

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

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

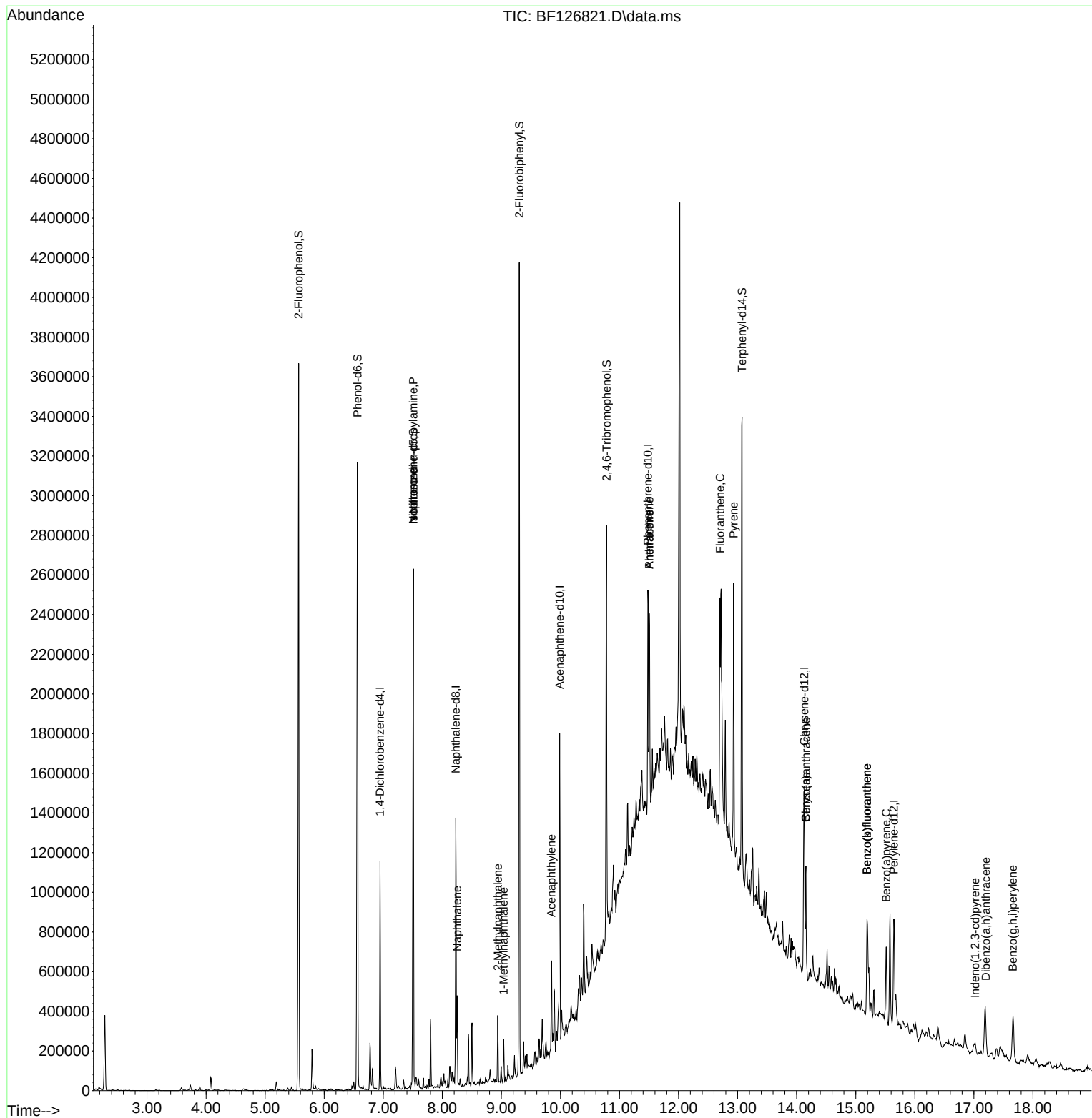
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	137511	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	531246	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	282017	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	399836	20.000	ng	# 0.00
76) Chrysene-d12	14.127	240	230520	20.000	ng	# 0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.510	70	126975	13.885	ng	# 68
25) Isophorone	7.510	82	950568	39.019	ng	# 69
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	11.504	178	351503	15.848	ng	97
75) Fluoranthene	12.704	202	376064	16.696	ng	96
78) Pyrene	12.933	202	508474	27.601	ng	100
81) Benzo(a)anthracene	14.157	228	217647	14.150	ng	93
83) Chrysene	14.157	228	217647	14.945	ng	96
87) Indeno(1,2,3-cd)pyrene	17.021	276	31700	2.088	ng	93
88) Benzo(b)fluoranthene	15.192	252	379641	23.324	ng	# 96
89) Benzo(k)fluoranthene	15.192	252	379641	23.382	ng	97
90) Benzo(a)pyrene	15.515	252	182788	14.087	ng	97
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

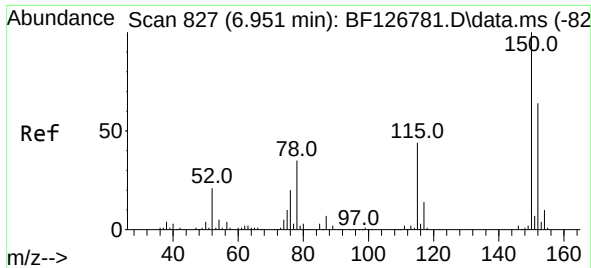
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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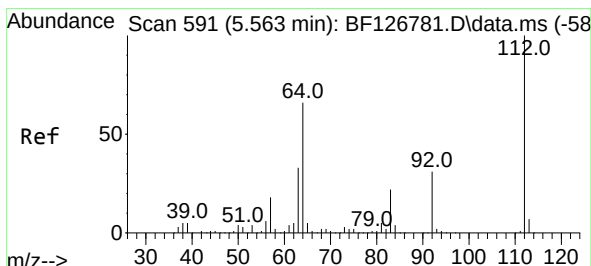
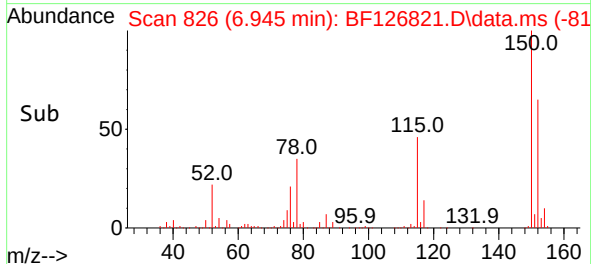
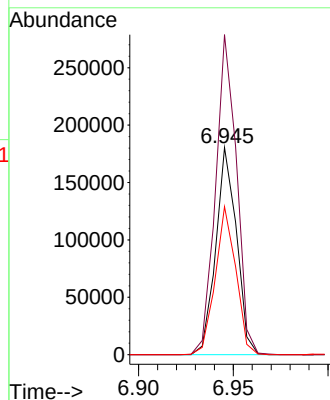
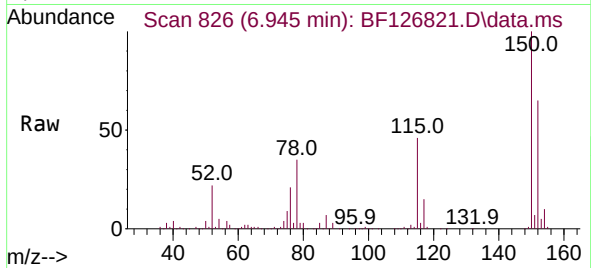




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

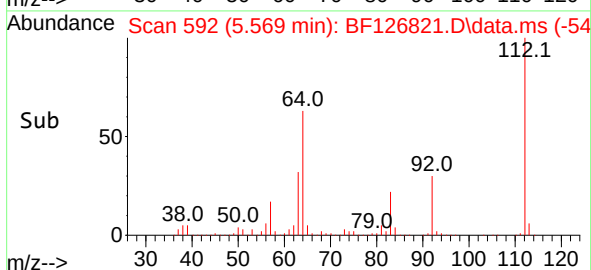
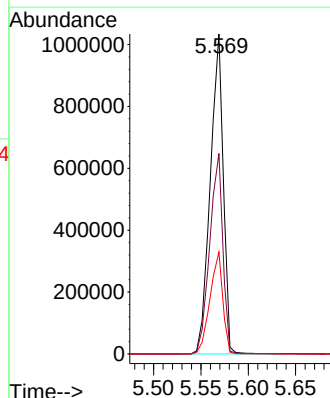
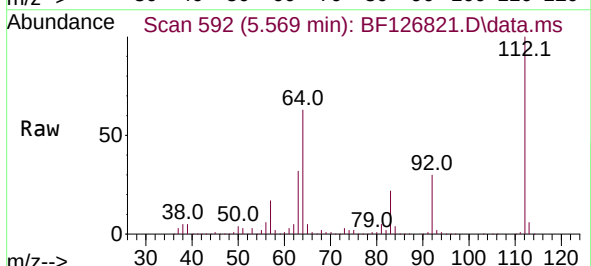
Instrument :
BNA_F
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE

