

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020422\
 Data File : BF126821.D
 Acq On : 04 Feb 2022 19:53
 Operator : CG/JU
 Sample : N1378-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ASTORIA-YARD-PIT-11-STOCKPILE

Quant Time: Feb 04 23:56:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 02 15:08:47 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/07/2022
 Supervised By : Jagrut Upadhyay 02/07/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	137511	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	531246	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	282017	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	399836	20.000	ng	# 0.00
76) Chrysene-d12	14.127	240	230520	20.000	ng	# 0.00
86) Perylene-d12	15.645	264	248932	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	987698	98.379	ng	0.00
7) Phenol-d6	6.563	99	1351232	97.297	ng	0.00
23) Nitrobenzene-d5	7.510	82	952830	67.125	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	258890	88.453	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1149580	67.496	ng	0.00
79) Terphenyl-d14	13.074	244	855046	62.049	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.251	128	156143	5.623	ng	99
37) 2-Methylnaphthalene	8.939	142	58676	3.429	ng	100
38) 1-Methylnaphthalene	9.039	142	37312	2.265	ng	97
49) Acenaphthylene	9.845	152	120333	4.760	ng	98
71) Phenanthrene	11.504	178	351503	15.873	ng	98
72) Anthracene	11.557	178	86099m	3.882	ng	
75) Fluoranthene	12.704	202	376064	16.696	ng	96
78) Pyrene	12.933	202	508474	27.601	ng	100
81) Benzo(a)anthracene	14.115	228	215589m	14.016	ng	
83) Chrysene	14.157	228	217647	14.945	ng	96
87) Indeno(1,2,3-cd)pyrene	17.192	276	164558m	10.838	ng	
88) Benzo(b)fluoranthene	15.192	252	299128m	18.377	ng	
89) Benzo(k)fluoranthene	15.221	252	79572m	4.901	ng	
90) Benzo(a)pyrene	15.580	252	245903m	18.952	ng	
91) Dibenzo(a,h)anthracene	17.203	278	39220	3.154	ng	95
92) Benzo(g,h,i)perylene	17.662	276	176490	14.368	ng	# 90

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

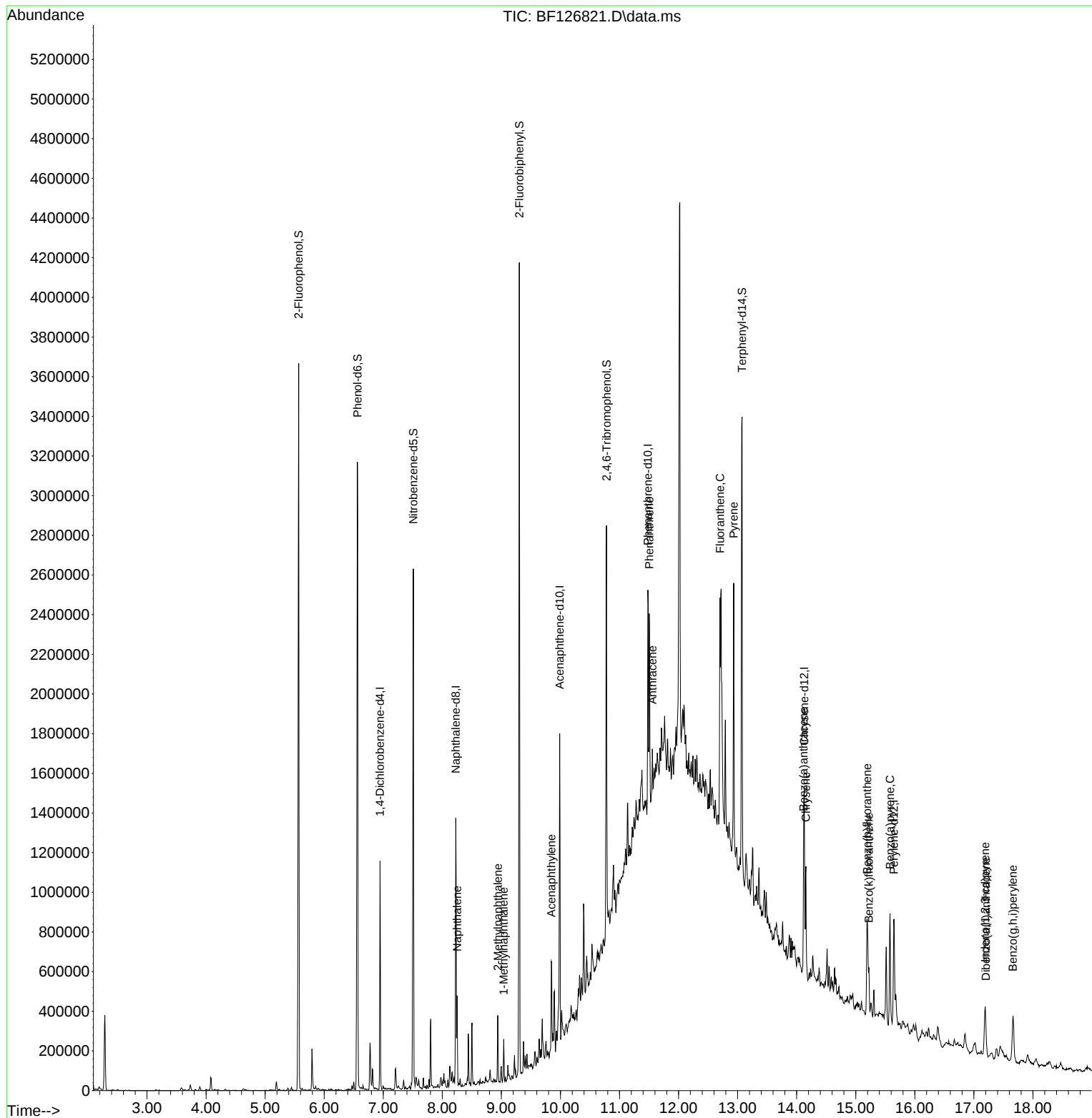
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020422\
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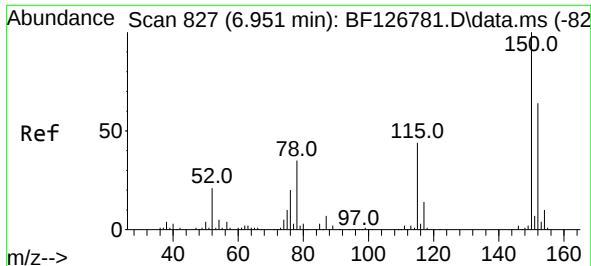
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Quant Time: Feb 04 23:56:01 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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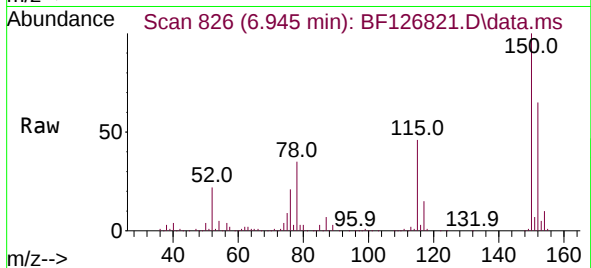
Reviewed By :Christian Giraldo 02/07/2022
Supervised By :Jagrut Upadhyay 02/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

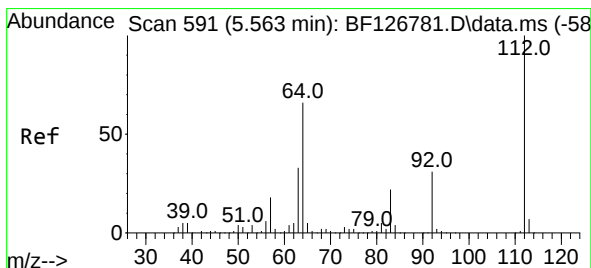
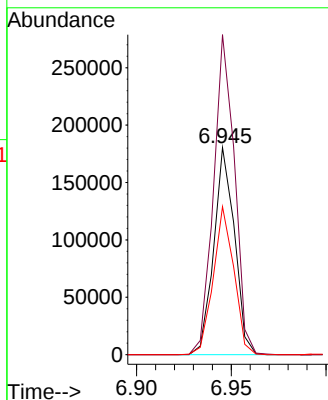
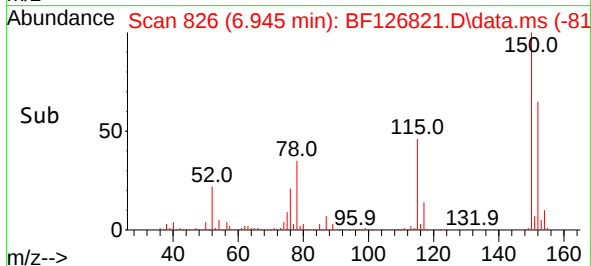
Instrument :
BNA_F
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE



Tgt Ion:152 Resp: 13751
Ion Ratio Lower Upper
152 100
150 154.4 128.1 192.1
115 71.4 56.7 85.1

