

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131375.D
 Acq On : 23 Nov 2022 22:44
 Operator : CG\JU
 Sample : N5641-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-15

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/25/2022
 Supervised By :Jagrut Upadhyay 11/25/2022

Quant Time: Nov 24 05:58:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 05:53:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	122072	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	419180	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	211727	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	318310	20.000	ng	0.00
76) Chrysene-d12	14.157	240	221426	20.000	ng	0.00
86) Perylene-d12	15.692	264	192611	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	685288	106.843	ng	0.01
7) Phenol-d6	6.569	99	835150	102.053	ng	0.00
23) Nitrobenzene-d5	7.516	82	553102	66.513	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	182256	102.318	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	919825	63.203	ng	0.00
79) Terphenyl-d14	13.098	244	720326	53.197	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.522	178	86652	5.037	ng	98
75) Fluoranthene	12.721	202	124437	6.865	ng	99
78) Pyrene	12.951	202	105528	5.402	ng	99
81) Benzo(a)anthracene	14.145	228	44051	2.902	ng	98
83) Chrysene	14.180	228	38902	2.612	ng	97
84) Bis(2-ethylhexyl)phtha...	14.133	149	3553	4.124	ng	# 98
88) Benzo(b)fluoranthene	15.233	252	50300m	3.931	ng	
90) Benzo(a)pyrene	15.621	252	34031	3.241	ng	99

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

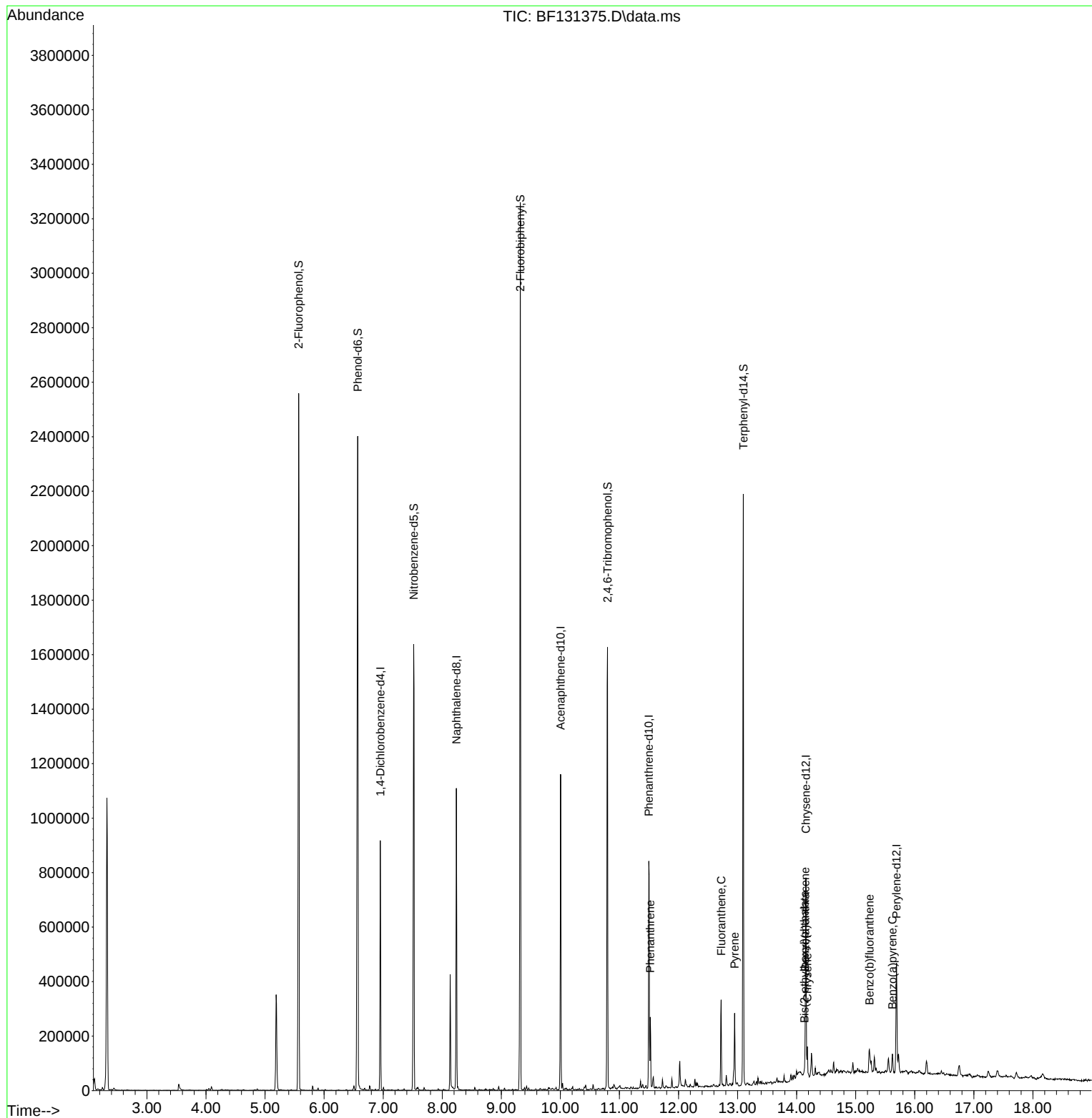
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131375.D
Acq On : 23 Nov 2022 22:44
Operator : CG\JU
Sample : N5641-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-15