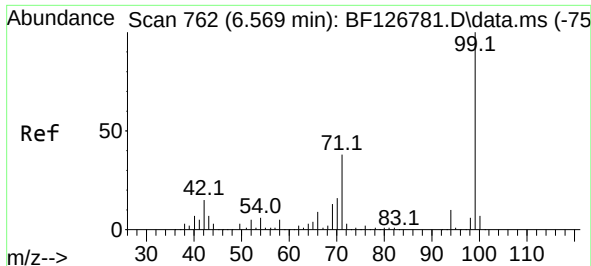
Tgt Ion:152 Resp: 137511
Ion Ratio Lower Upper
152 100
150 154.4 128.1 192.1
115 71.4 56.7 85.1



#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

Instrument :

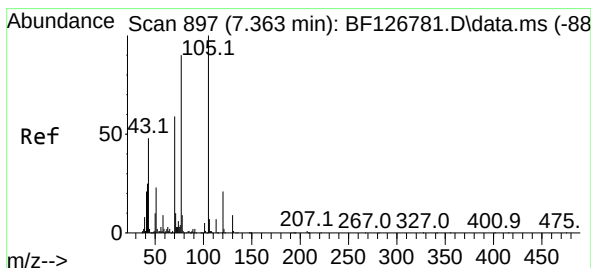
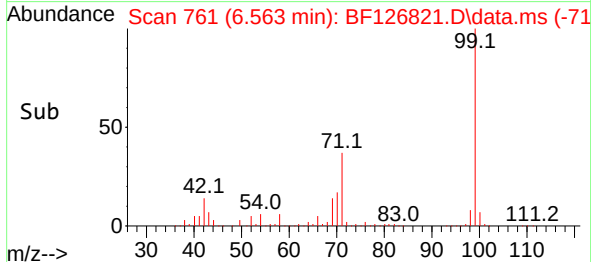
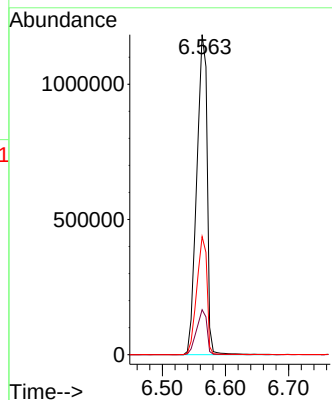
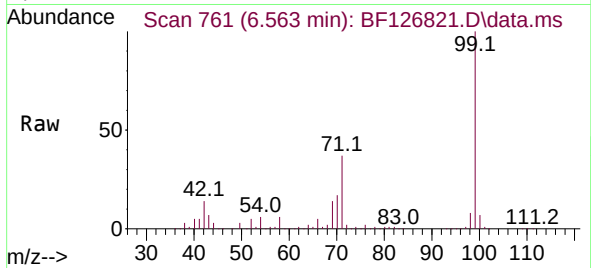
BNA_F

ClientSampleId :

ASTORIA-YARD-PIT-11-STOCKPILE

Tgt Ion: 99 Resp: 1351232

Ion	Ratio	Lower	Upper
99	100		
42	14.1	14.2	21.4#
71	36.9	24.3	36.5#



#19

n-Nitroso-di-n-propylamine

Concen: 13.885 ng

RT: 7.510 min Scan# 922

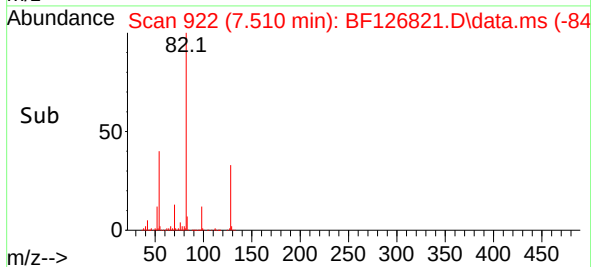
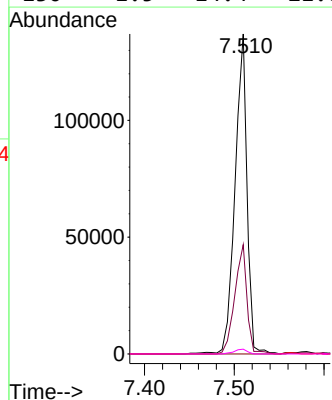
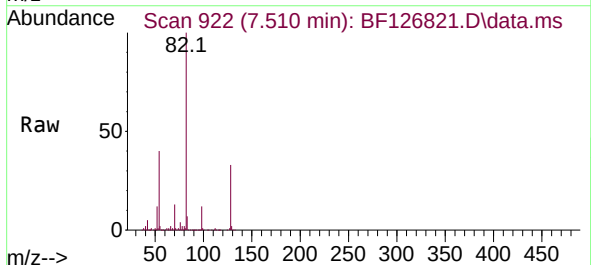
Delta R.T. 0.147 min

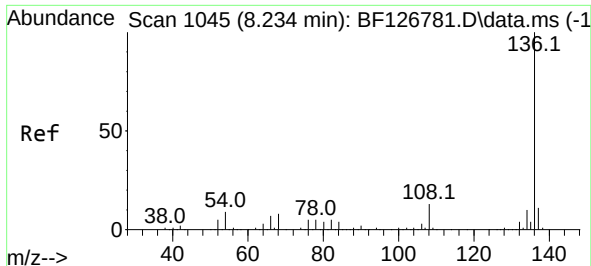
Lab File: BF126821.D

Acq: 04 Feb 2022 19:53

Tgt Ion: 70 Resp: 126975

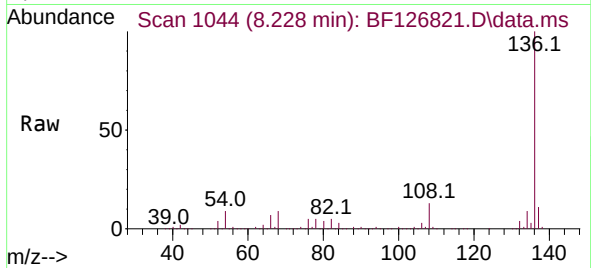
Ion	Ratio	Lower	Upper
70	100		
42	34.2	45.8	68.8#
101	0.0	6.9	10.3#
130	1.5	14.4	21.6#



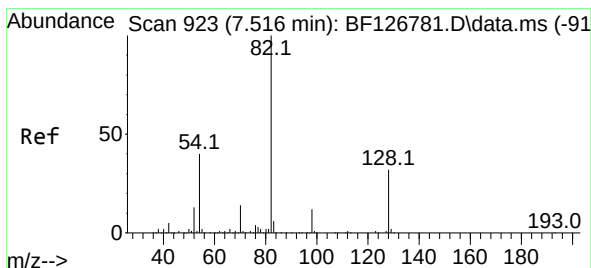
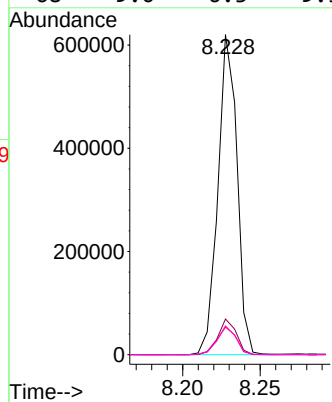
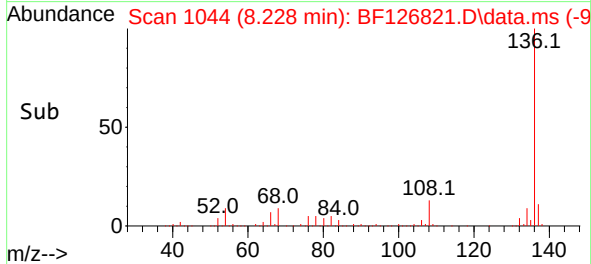


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

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

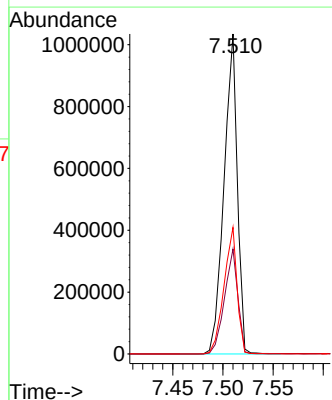
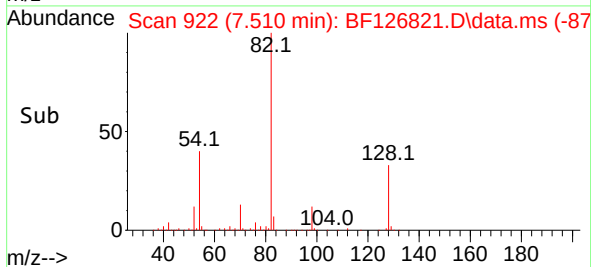
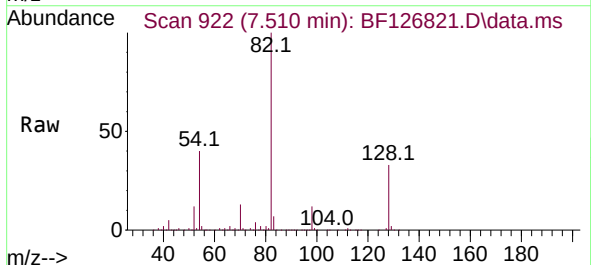