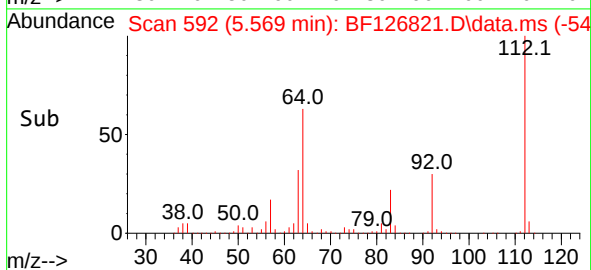
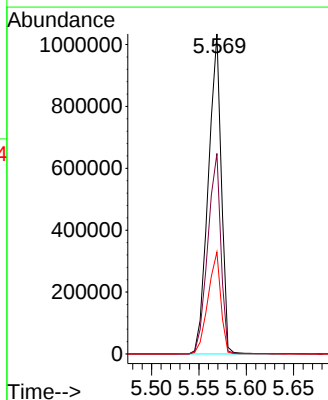
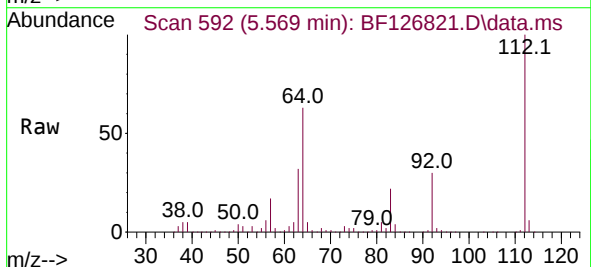
Manual Integrations
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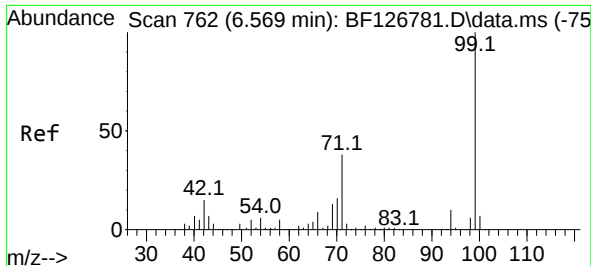
Reviewed By :Christian Giraldo 02/07/2022
Supervised By :Jagrut Upadhyay 02/07/2022



#5
2-Fluorophenol
Concen: 98.379 ng
RT: 5.569 min Scan# 592
Delta R.T. 0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

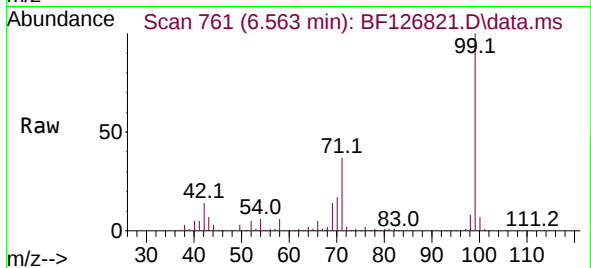
Tgt Ion:112 Resp: 987698
Ion Ratio Lower Upper
112 100
64 62.7 49.5 74.3
63 31.9 23.9 35.9





#7
Phenol-d6
Concen: 97.297 ng
RT: 6.563 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

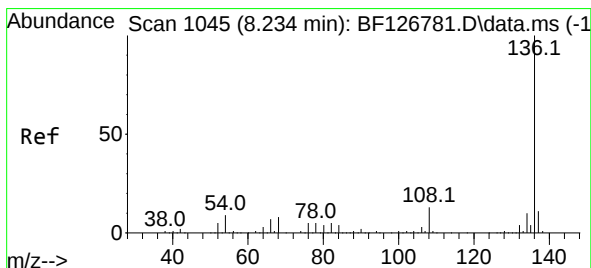
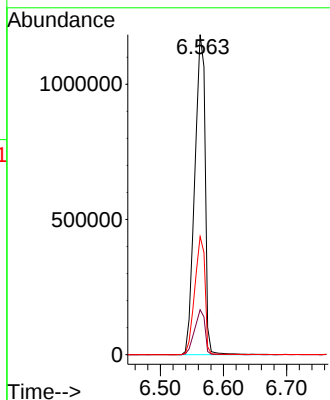
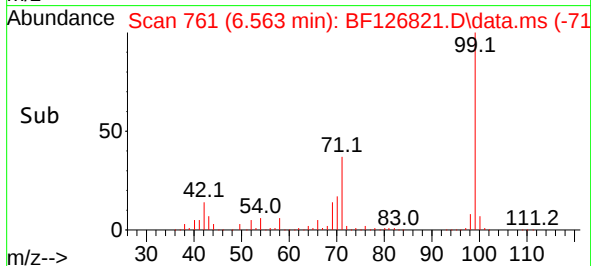
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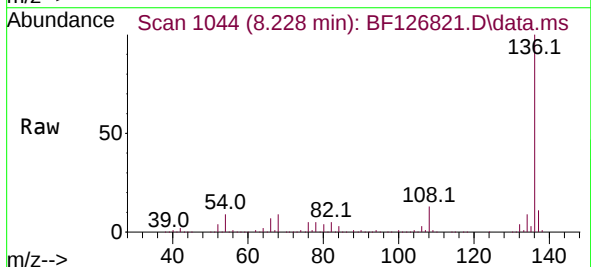
Tgt Ion: 99 Resp: 135123
Ion Ratio Lower Upper
99 100
42 14.1 14.2 21.4
71 36.9 24.3 36.5

Manual Integrations
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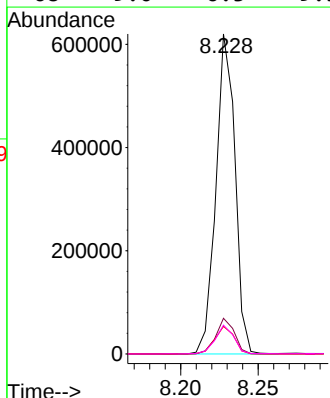
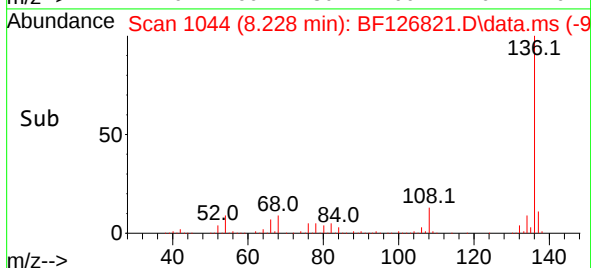
Reviewed By :Christian Giraldo 02/07/2022
Supervised By :Jagrut Upadhyay 02/07/2022

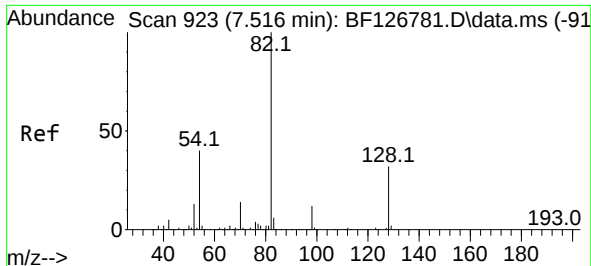


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53



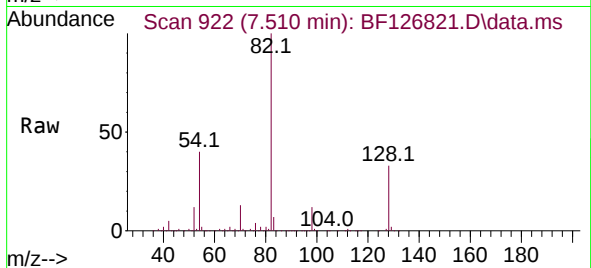
Tgt Ion:136 Resp: 531246
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.6 7.8 11.6
68 9.0 6.3 9.5





#23
Nitrobenzene-d5
Concen: 67.125 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

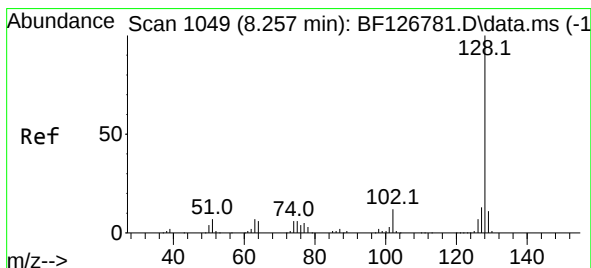
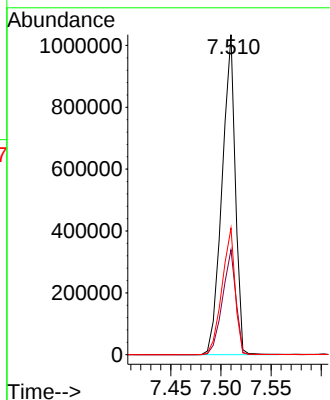
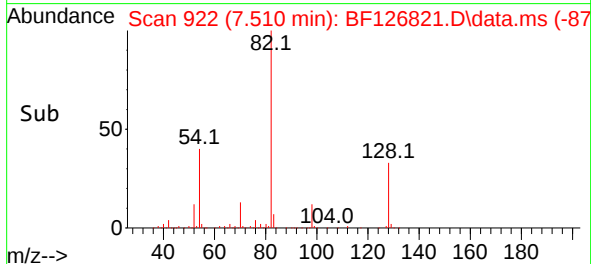
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 952830
Ion Ratio Lower Upper
82 100
128 32.8 32.7 49.1
54 39.6 41.7 62.5