Quant Time: Nov 24 05:58:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 05:53:32 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

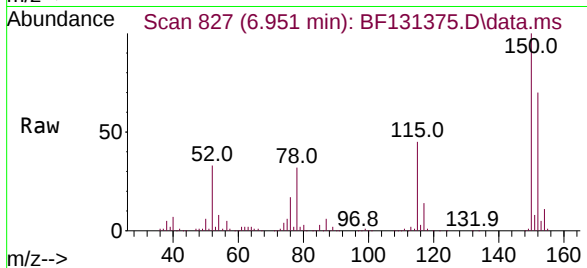
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

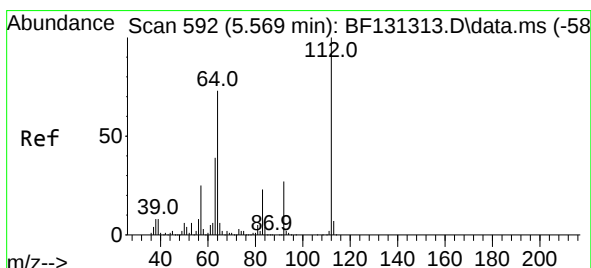
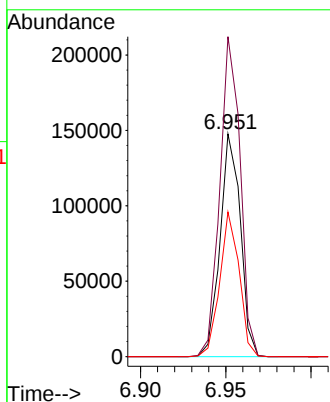
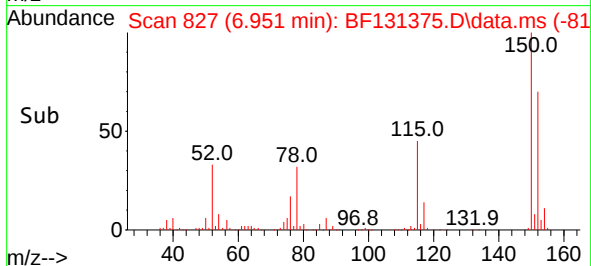
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-15



Tgt Ion:152 Resp: 122072
Ion Ratio Lower Upper
152 100
150 143.7 117.8 176.8
115 65.0 47.1 70.7

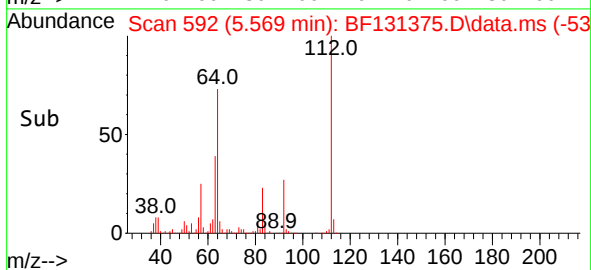
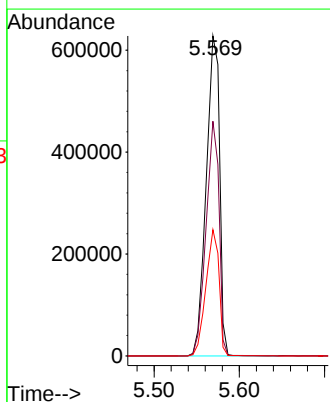
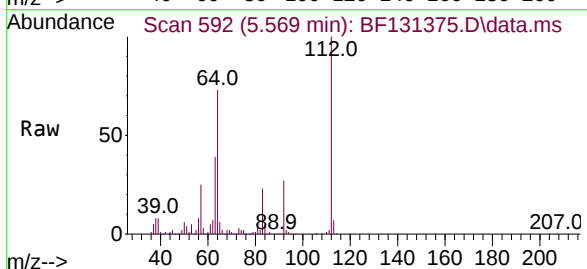
Manual Integrations
APPROVED

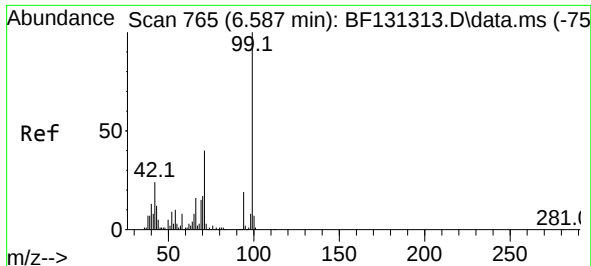
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#5
2-Fluorophenol
Concen: 106.843 ng
RT: 5.569 min Scan# 592
Delta R.T. 0.012 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