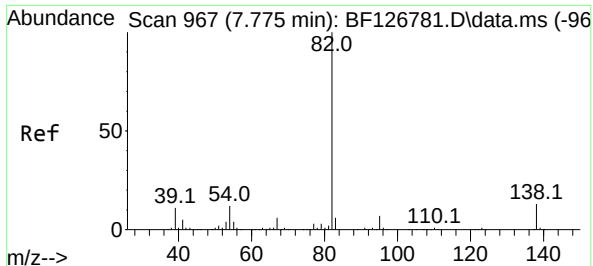
Tgt Ion:136 Resp: 531246
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.6 7.8 11.6
68 9.0 6.3 9.5



#23
Nitrobenzene-d5
Concen: 67.125 ng
RT: 7.510 min Scan# 922
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

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#

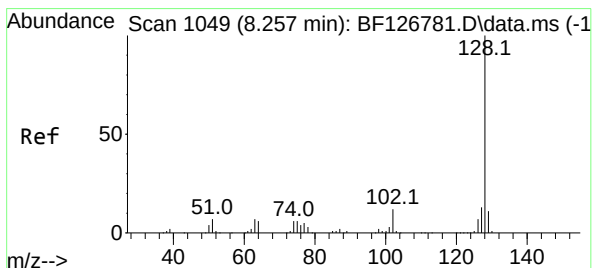
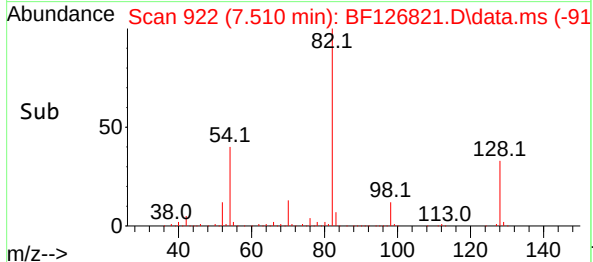
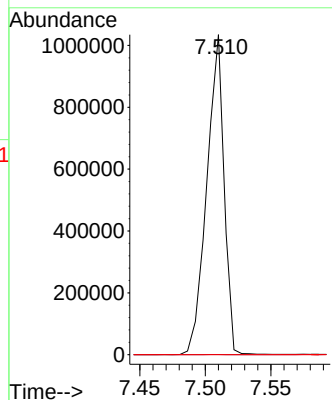
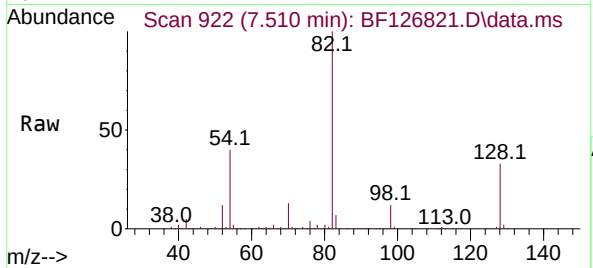




#25
Isophorone
Concen: 39.019 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

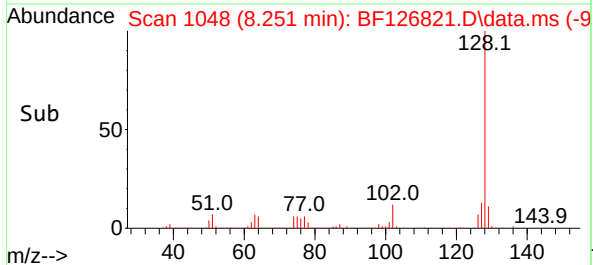
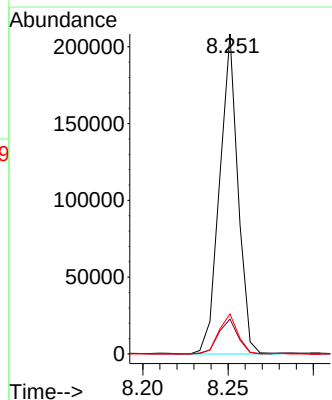
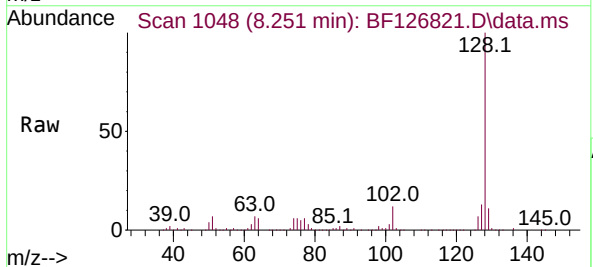
Instrument :
BNA_F
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE

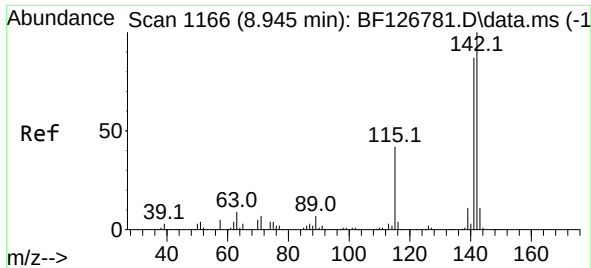
Tgt Ion: 82 Resp: 950568
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#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 :

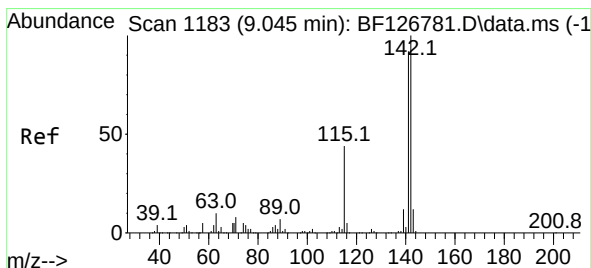
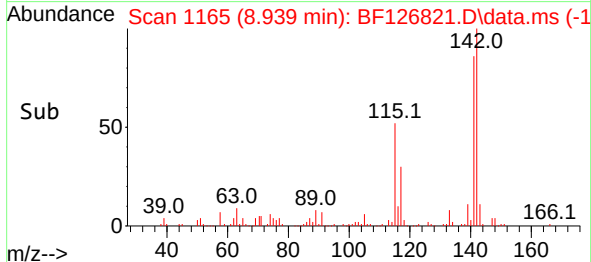
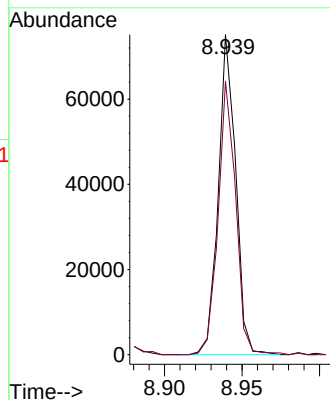
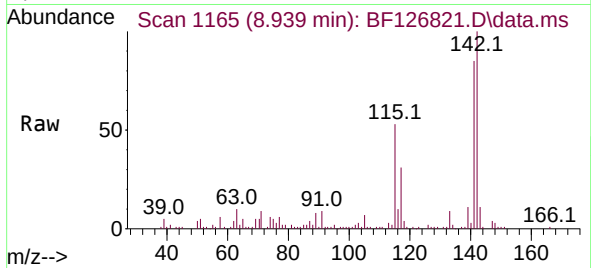
ASTORIA-YARD-PIT-11-STOCKPILE

Tgt Ion:142 Resp: 58676

Ion Ratio Lower Upper

142 100

141 85.5 68.6 102.8



#38

1-Methylnaphthalene

Concen: 2.265 ng

RT: 9.039 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF126821.D

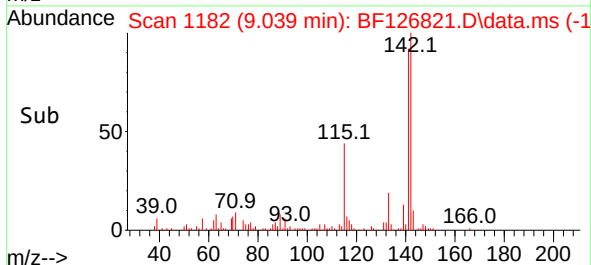
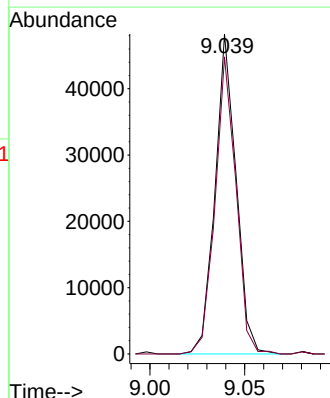
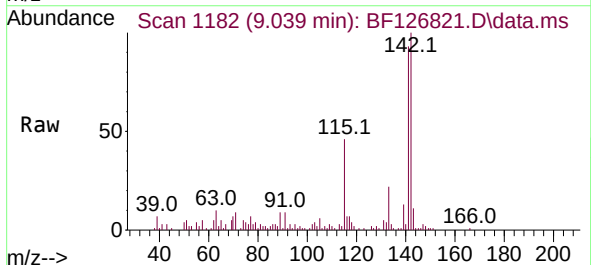
Acq: 04 Feb 2022 19:53