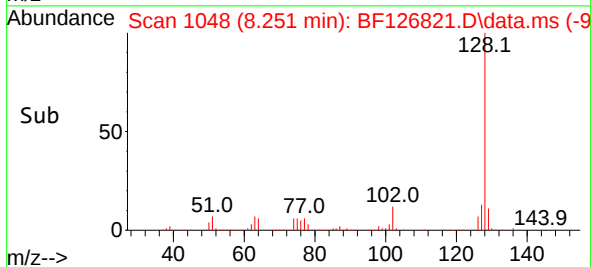
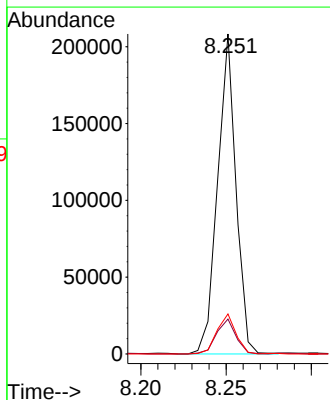
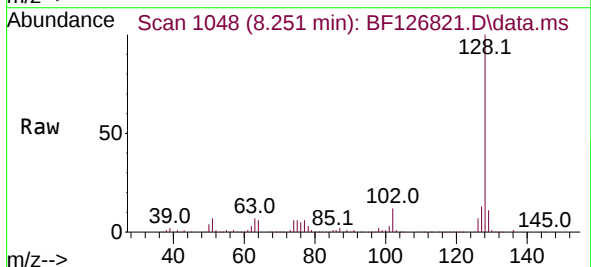
Manual Integrations
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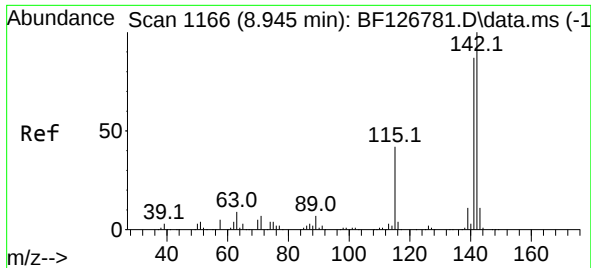
Reviewed By :Christian Giraldo 02/07/2022
Supervised By :Jagrut Upadhyay 02/07/2022



#31
Naphthalene
Concen: 5.623 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

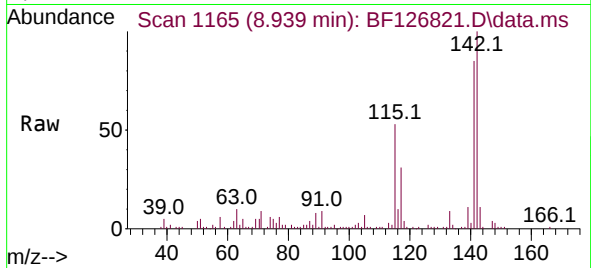
Tgt Ion:128 Resp: 156143
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.5 10.3 15.5





#37
2-Methylnaphthalene
Concen: 3.429 ng
RT: 8.939 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

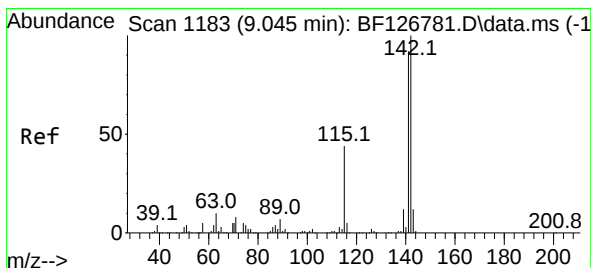
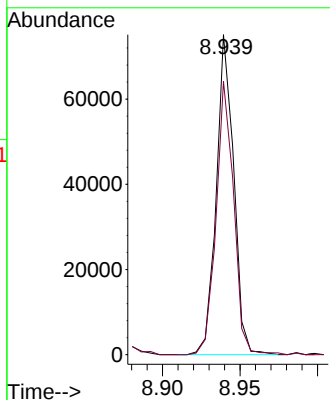
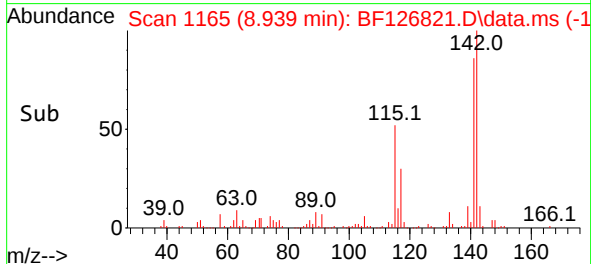
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:142 Resp: 58670
Ion Ratio Lower Upper
142 100
141 85.5 68.6 102.8

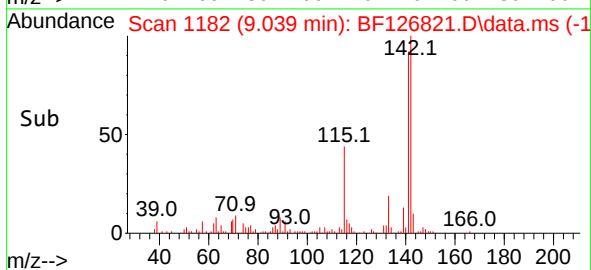
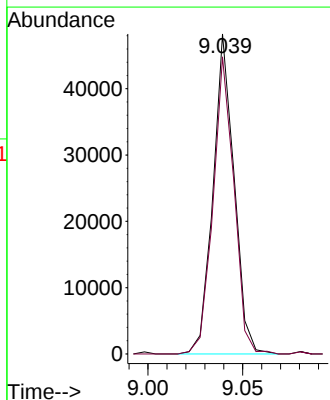
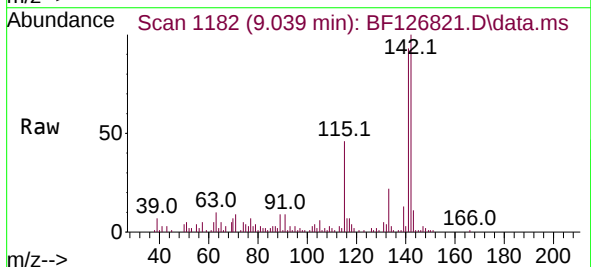
Manual Integrations
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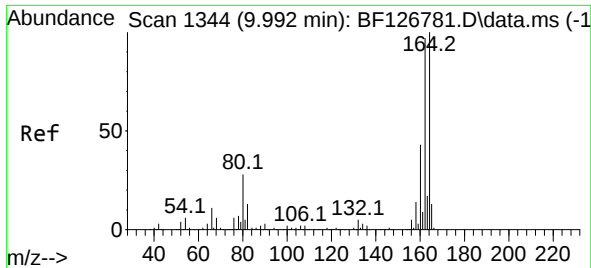
Reviewed By :Christian Giraldo 02/07/2022
Supervised By :Jagrut Upadhyay 02/07/2022



#38
1-Methylnaphthalene
Concen: 2.265 ng
RT: 9.039 min Scan# 1182
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

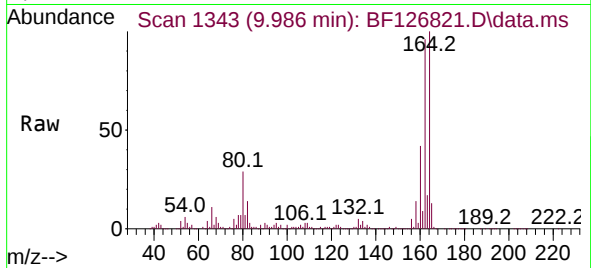
Tgt Ion:142 Resp: 37312
Ion Ratio Lower Upper
142 100
141 92.8 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

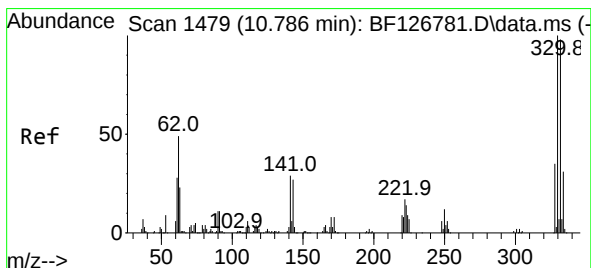
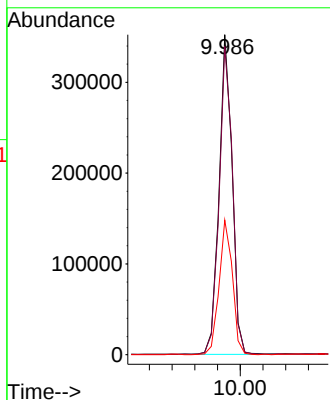
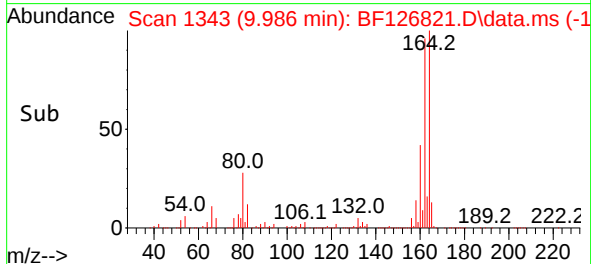
Instrument :
BNA_F
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE