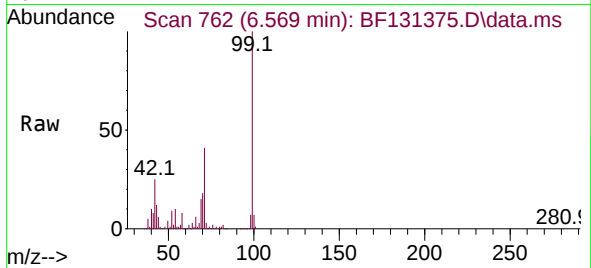
Tgt Ion:112 Resp: 685288
Ion Ratio Lower Upper
112 100
64 73.3 58.6 88.0
63 39.4 31.4 47.0





#7
Phenol-d6
Concen: 102.053 ng
RT: 6.569 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

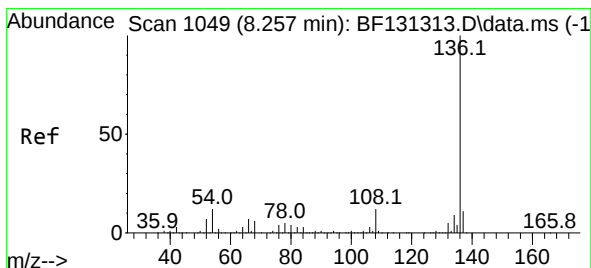
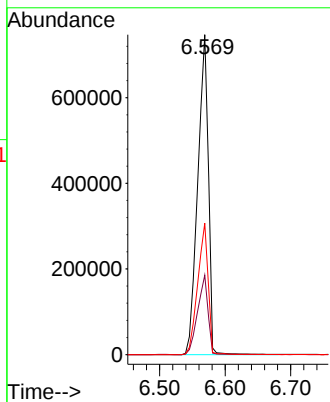
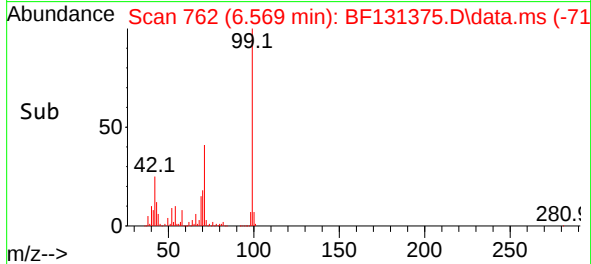
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-15



Tgt Ion: 99 Resp: 835150
Ion Ratio Lower Upper
99 100
42 24.9 19.4 29.2
71 41.1 32.3 48.5

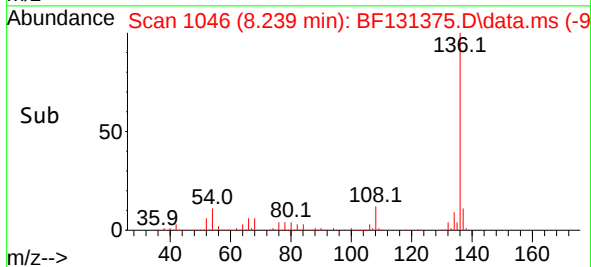
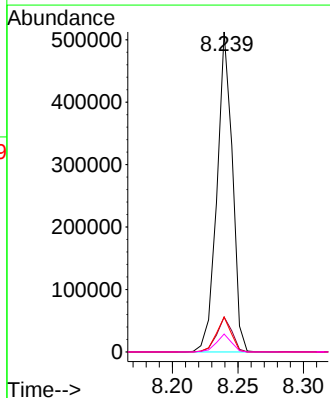
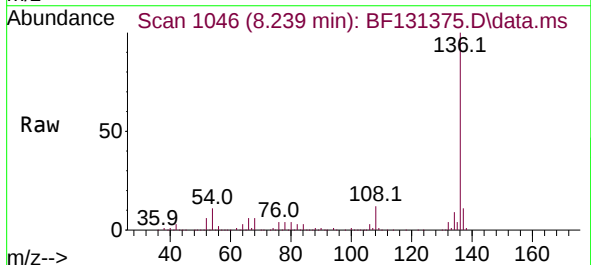
Manual Integrations
APPROVED

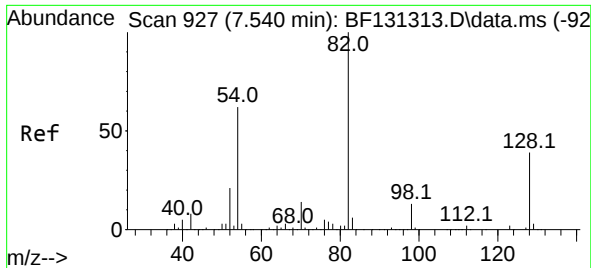
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

Tgt Ion:136 Resp: 419180
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 10.9 9.4 14.0
68 5.6 4.5 6.7





#23
Nitrobenzene-d5
Concen: 66.513 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

Instrument :

BNA_F

ClientSampleId :