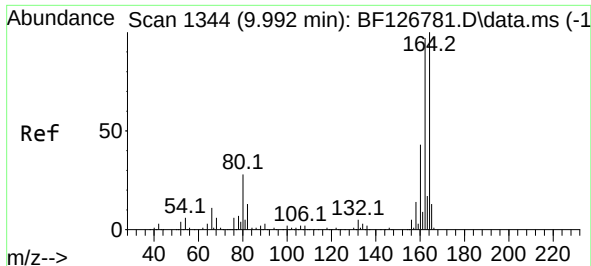
Tgt Ion:142 Resp: 37312

Ion Ratio Lower Upper

142 100

141 92.8 72.1 108.1

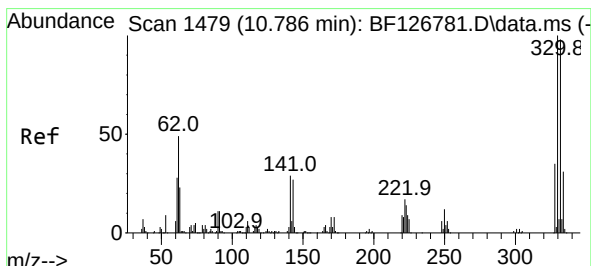
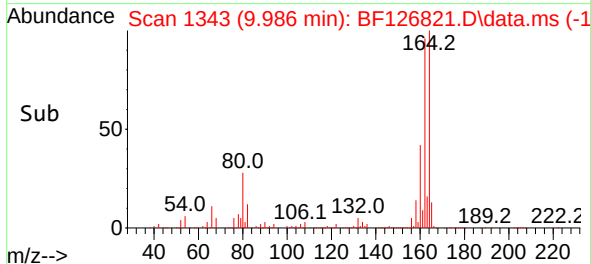
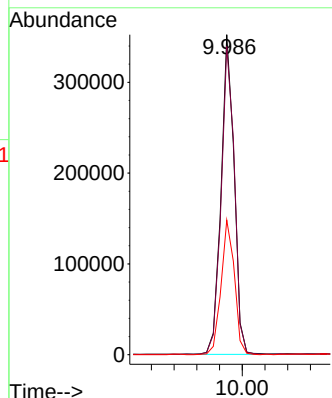
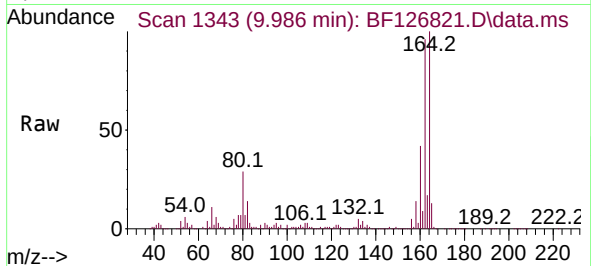




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

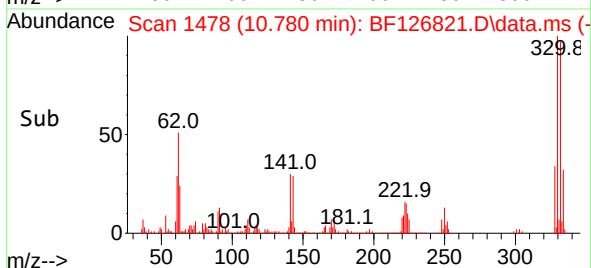
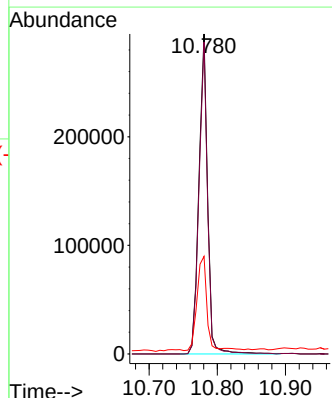
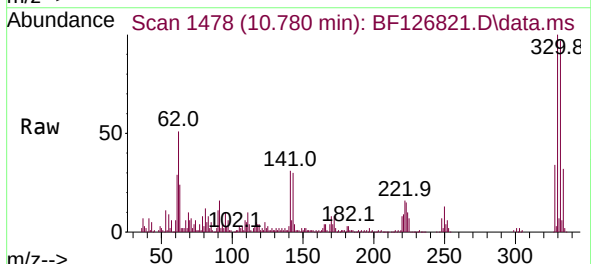
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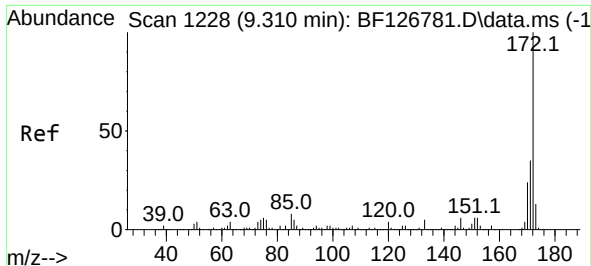
Tgt Ion:164 Resp: 282017
Ion Ratio Lower Upper
164 100
162 96.3 81.4 122.0
160 42.0 36.6 54.8



#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

Instrument :

BNA_F

ClientSampleId :

ASTORIA-YARD-PIT-11-STOCKPILE

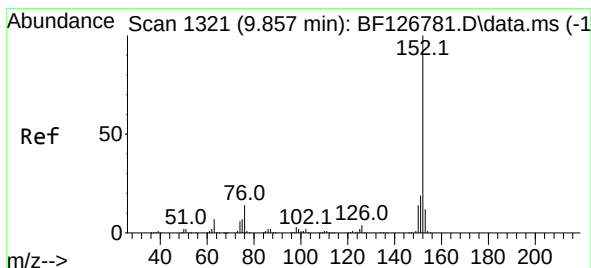
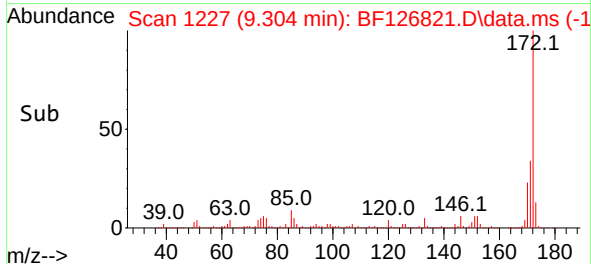
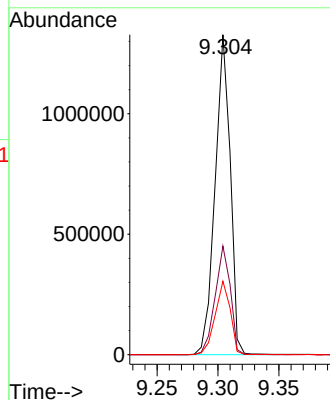
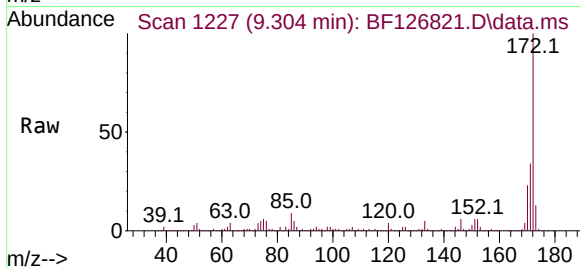
Tgt Ion:172 Resp: 1149580

Ion Ratio Lower Upper

172 100

171 33.9 28.3 42.5

170 23.0 19.0 28.6



#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

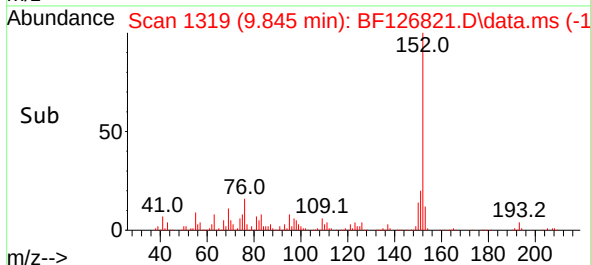
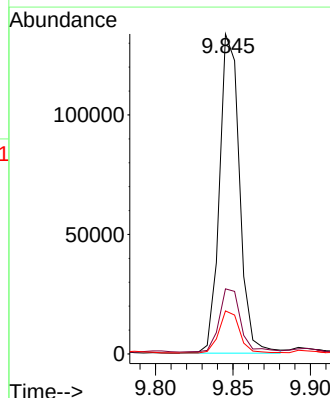
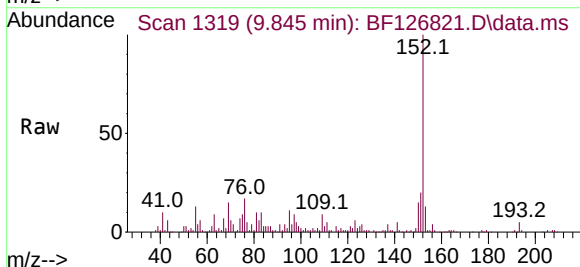
Tgt Ion:152 Resp: 120333