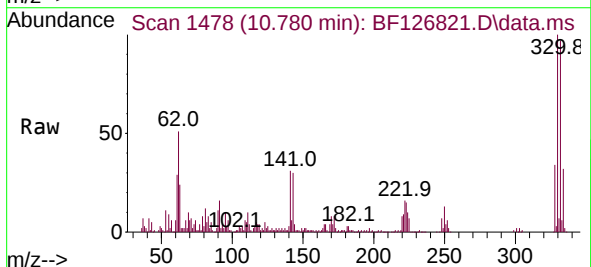
Tgt Ion:164 Resp: 28201
Ion Ratio Lower Upper
164 100
162 96.3 81.4 122.0
160 42.0 36.6 54.8

Manual Integrations
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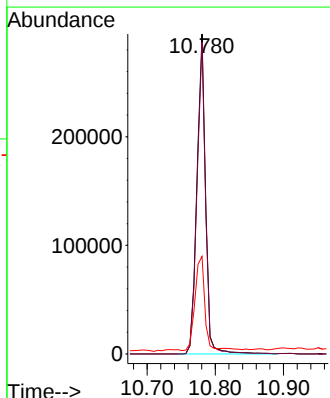
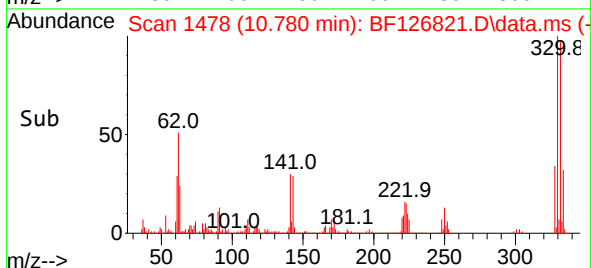
Reviewed By :Christian Giraldo 02/07/2022
Supervised By :Jagrut Upadhyay 02/07/2022

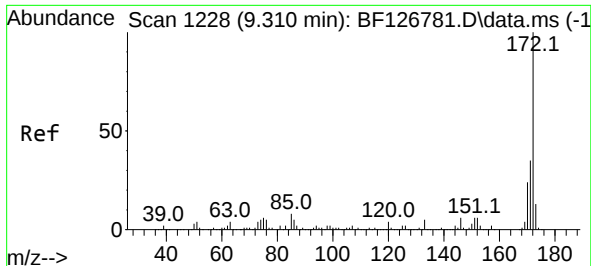


#42
2,4,6-Tribromophenol
Concen: 88.453 ng
RT: 10.780 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53



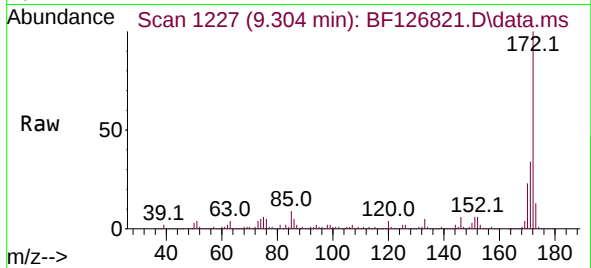
Tgt Ion:330 Resp: 258890
Ion Ratio Lower Upper
330 100
332 95.9 76.0 114.0
141 32.8 30.1 45.1





#45
2-Fluorobiphenyl
Concen: 67.496 ng
RT: 9.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

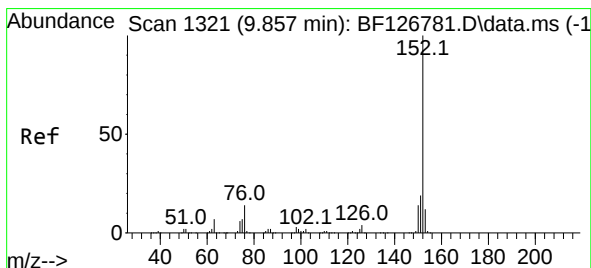
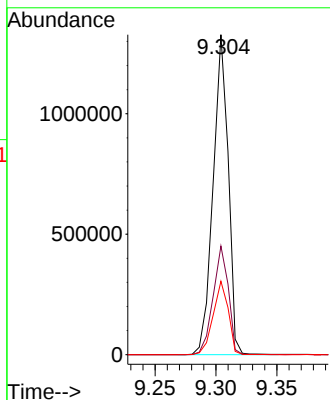
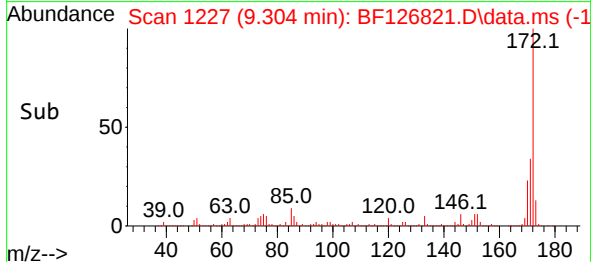
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ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE



Tgt Ion:172 Resp: 1149580
Ion Ratio Lower Upper
172 100
171 33.9 28.3 42.5
170 23.0 19.0 28.6

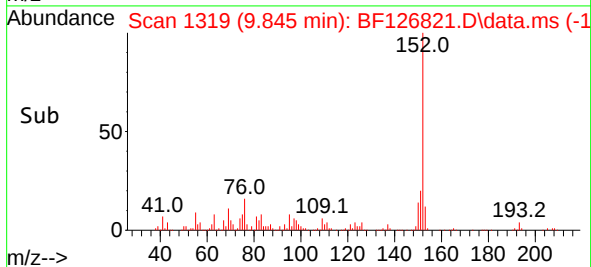
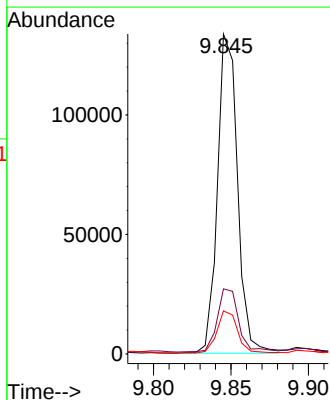
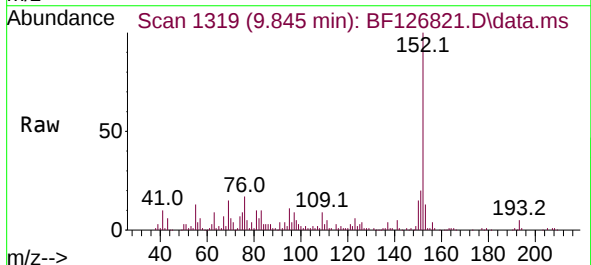
Manual Integrations
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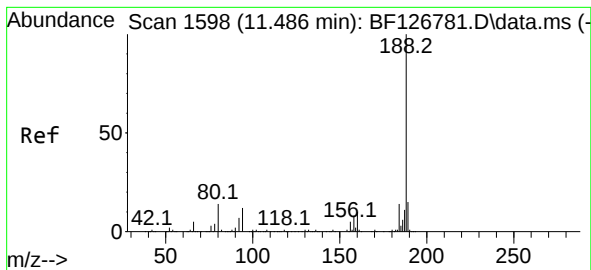
Reviewed By :Christian Giraldo 02/07/2022
Supervised By :Jagrut Upadhyay 02/07/2022



#49
Acenaphthylene
Concen: 4.760 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

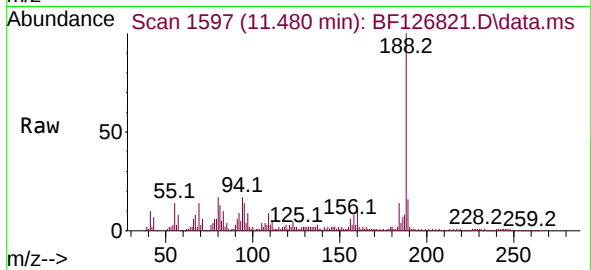
Tgt Ion:152 Resp: 120333
Ion Ratio Lower Upper
152 100
151 20.3 15.7 23.5
153 13.4 11.4 17.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

