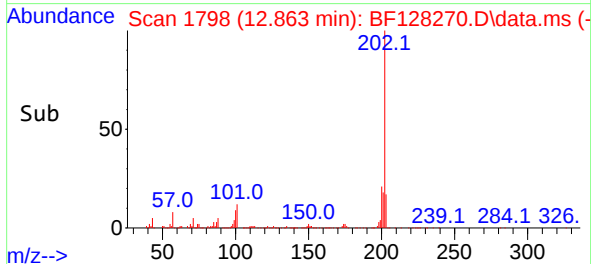
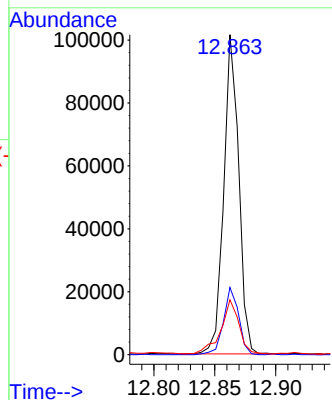
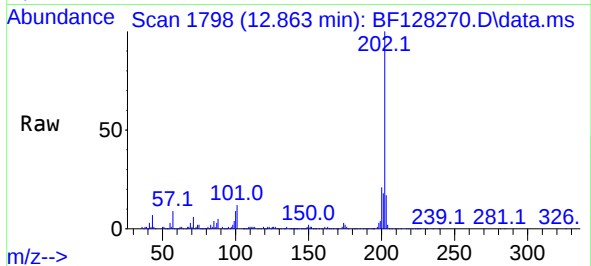
#78
Pyrene
Concen: 5.691 ng
RT: 12.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

Instrument :
BNA_F
ClientSampleId :
STONE-PILE

Tgt Ion:202 Resp: 8703
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.1 14.0 21.0

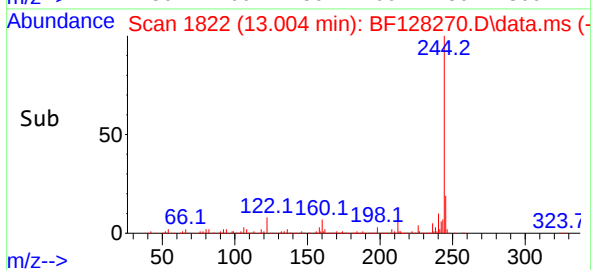
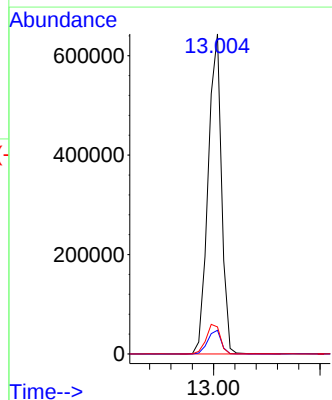
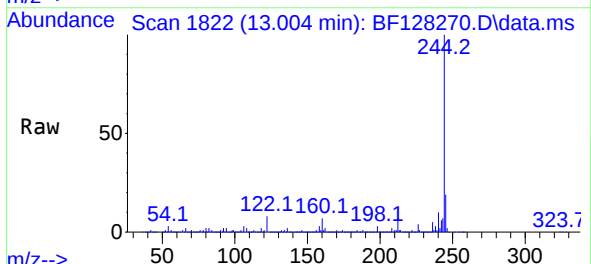
Manual Integrations
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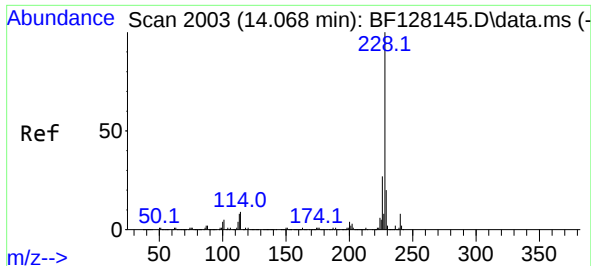
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#79
Terphenyl-d14
Concen: 50.049 ng
RT: 13.004 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