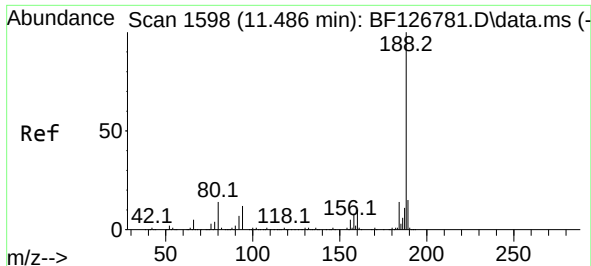
Ion Ratio Lower Upper

152 100

151 20.3 15.7 23.5

153 13.4 11.4 17.0

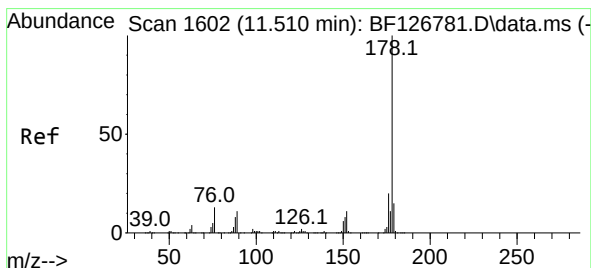
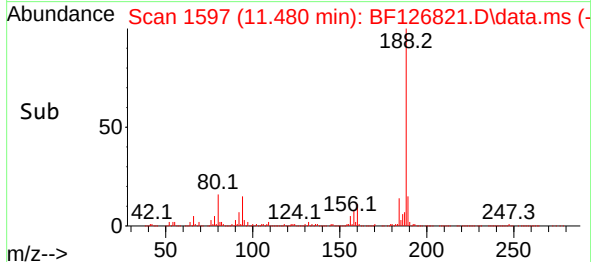
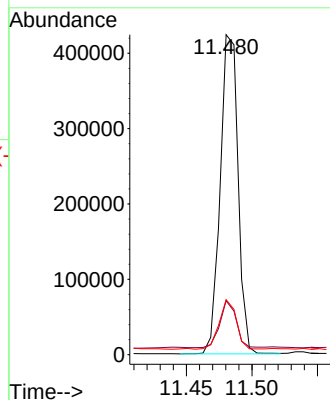
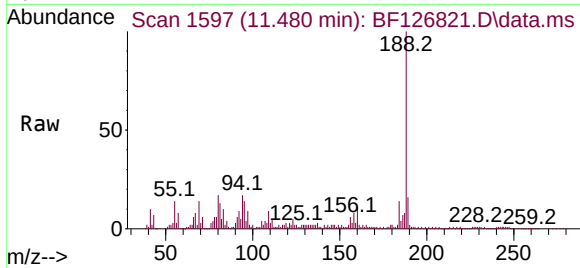




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

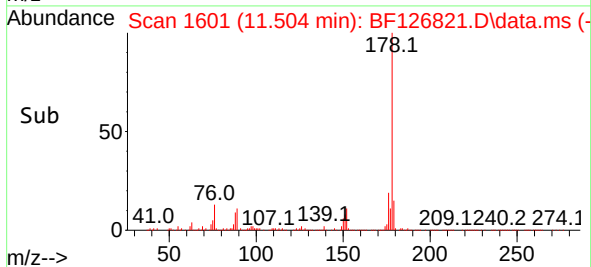
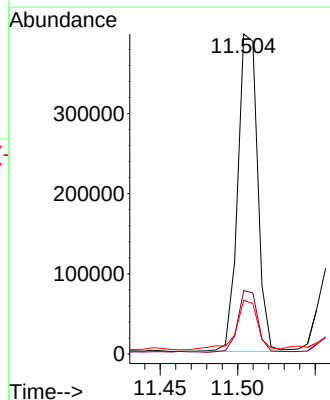
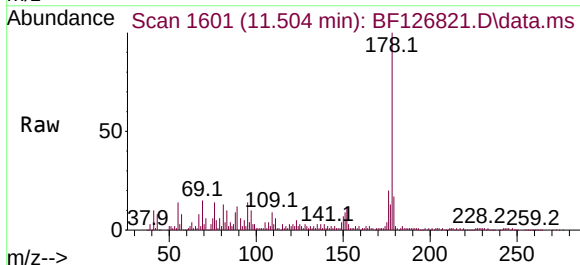
Instrument :
BNA_F
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE

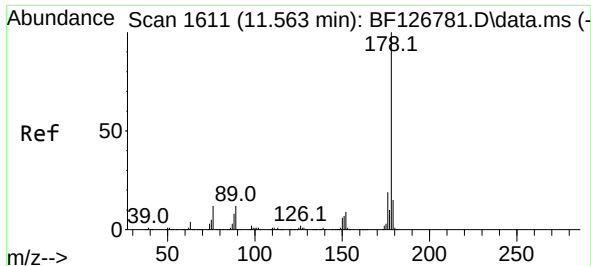
Tgt Ion:188 Resp: 399836
Ion Ratio Lower Upper
188 100
94 16.8 10.1 15.1#
80 17.2 11.8 17.6



#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

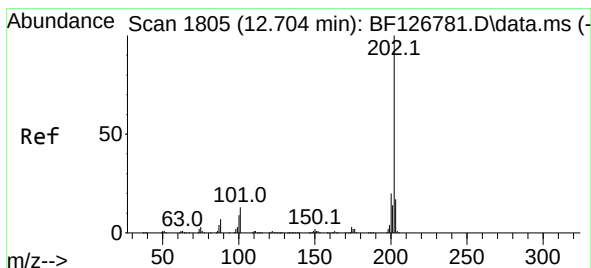
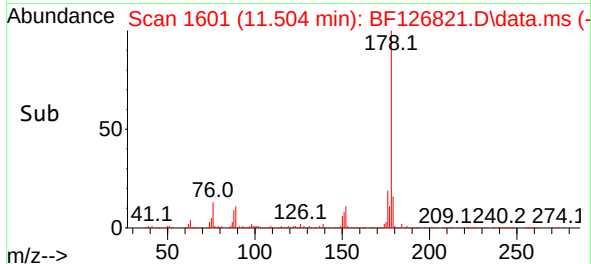
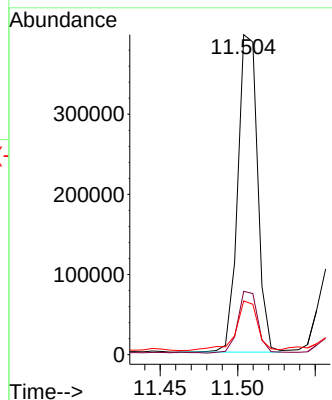
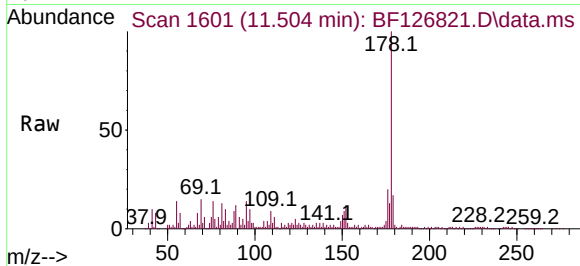




#72
 Anthracene
 Concen: 15.848 ng
 RT: 11.504 min Scan# 1601
 Delta R.T. -0.059 min
 Lab File: BF126821.D
 Acq: 04 Feb 2022 19:53