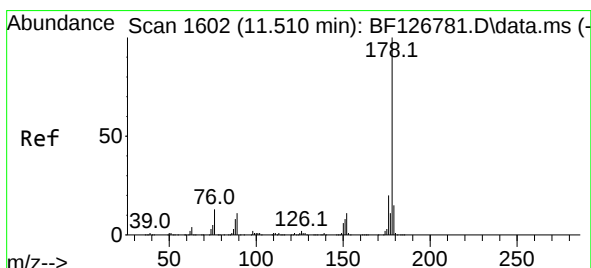
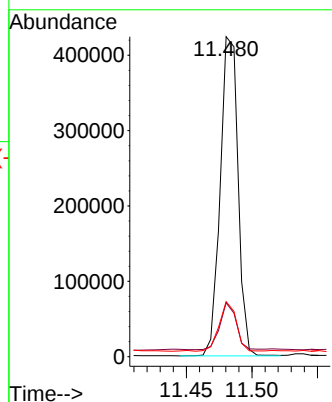
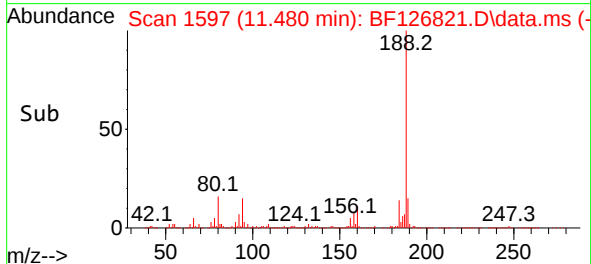
Instrument :
BNA_F
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE



Tgt Ion:188 Resp: 399830
Ion Ratio Lower Upper
188 100
94 16.8 10.1 15.1
80 17.2 11.8 17.6

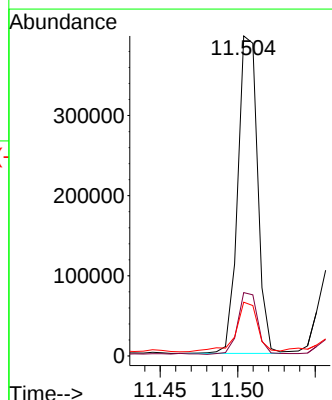
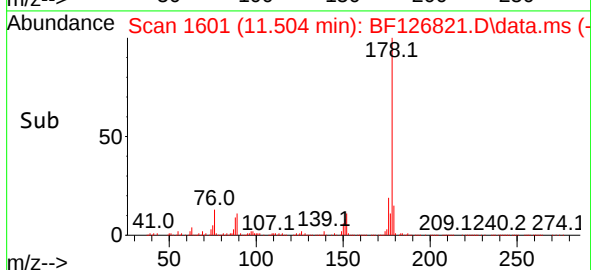
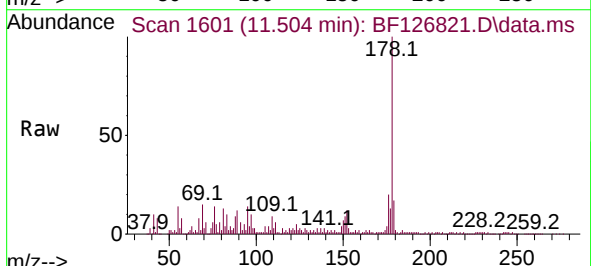
Manual Integrations
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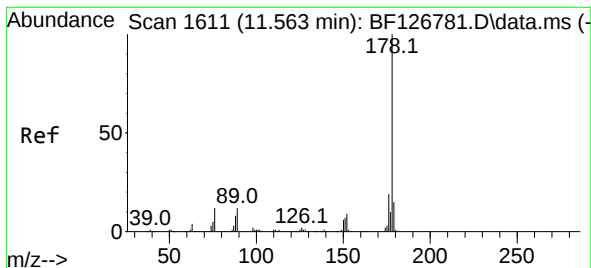
Reviewed By :Christian Giraldo 02/07/2022
Supervised By :Jagrut Upadhyay 02/07/2022



#71
Phenanthrene
Concen: 15.873 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

Tgt Ion:178 Resp: 351503
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 16.8 12.3 18.5





#72

Anthracene

Concen: 3.882 ng m

RT: 11.557 min Scan# 1610

Delta R.T. -0.006 min

Lab File: BF126821.D

Acq: 04 Feb 2022 19:53

Instrument :

BNA_F

ClientSampleId :

ASTORIA-YARD-PIT-11-STOCKPILE

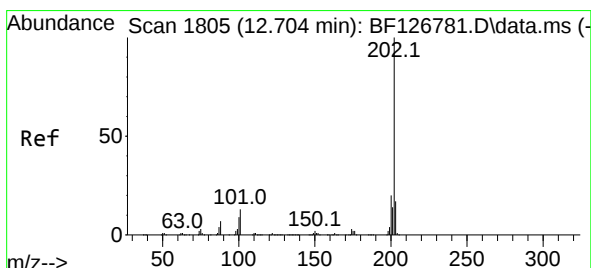
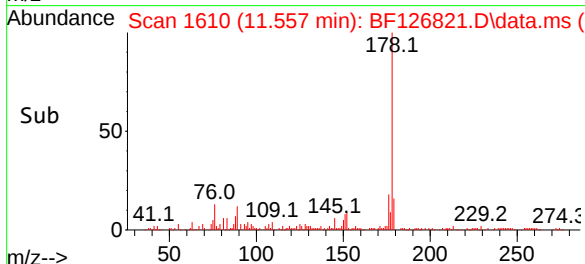
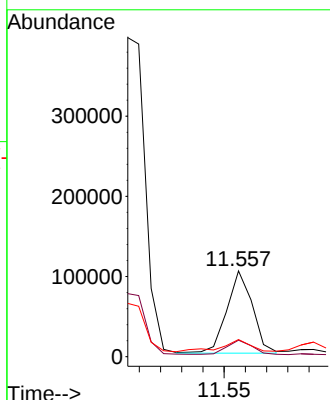
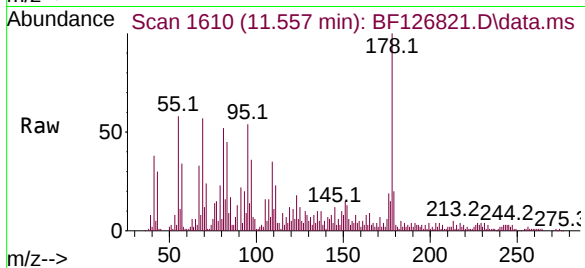
Tgt Ion:178 Resp: 86099
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 20.0 12.5 18.7

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Reviewed By :Christian Giraldo 02/07/2022

Supervised By :Jagrut Upadhyay 02/07/2022



#75

Fluoranthene

Concen: 16.696 ng

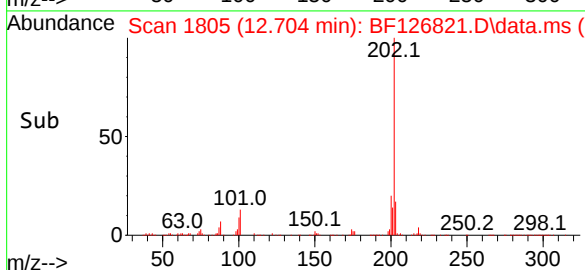
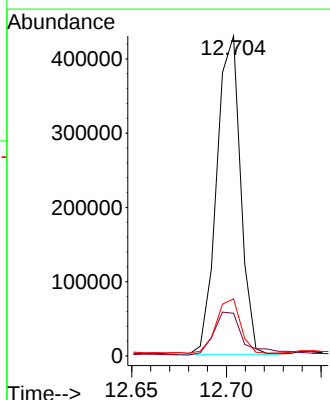
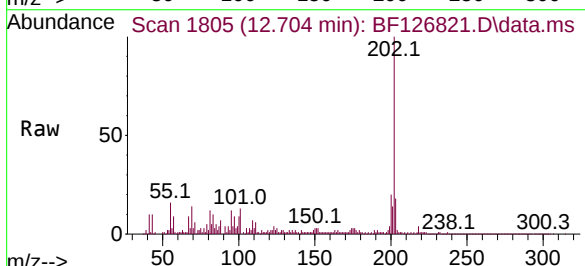
RT: 12.704 min Scan# 1805

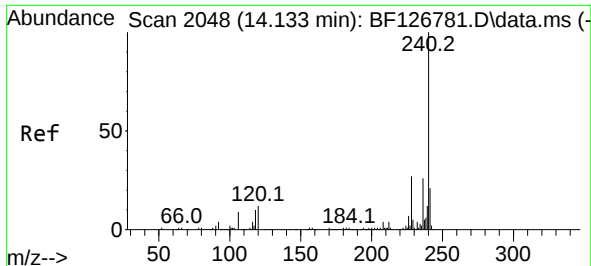
Delta R.T. -0.000 min

Lab File: BF126821.D

Acq: 04 Feb 2022 19:53

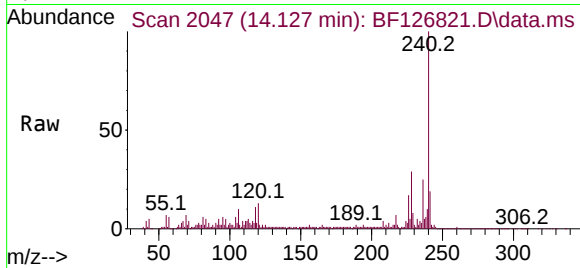
Tgt Ion:202 Resp: 376064
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 35.7
 203 17.8 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