Tgt Ion:244 Resp: 562562
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.4
122 8.4 8.6 12.8#





#81
Benzo(a)anthracene
Concen: 2.364 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

Instrument :

BNA_F

ClientSampleId :

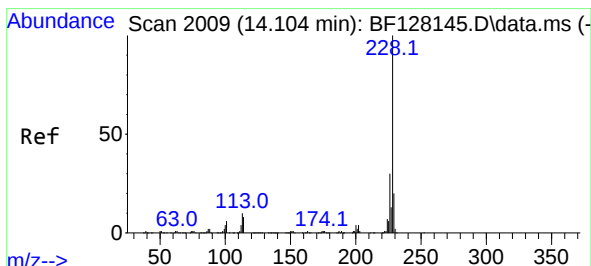
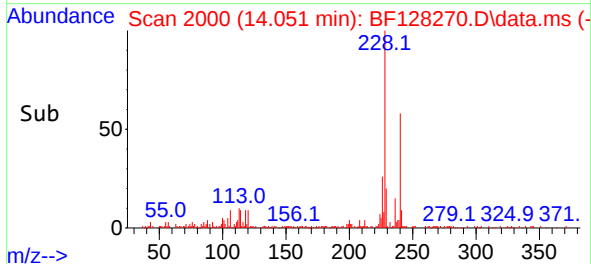
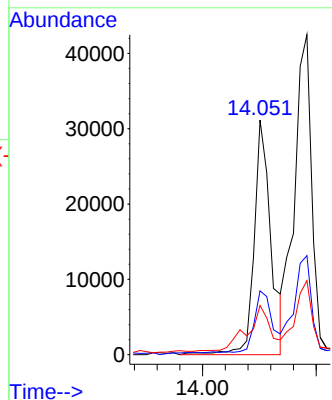
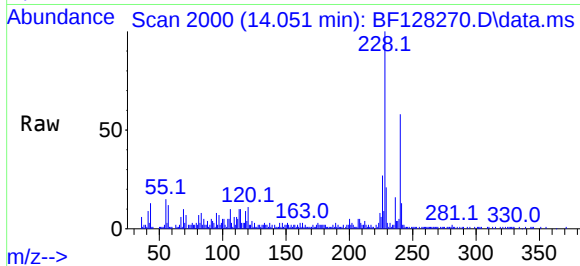
STONE-PILE

Tgt Ion:228 Resp: 3184
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 21.0 15.4 23.2

Manual Integrations

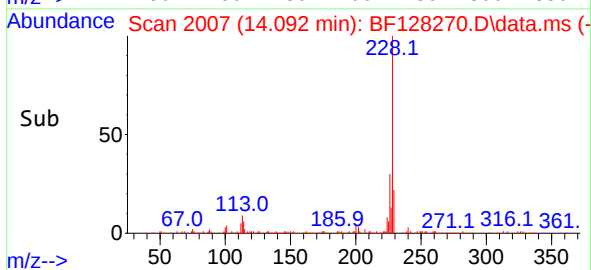
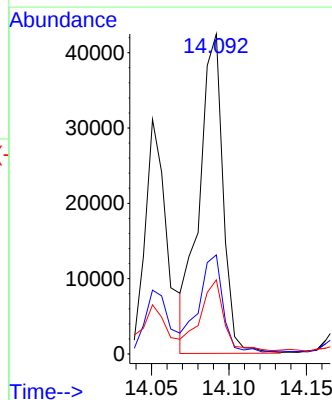
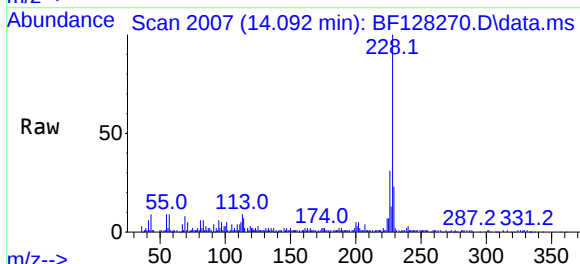
APPROVED