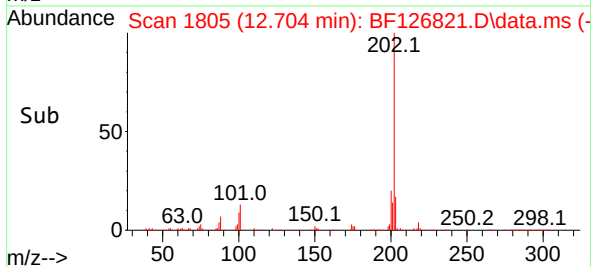
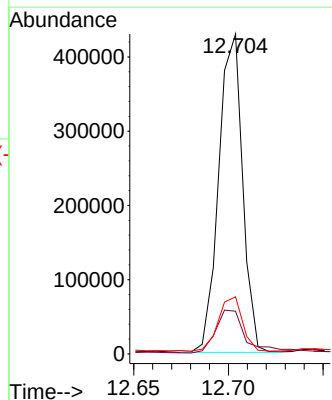
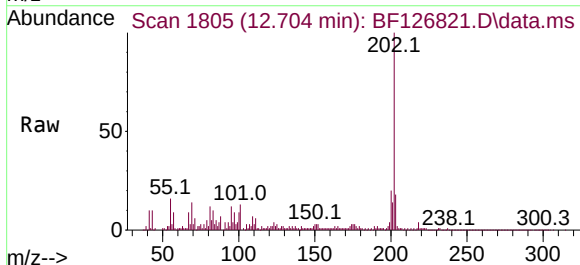
Instrument :
 BNA_F
 ClientSampleId :
 ASTORIA-YARD-PIT-11-STOCKPILE

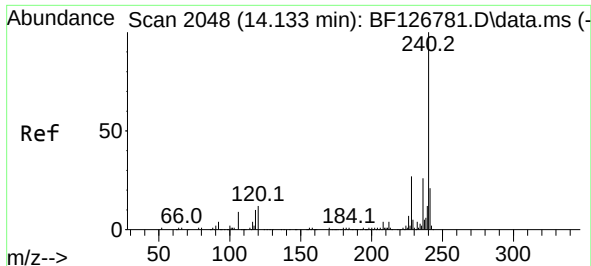
Tgt Ion:178 Resp: 351503
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.0 22.6
 179 16.8 12.5 18.7



#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

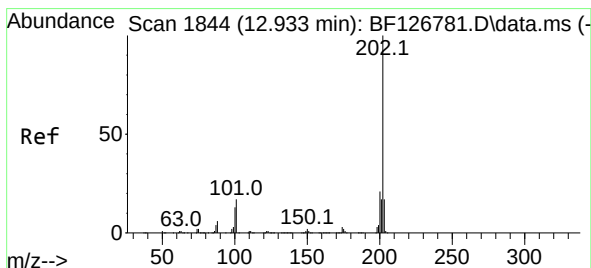
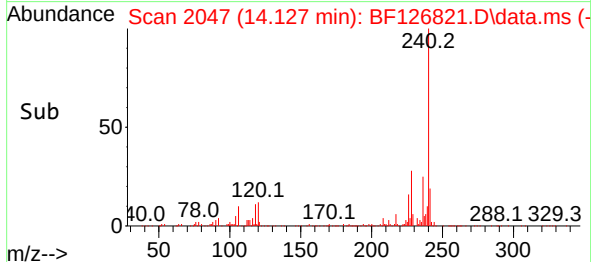
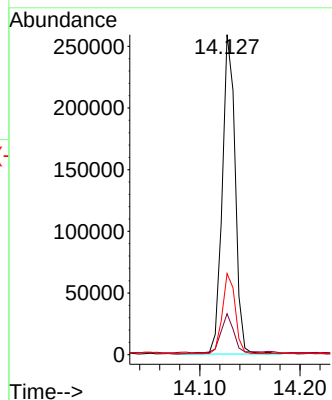
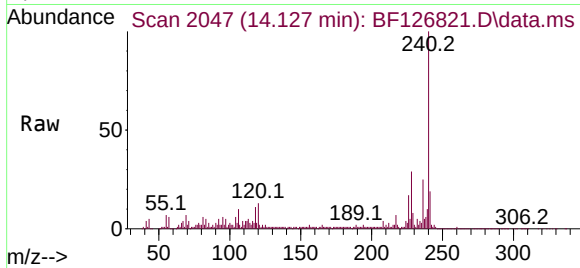




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

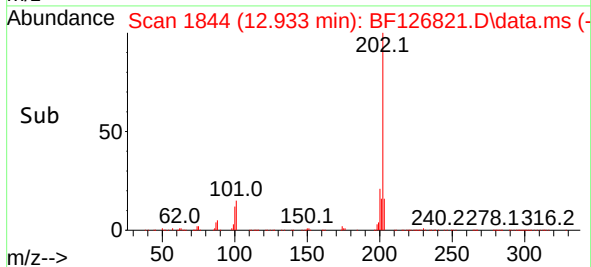
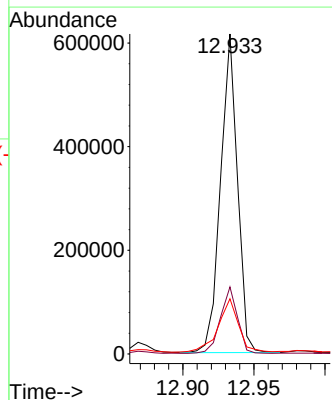
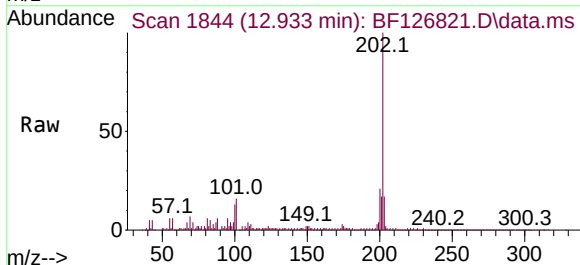
Instrument :
BNA_F
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE

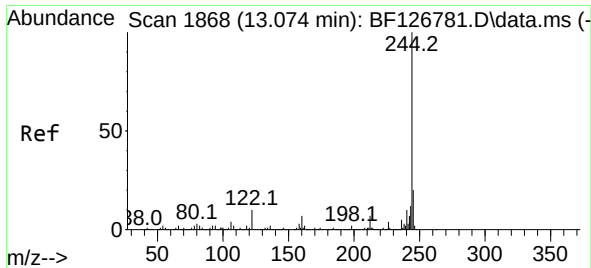
Tgt Ion:240 Resp: 230520
Ion Ratio Lower Upper
240 100
120 12.8 14.4 21.6#
236 25.3 20.5 30.7



#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

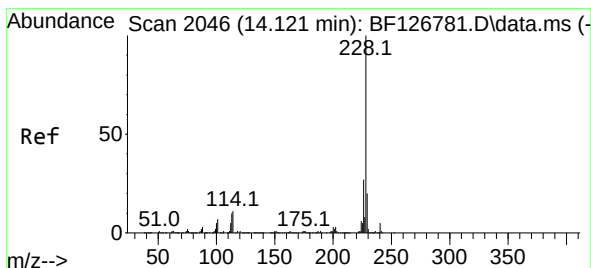
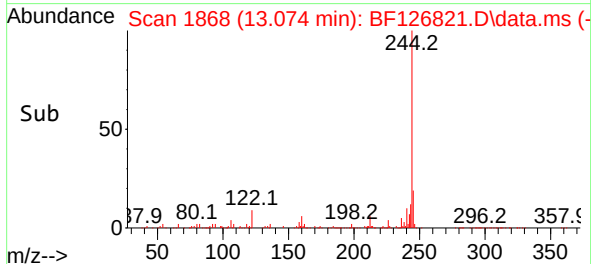
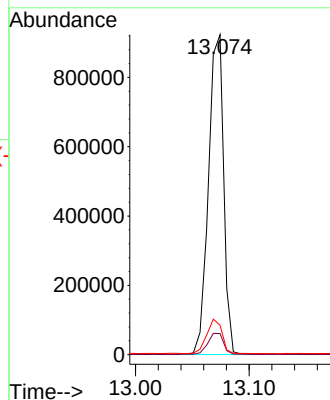
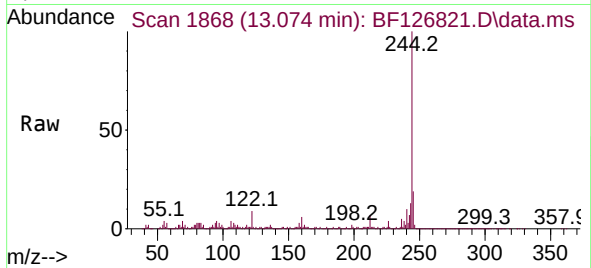




#79
 Terphenyl-d14
 Concen: 62.049 ng
 RT: 13.074 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF126821.D
 Acq: 04 Feb 2022 19:53