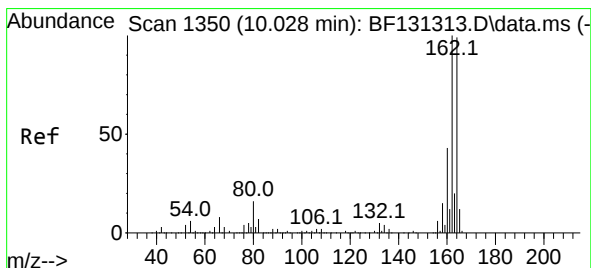
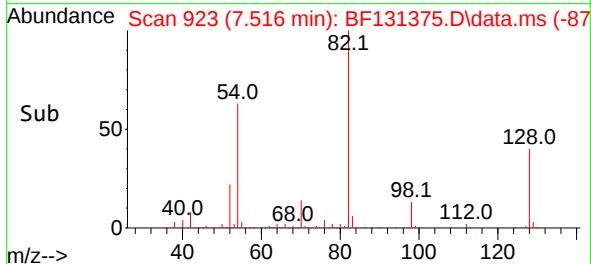
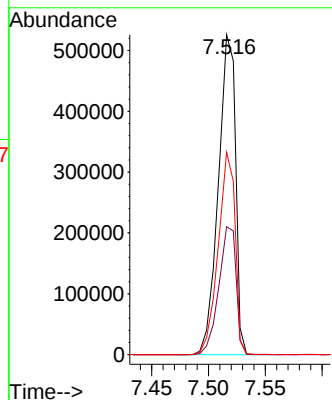
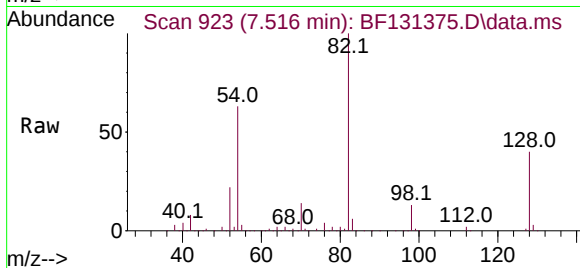
SOIL-PILE-15

Tgt Ion: 82 Resp: 553102
Ion Ratio Lower Upper
82 100
128 40.0 31.4 47.0
54 63.3 49.8 74.6

Manual Integrations

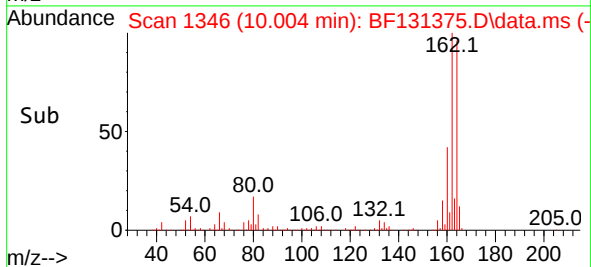
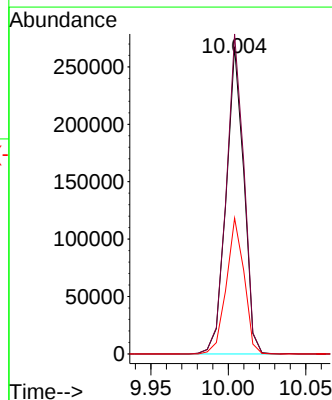
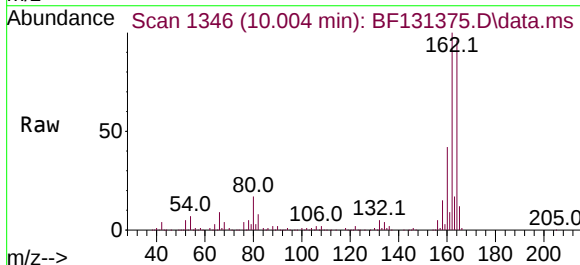
APPROVED

Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

Tgt Ion:164 Resp: 211727
Ion Ratio Lower Upper
164 100
162 104.2 80.6 120.8
160 44.2 34.4 51.6





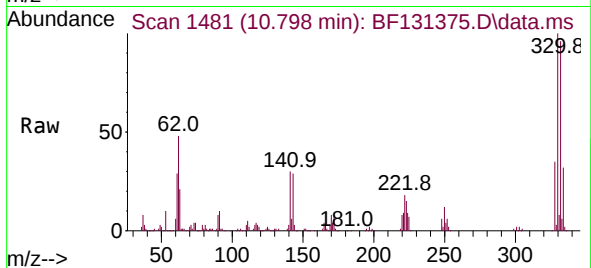
#42
2,4,6-Tribromophenol
Concen: 102.318 ng
RT: 10.798 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-15