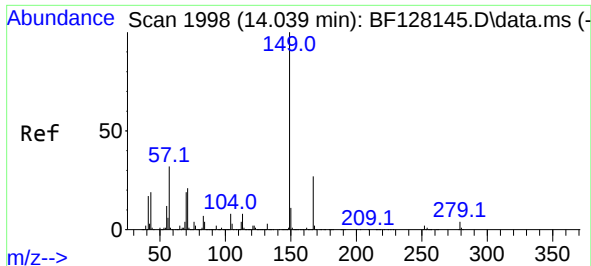
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#83
Chrysene
Concen: 3.529 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

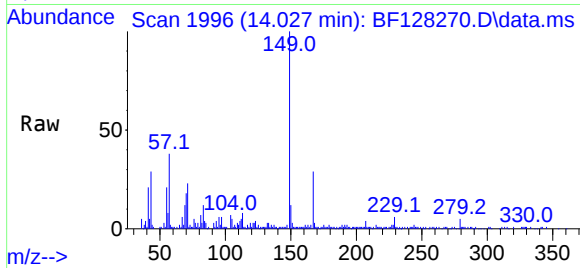
Tgt Ion:228 Resp: 45361
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 23.1 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.670 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

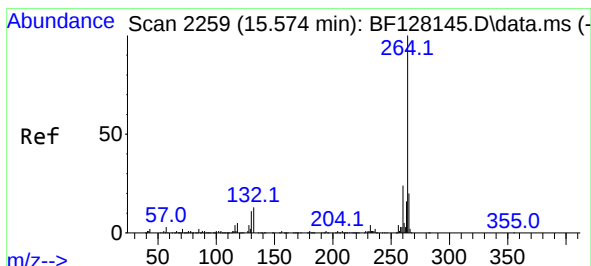
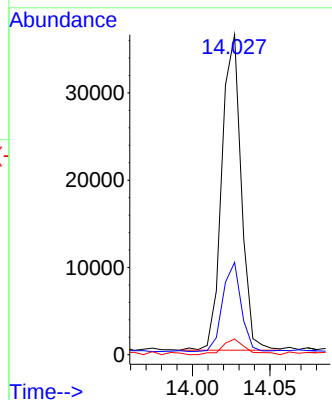
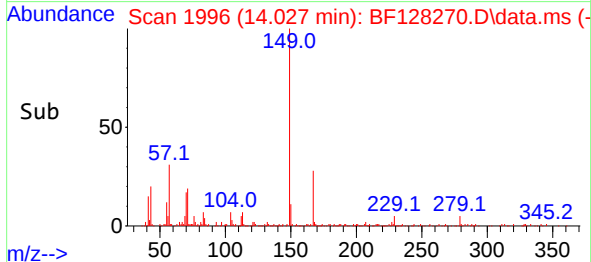
Instrument :
BNA_F
ClientSampleId :
STONE-PILE



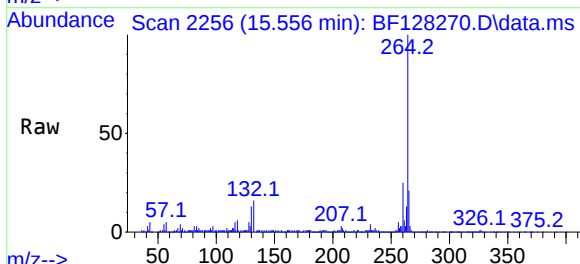
Tgt Ion:149 Resp: 31520
Ion Ratio Lower Upper
149 100
167 28.9 22.0 33.0
279 4.9 3.4 5.0