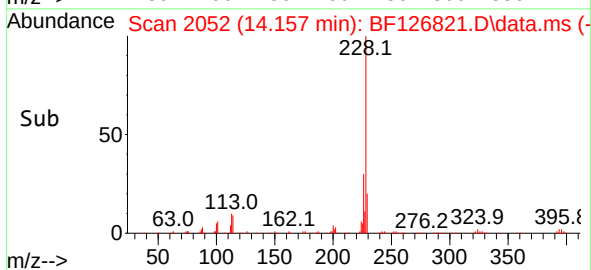
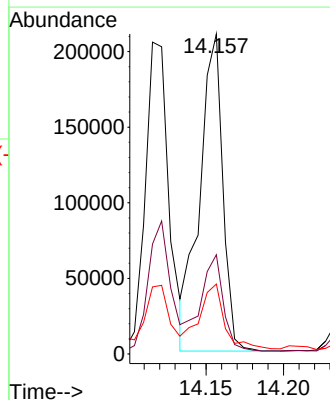
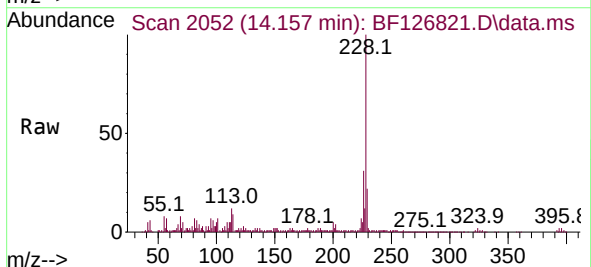
Instrument :
 BNA_F
 ClientSampleId :
 ASTORIA-YARD-PIT-11-STOCKPILE

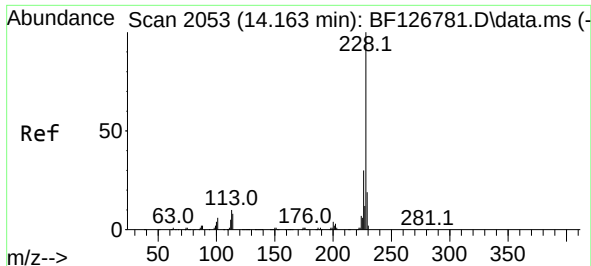
Tgt Ion:244 Resp: 855046
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 9.2 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 14.150 ng
 RT: 14.157 min Scan# 2052
 Delta R.T. 0.035 min
 Lab File: BF126821.D
 Acq: 04 Feb 2022 19:53

Tgt Ion:228 Resp: 217647
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.4 32.0
 229 21.8 15.4 23.2

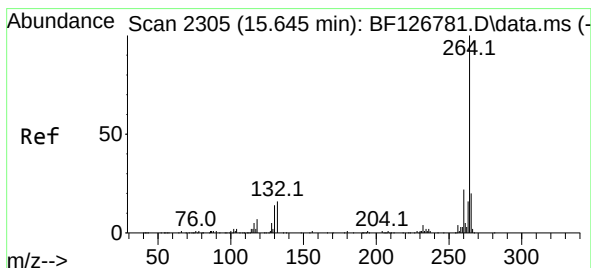
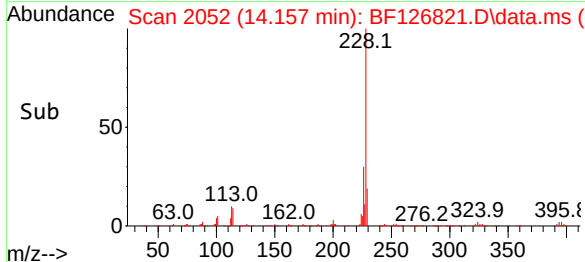
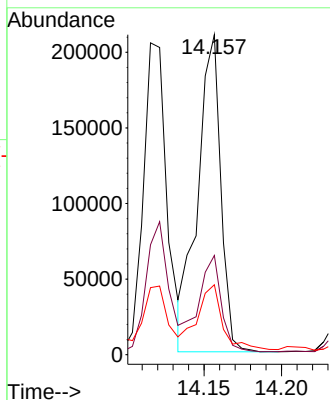
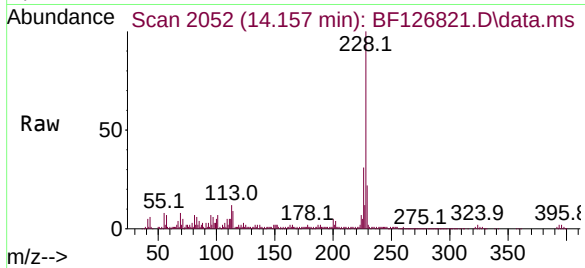




#83
Chrysene
Concen: 14.945 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.006 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

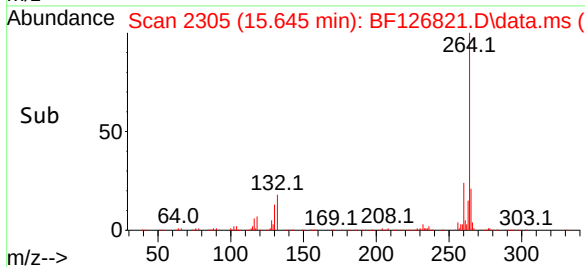
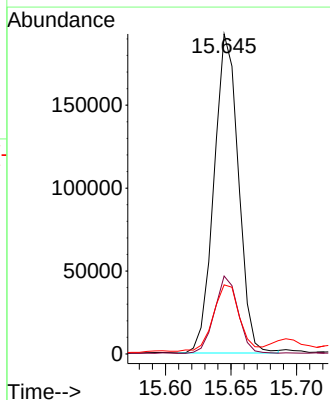
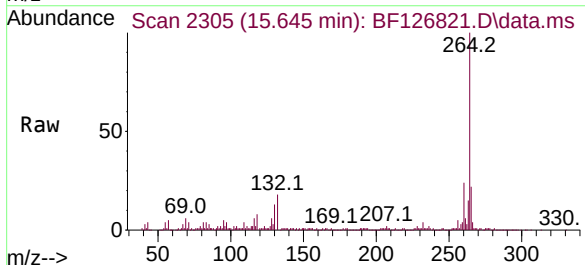
Instrument : BNA_F
ClientSampleId : ASTORIA-YARD-PIT-11-STOCKPILE

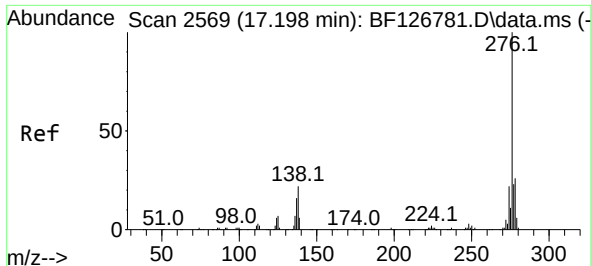
Tgt Ion:228 Resp: 217647
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 21.8 15.5 23.3



#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

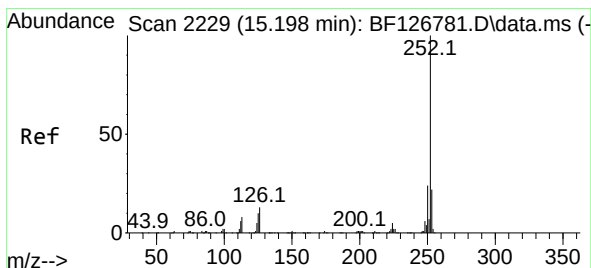
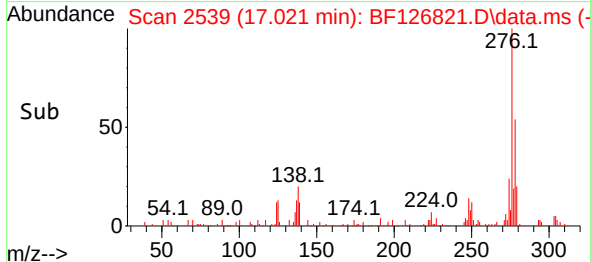
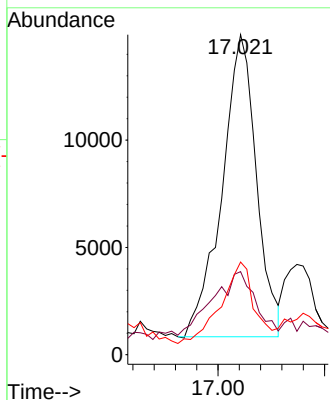
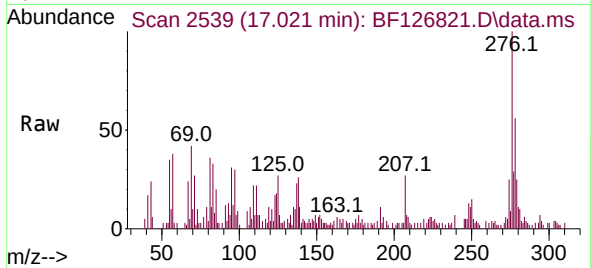




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.088 ng
 RT: 17.021 min Scan# 21
 Delta R.T. -0.177 min
 Lab File: BF126821.D
 Acq: 04 Feb 2022 19:53