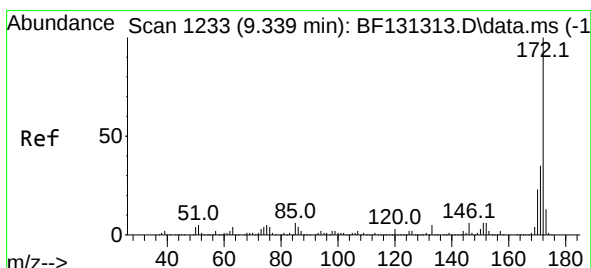
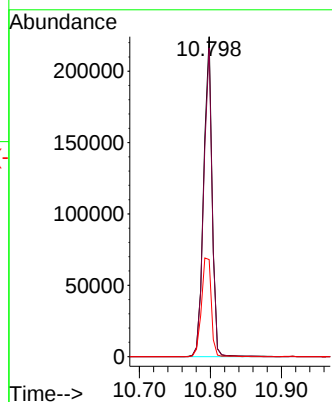
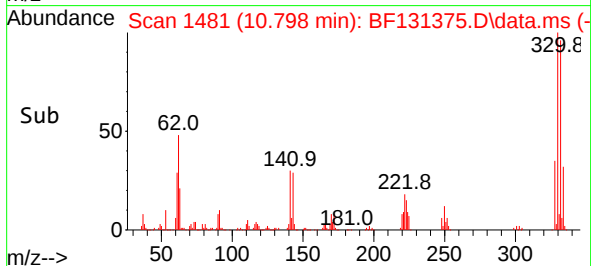


Tgt Ion: 330 Resp: 182256
Ion Ratio Lower Upper
330 100
332 96.7 77.5 116.3
141 36.0 29.3 43.9

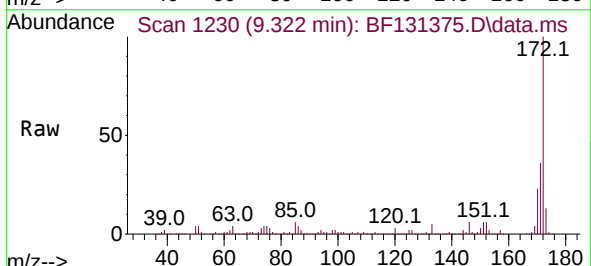
Manual Integrations

APPROVED

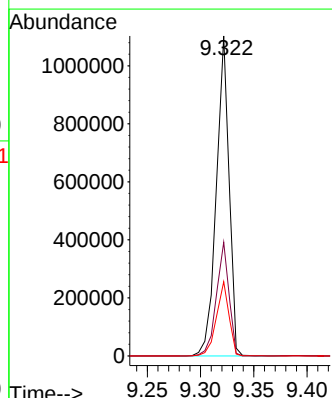
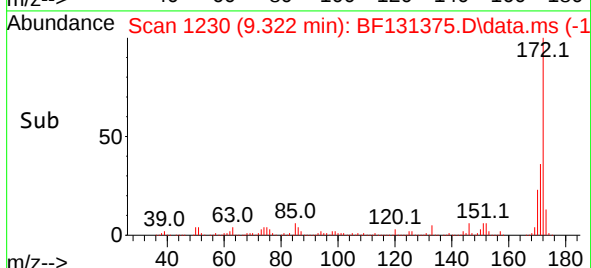
Reviewed By : Christian Giraldo 11/25/2022
Supervised By : Jagrut Upadhyay 11/25/2022

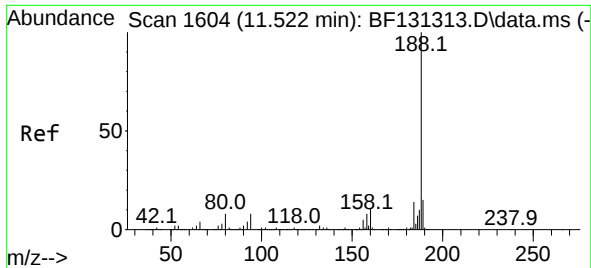


#45
2-Fluorobiphenyl
Concen: 63.203 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44



Tgt Ion: 172 Resp: 919825
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.2 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

Instrument :

BNA_F

ClientSampleId :

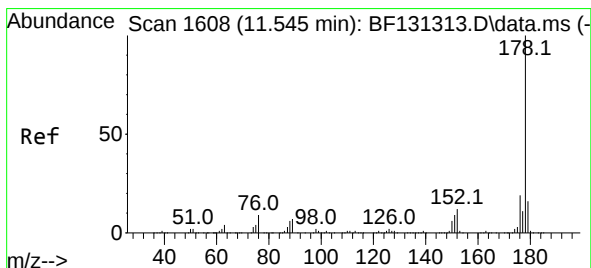
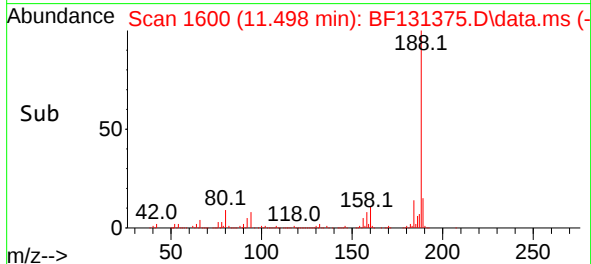
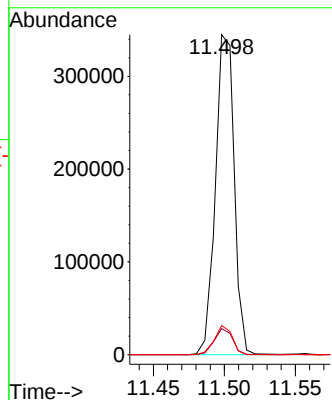
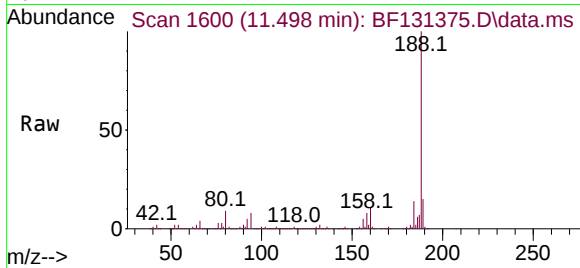
SOIL-PILE-15