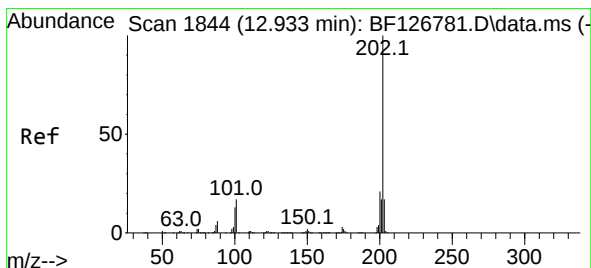
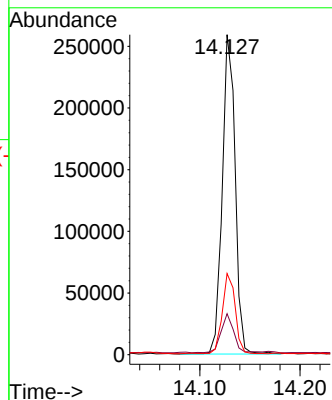
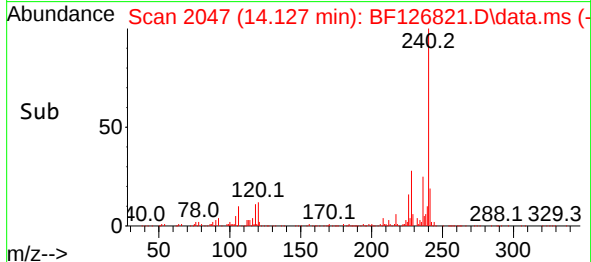
Instrument :
BNA_F
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE



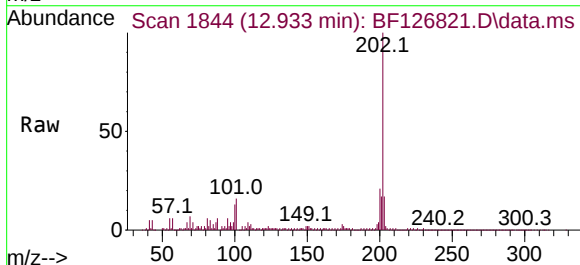
Tgt Ion:240 Resp: 230520
Ion Ratio Lower Upper
240 100
120 12.8 14.4 21.6
236 25.3 20.5 30.7

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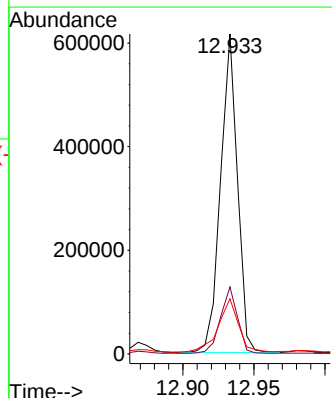
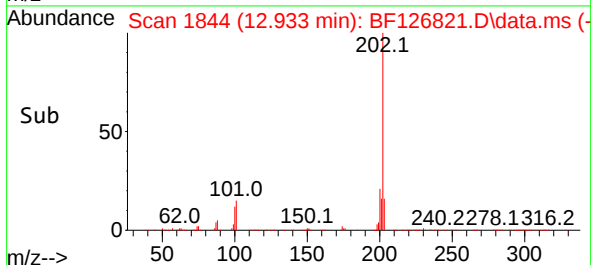
Reviewed By :Christian Giraldo 02/07/2022
Supervised By :Jagrut Upadhyay 02/07/2022

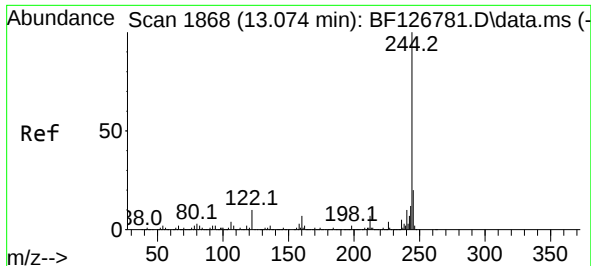


#78
Pyrene
Concen: 27.601 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53



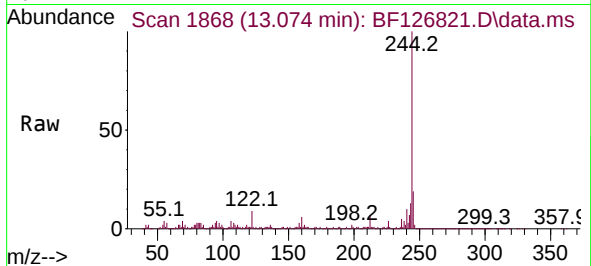
Tgt Ion:202 Resp: 508474
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.2 13.8 20.8





#79
 Terphenyl-d14
 Concen: 62.049 ng
 RT: 13.074 min Scan# 1868
 Delta R.T. -0.000 min
 Lab File: BF126821.D
 Acq: 04 Feb 2022 19:53

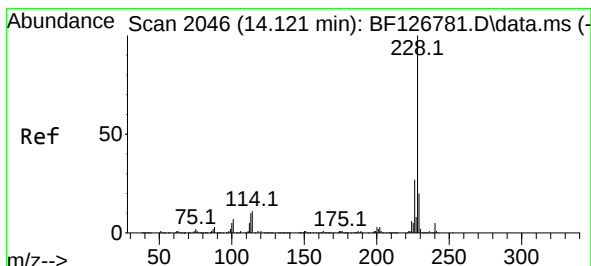
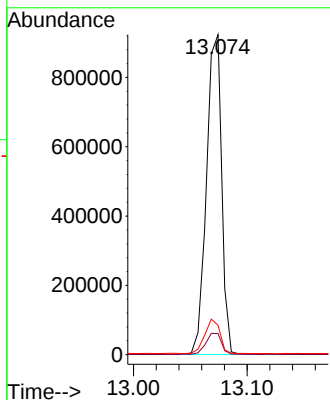
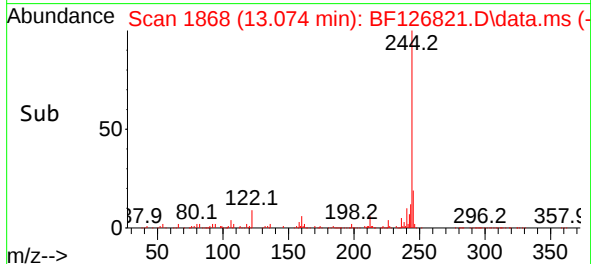
Instrument : BNA_F
 ClientSampleId : ASTORIA-YARD-PIT-11-STOCKPILE



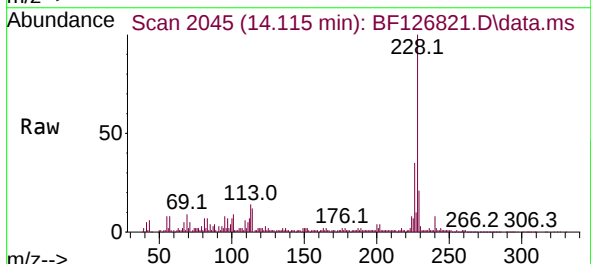
Tgt Ion:244 Resp: 855040
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 9.2 13.3 19.9

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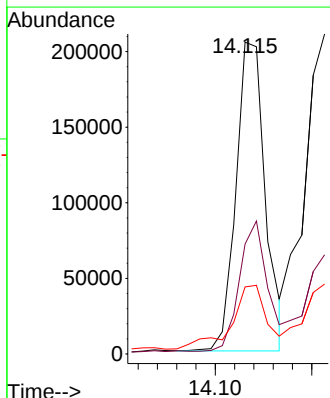
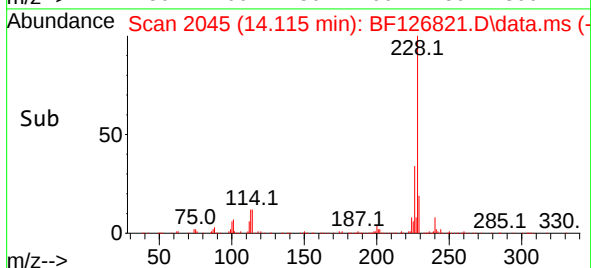
Reviewed By :Christian Giraldo 02/07/2022
 Supervised By :Jagrut Upadhyay 02/07/2022

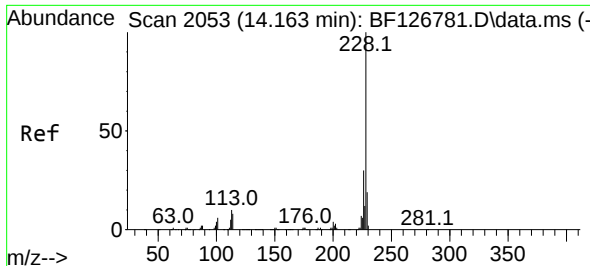


#81
 Benzo(a)anthracene
 Concen: 14.016 ng m
 RT: 14.115 min Scan# 2045
 Delta R.T. -0.006 min
 Lab File: BF126821.D
 Acq: 04 Feb 2022 19:53