Manual Integrations
APPROVED

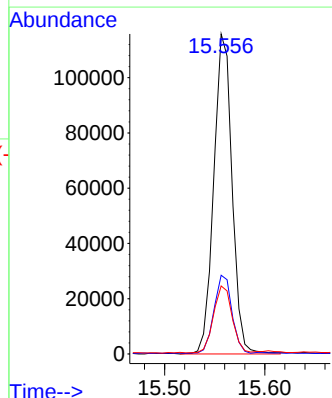
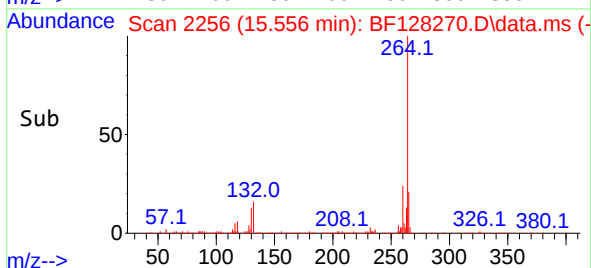
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

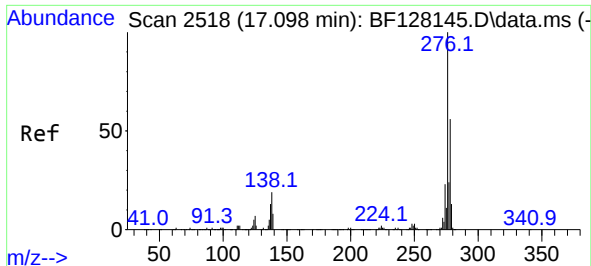


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11



Tgt Ion:264 Resp: 146756
Ion Ratio Lower Upper
264 100
260 24.6 20.1 30.1
265 21.3 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.270 ng
RT: 17.074 min Scan# 215
Delta R.T. -0.012 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

Instrument :

BNA_F

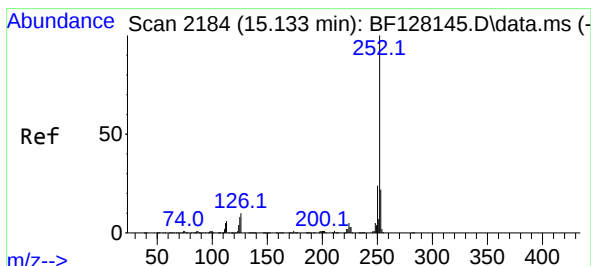
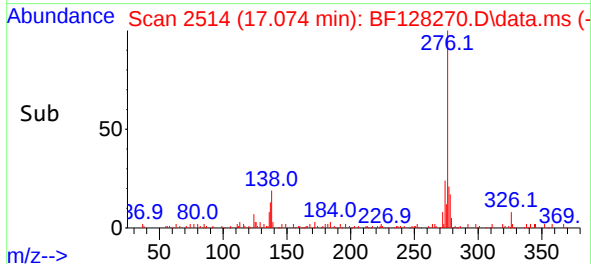
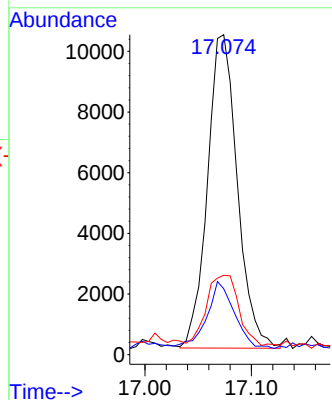
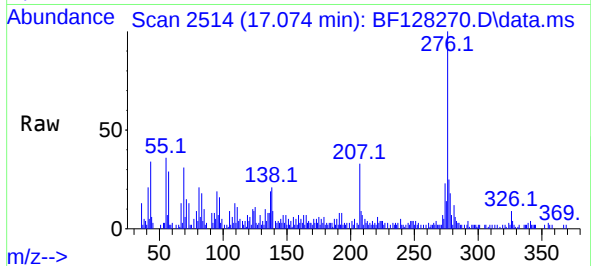
ClientSampleId :

STONE-PILE

Tgt Ion:276 Resp: 2015
Ion Ratio Lower Upper
276 100
138 19.9 19.0 28.4
277 23.4 20.1 30.1