Tgt Ion:188 Resp: 318310
Ion Ratio Lower Upper
188 100
94 8.1 6.3 9.5
80 9.1 6.8 10.2

Manual Integrations

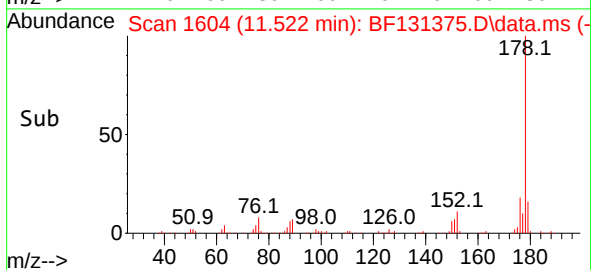
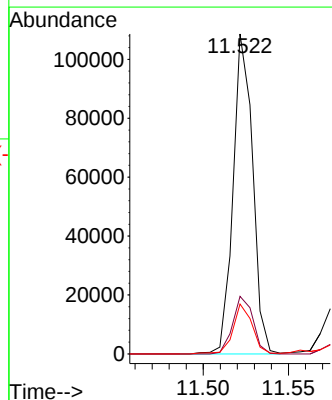
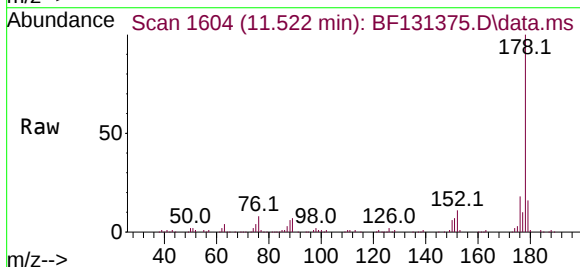
APPROVED

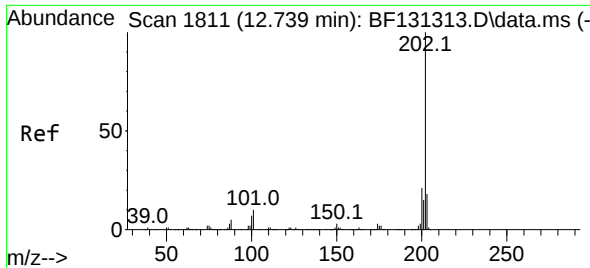
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#71
Phenanthrene
Concen: 5.037 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.012 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

Tgt Ion:178 Resp: 86652
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 15.6 12.4 18.6





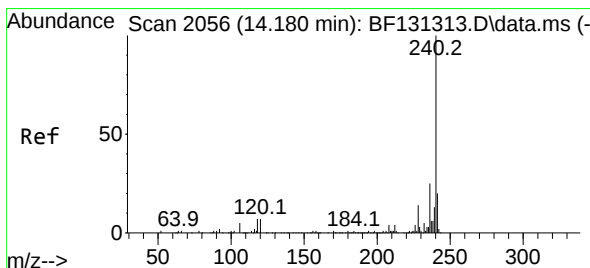
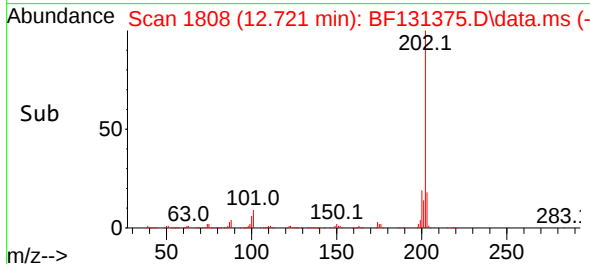
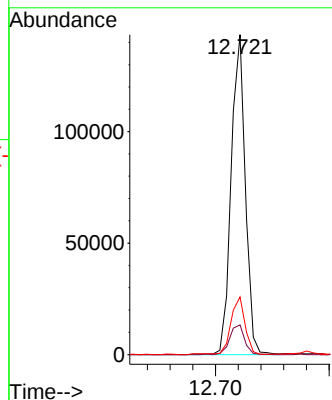
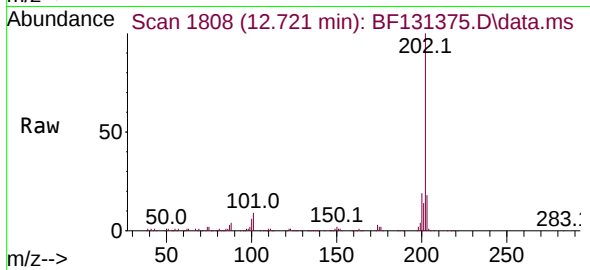
#75
Fluoranthene
Concen: 6.865 ng
RT: 12.721 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-15