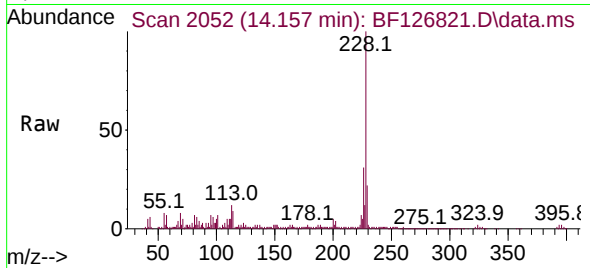
Tgt Ion:228 Resp: 215589
 Ion Ratio Lower Upper
 228 100
 226 35.3 21.4 32.0#
 229 21.5 15.4 23.2





#83
Chrysene
Concen: 14.945 ng
RT: 14.157 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

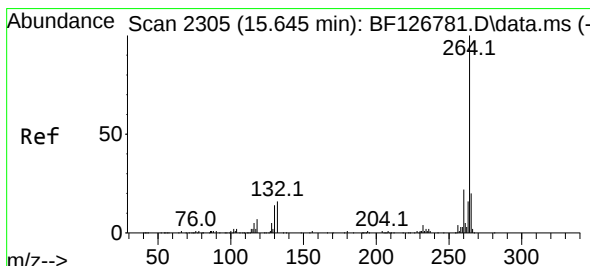
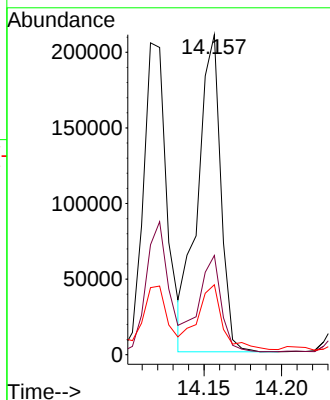
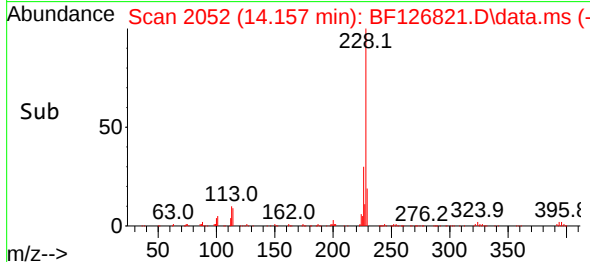
Instrument :
BNA_F
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE



Tgt Ion:228 Resp: 21764
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 21.8 15.5 23.3

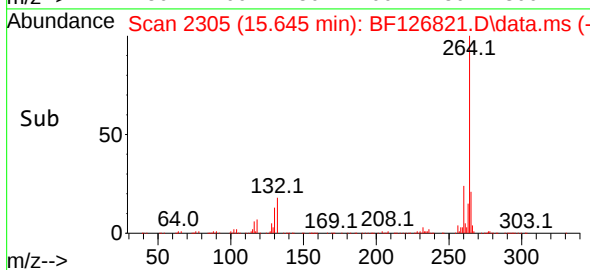
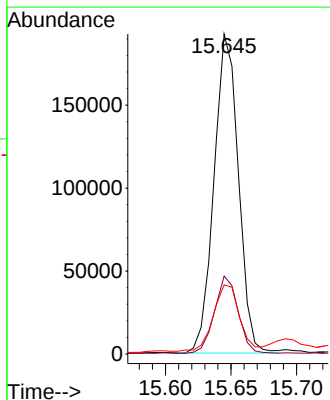
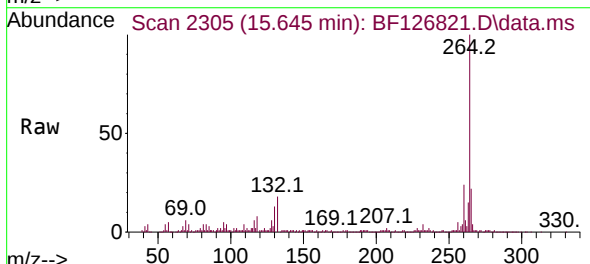
Manual Integrations
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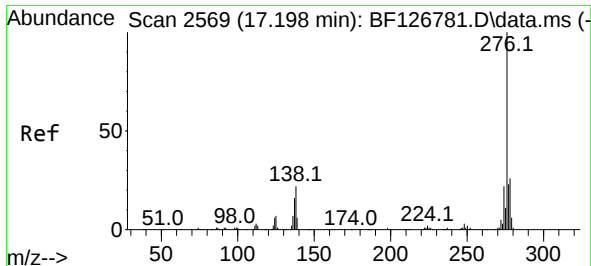
Reviewed By :Christian Giraldo 02/07/2022
Supervised By :Jagrut Upadhyay 02/07/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2305
Delta R.T. -0.000 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

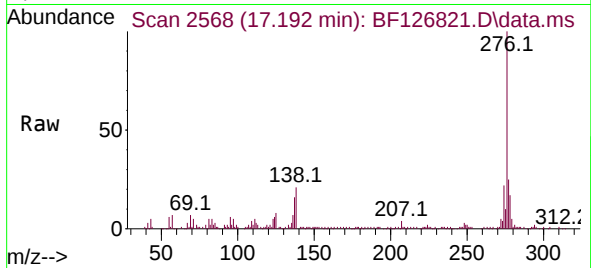
Tgt Ion:264 Resp: 248932
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.6 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.838 ng m
RT: 17.192 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

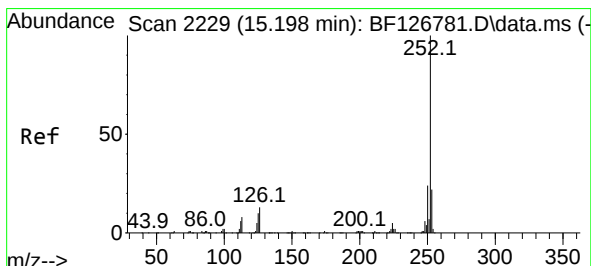
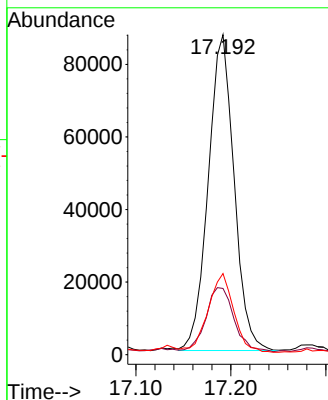
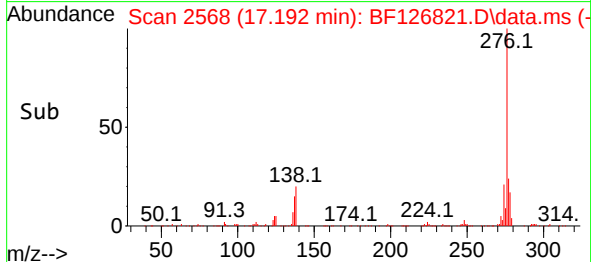
Instrument :
BNA_F
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE



Tgt Ion:276 Resp: 16455
Ion Ratio Lower Upper
276 100
138 5.9 29.2 43.8
277 5.0 19.8 29.8

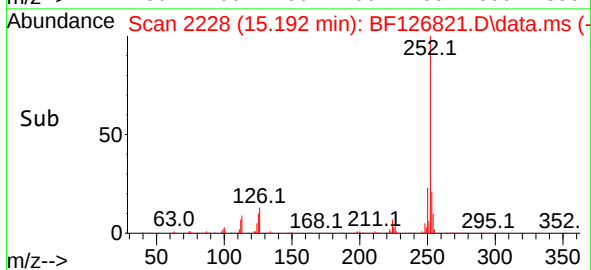
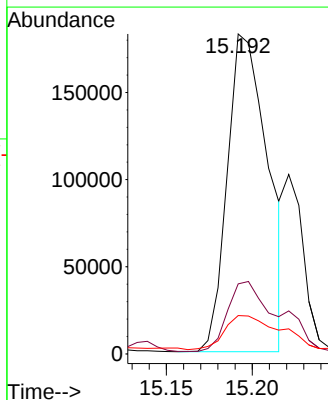
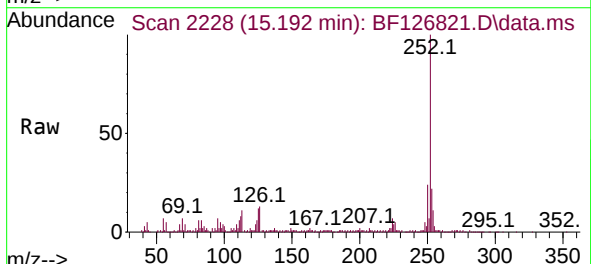
Manual Integrations
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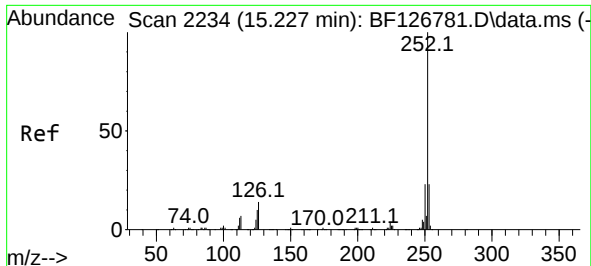
Reviewed By :Christian Giraldo 02/07/2022
Supervised By :Jagrut Upadhyay 02/07/2022