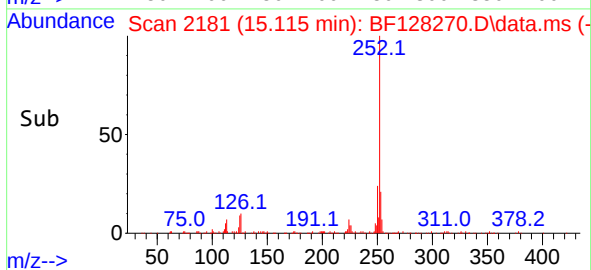
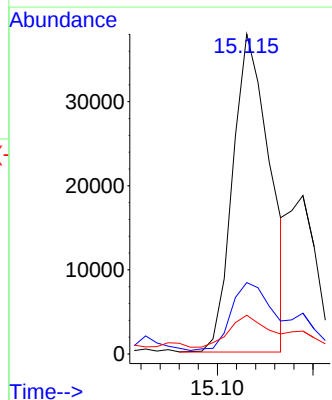
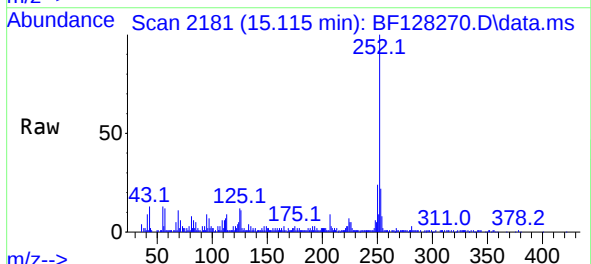
Manual Integrations
APPROVED

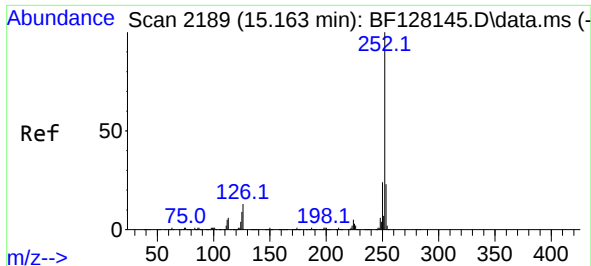
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#88
Benzo(b)fluoranthene
Concen: 5.613 ng m
RT: 15.115 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF128270.D
Acq: 16 May 2022 16:11

Tgt Ion:252 Resp: 51061
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 12.1 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 2.148 ng m

RT: 15.145 min Scan# 2189

Delta R.T. -0.006 min

Lab File: BF128270.D

Acq: 16 May 2022 16:11

Instrument :

BNA_F

ClientSampleId :

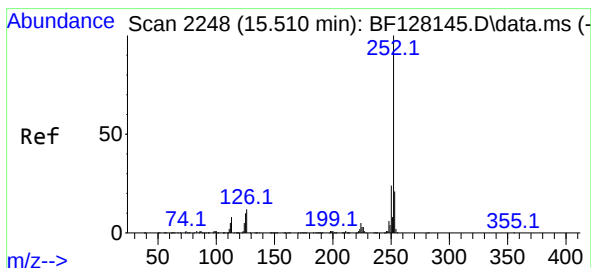
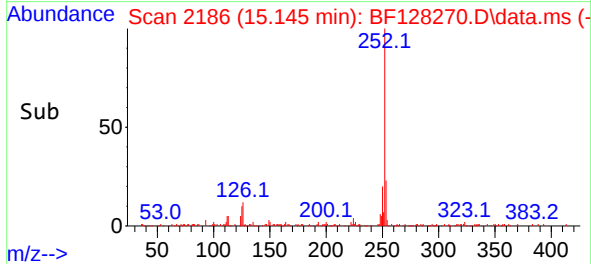
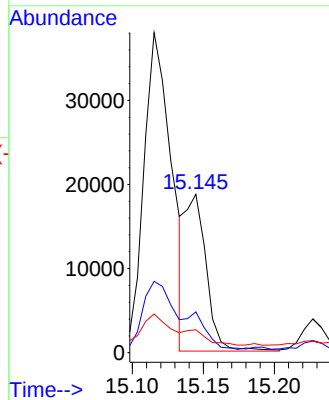
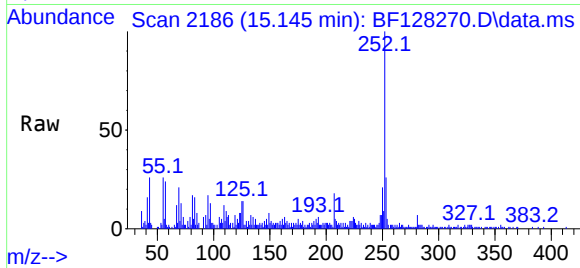
STONE-PILE