Tgt Ion:202 Resp: 124437
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.6
203 18.0 0.0 37.8

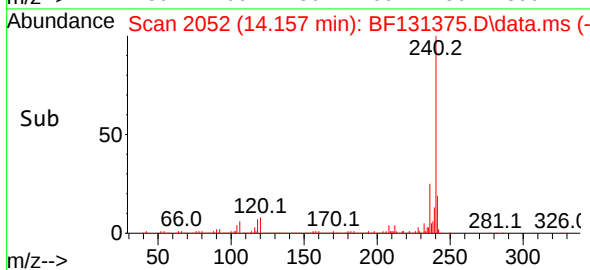
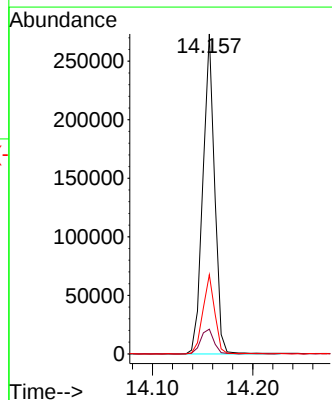
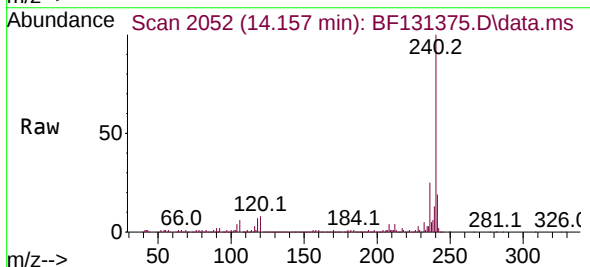
Manual Integrations
APPROVED

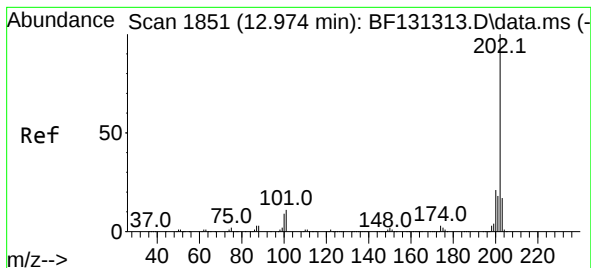
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

Tgt Ion:240 Resp: 221426
Ion Ratio Lower Upper
240 100
120 7.7 5.8 8.8
236 24.7 20.3 30.5





#78

Pyrene

Concen: 5.402 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF131375.D

Acq: 23 Nov 2022 22:44

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-15

Tgt Ion:202 Resp: 105528

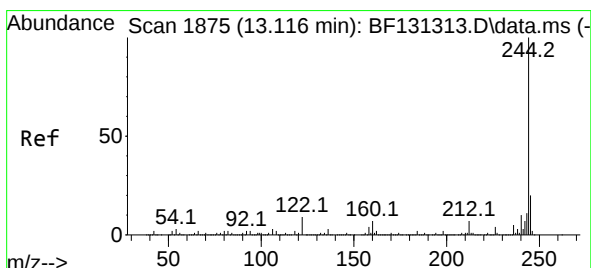
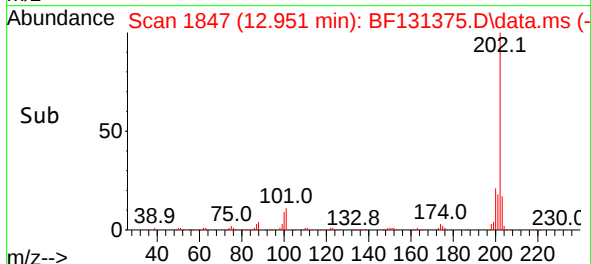
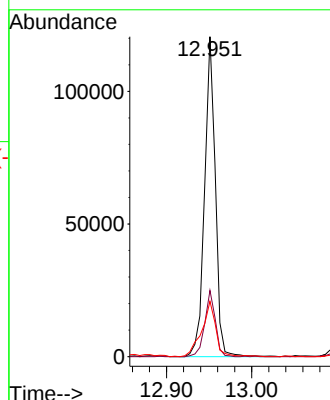
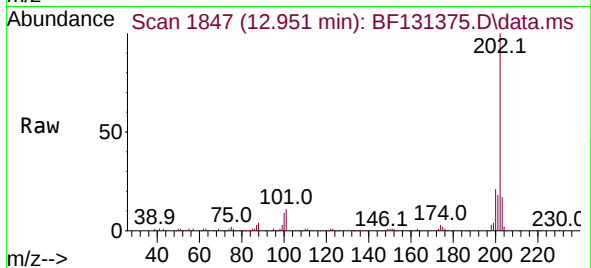
Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	17.3	13.9	20.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/25/2022