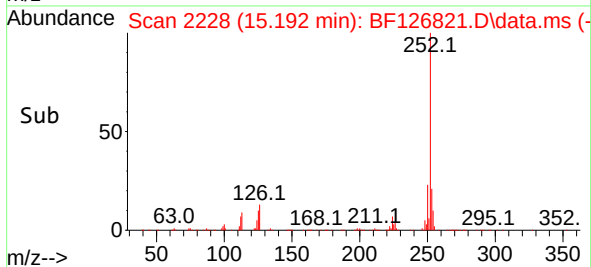
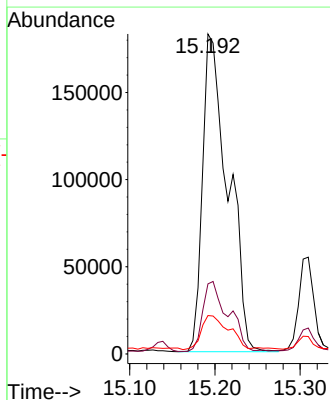
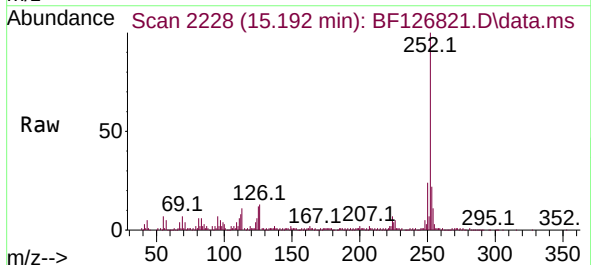
Instrument :
 BNA_F
 ClientSampleId :
 ASTORIA-YARD-PIT-11-STOCKPILE

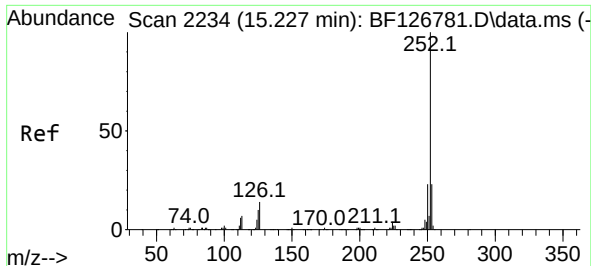
Tgt Ion:	276	Resp:	31700
Ion Ratio	Lower	Upper	
276	100		
138	30.7	29.2	43.8
277	25.8	19.8	29.8



#88
 Benzo(b)fluoranthene
 Concen: 23.324 ng
 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:	379641
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.8
125	12.0	12.4	18.6

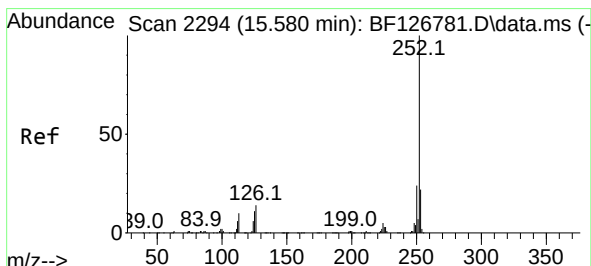
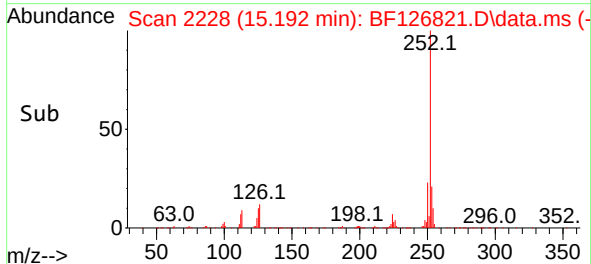
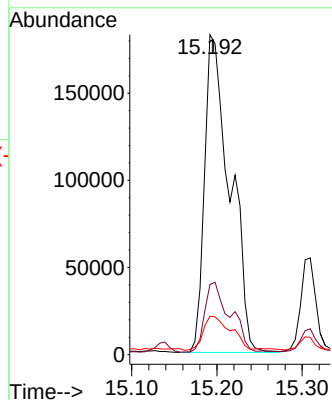
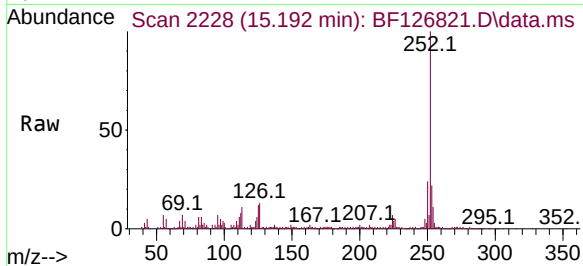




#89
Benzo(k)fluoranthene
Concen: 23.382 ng
RT: 15.192 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

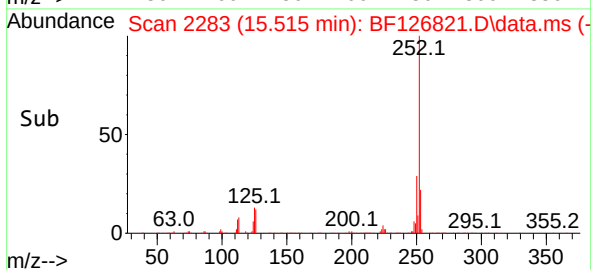
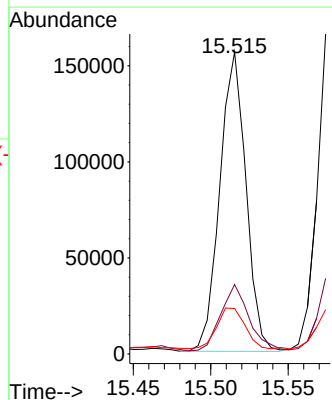
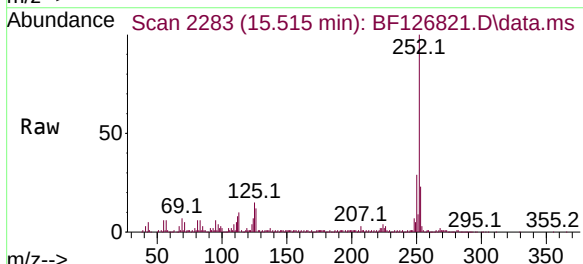
Instrument :
BNA_F
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE

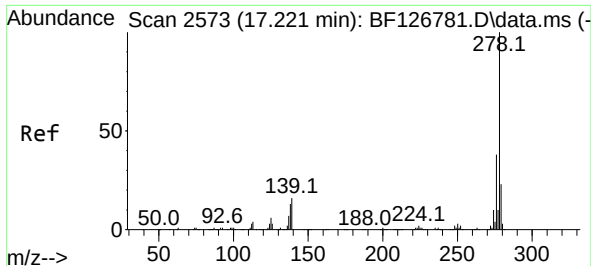
Tgt Ion:252 Resp: 379641
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 12.0 11.8 17.6



#90
Benzo(a)pyrene
Concen: 14.087 ng
RT: 15.515 min Scan# 2283
Delta R.T. -0.065 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

Tgt Ion:252 Resp: 182788
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 15.0 13.0 19.6

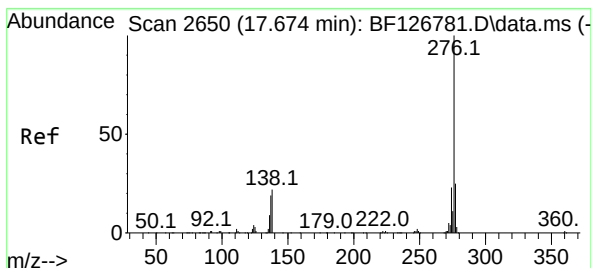
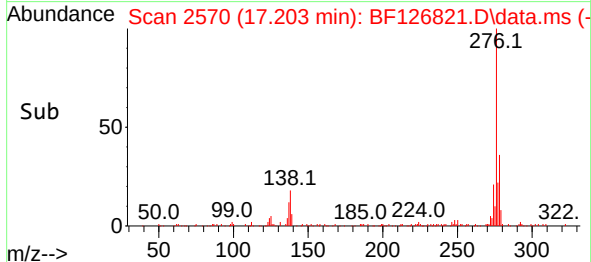
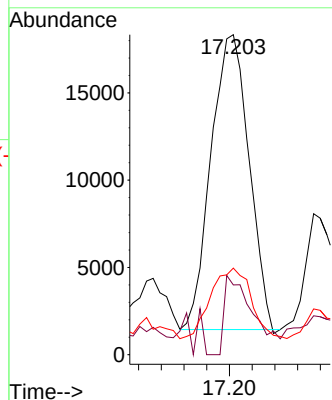
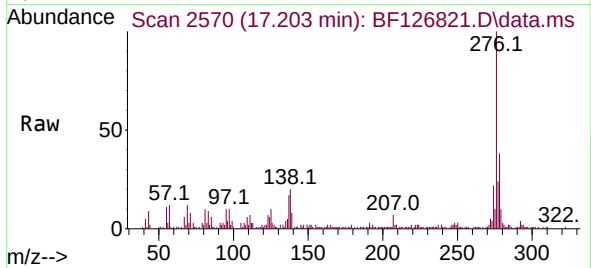




#91
Dibenzo(a,h)anthracene
Concen: 3.154 ng
RT: 17.203 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126821.D
Acq: 04 Feb 2022 19:53

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



#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#