#88
Benzo(b)fluoranthene
Concen: 18.377 ng m
RT: 15.192 min Scan# 2228
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

Tgt Ion:252 Resp: 299128
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 12.0 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 4.901 ng m

RT: 15.221 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126821.D

Acq: 04 Feb 2022 19:53

Instrument :

BNA_F

ClientSampleId :

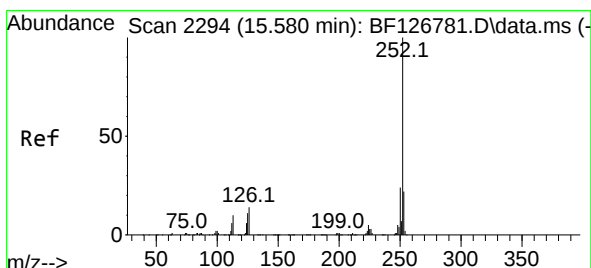
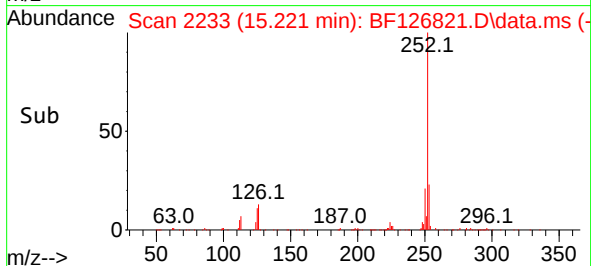
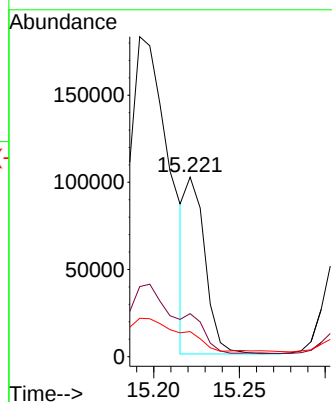
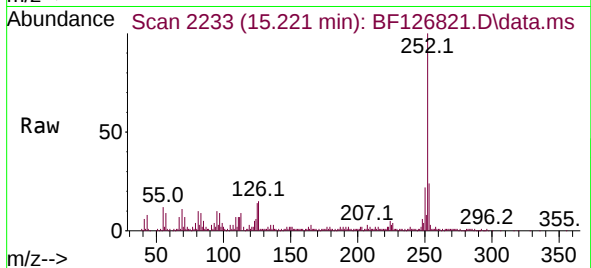
ASTORIA-YARD-PIT-11-STOCKPILE

Tgt Ion:252 Resp: 79572
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.5 26.3
 125 14.0 11.8 17.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/07/2022
 Supervised By :Jagrut Upadhyay 02/07/2022



#90

Benzo(a)pyrene

Concen: 18.952 ng m

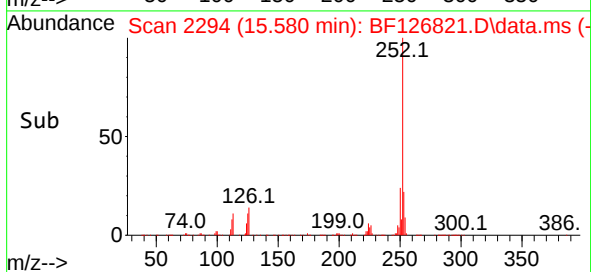
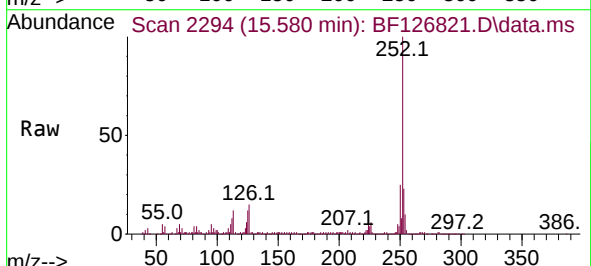
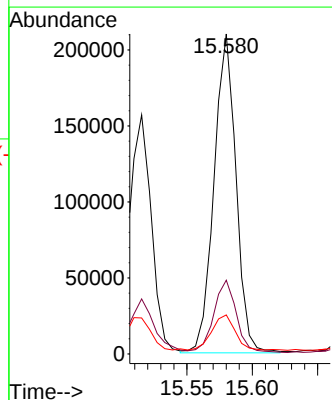
RT: 15.580 min Scan# 2294

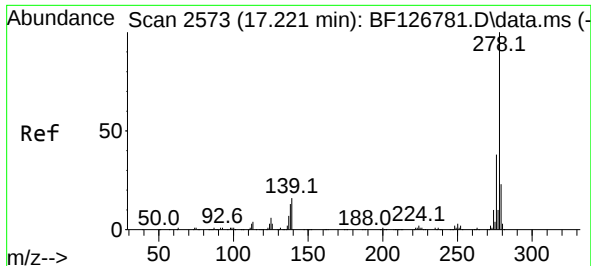
Delta R.T. -0.000 min

Lab File: BF126821.D

Acq: 04 Feb 2022 19:53

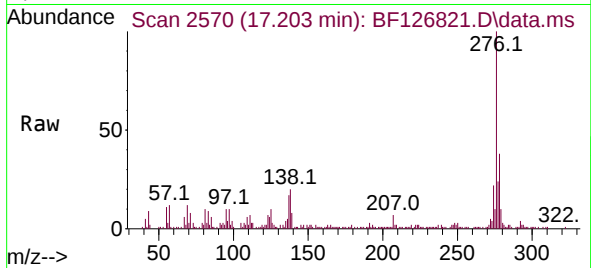
Tgt Ion:252 Resp: 245903
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.1 25.7
 125 12.2 13.0 19.6#





#91
Dibenzo(a,h)anthracene
Concen: 3.154 ng
RT: 17.203 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

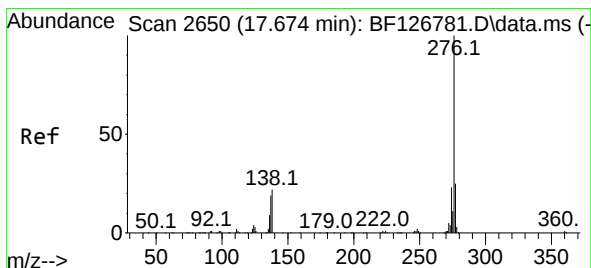
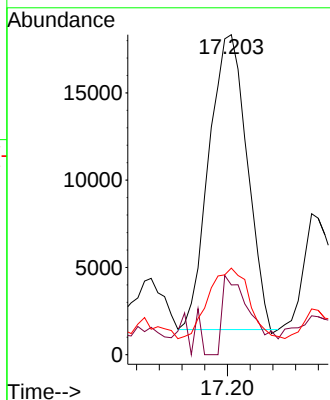
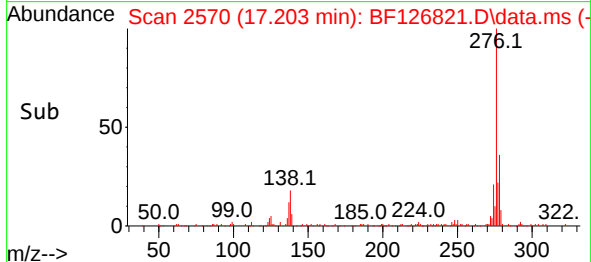
Instrument :
BNA_F
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE



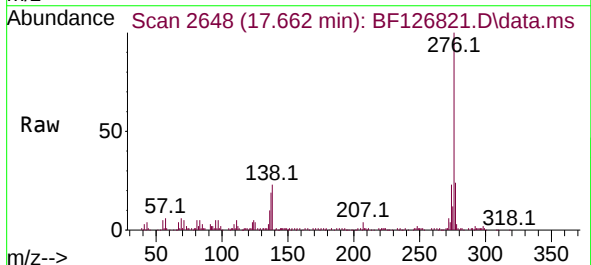
Tgt Ion:278 Resp: 39220
Ion Ratio Lower Upper
278 100
139 21.8 18.0 27.0
279 27.1 18.6 27.8

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Reviewed By :Christian Giraldo 02/07/2022
Supervised By :Jagrut Upadhyay 02/07/2022



#92
Benzo(g,h,i)perylene
Concen: 14.368 ng
RT: 17.662 min Scan# 2648
Delta R.T. -0.012 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53



Tgt Ion:276 Resp: 176490
Ion Ratio Lower Upper
276 100
277 23.9 18.5 27.7
138 23.4 25.9 38.9#