Tgt Ion:252	Resp:	1929
Ion Ratio	Lower	Upper
252	100	
253	25.7	17.0 25.4
125	14.4	6.8 10.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#90

Benzo(a)pyrene

Concen: 3.760 ng

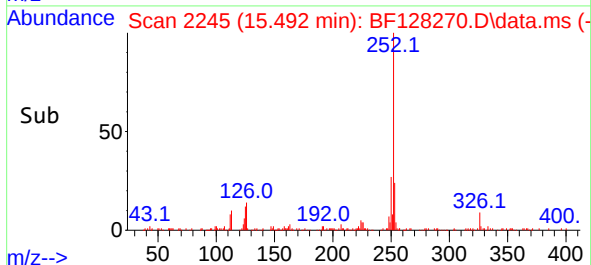
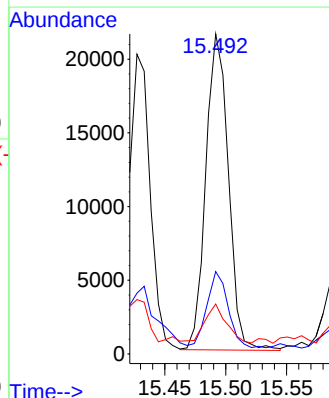
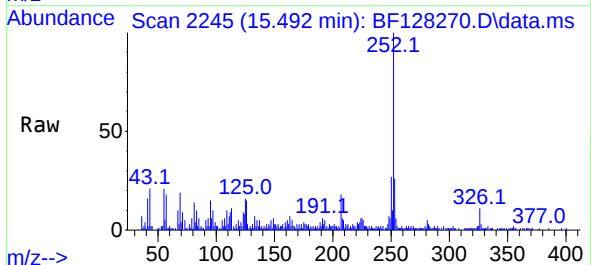
RT: 15.492 min Scan# 2245

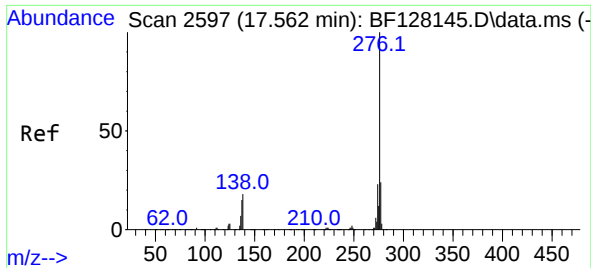
Delta R.T. -0.006 min

Lab File: BF128270.D

Acq: 16 May 2022 16:11

Tgt Ion:252	Resp:	27614
Ion Ratio	Lower	Upper
252	100	
253	25.7	17.8 26.6
125	15.6	9.2 13.8





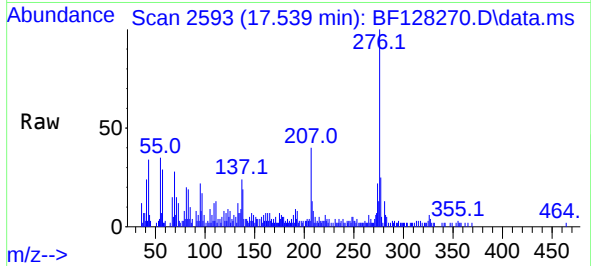
#92
 Benzo(g,h,i)perylene
 Concen: 2.757 ng
 RT: 17.539 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF128270.D
 Acq: 16 May 2022 16:11

Instrument :

BNA_F

ClientSampleId :

STONE-PILE



Tgt Ion: 276 Resp: 20064
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.8 28.2
 138 19.1 16.2 24.2

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 05/17/2022
 Supervised By : Jagrut Upadhyay 05/17/2022