Supervised By :Jagrut Upadhyay 11/25/2022



#79

Terphenyl-d14

Concen: 53.197 ng

RT: 13.098 min Scan# 1872

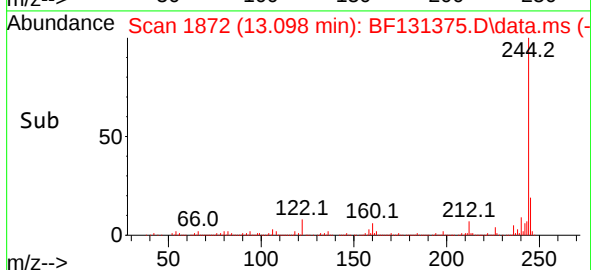
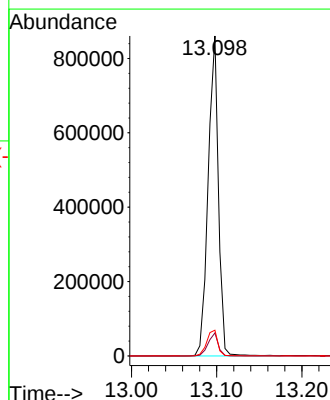
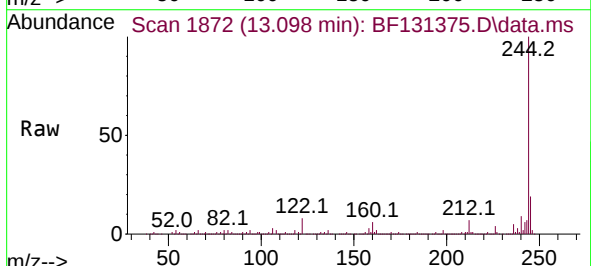
Delta R.T. -0.000 min

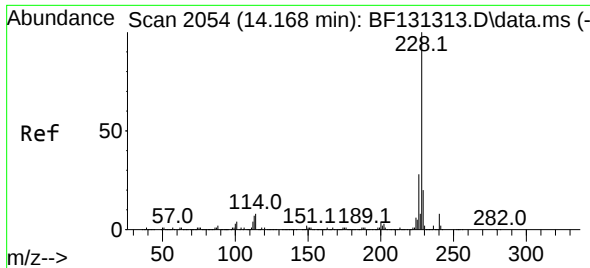
Lab File: BF131375.D

Acq: 23 Nov 2022 22:44

Tgt Ion:244 Resp: 720326

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	8.0	7.5	11.3





#81
Benzo(a)anthracene
Concen: 2.902 ng
RT: 14.145 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

Instrument :

BNA_F

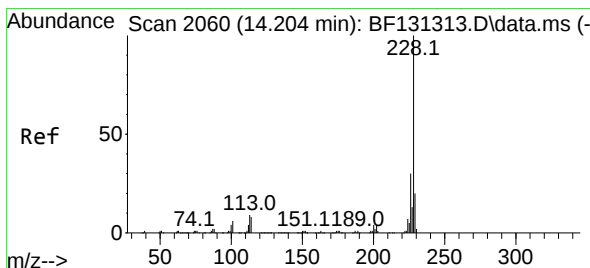
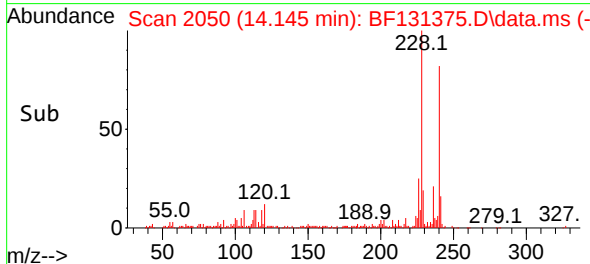
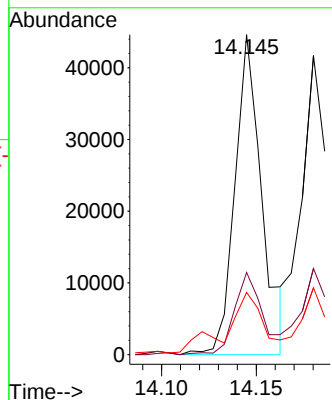
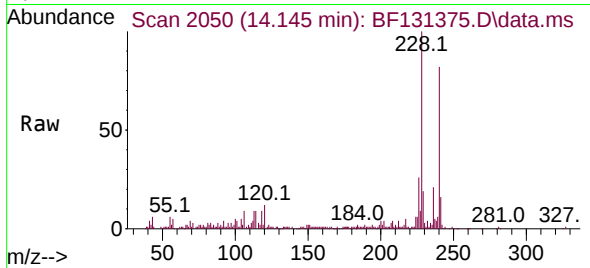
ClientSampleId :

SOIL-PILE-15

Tgt Ion:228 Resp: 44051
Ion Ratio Lower Upper
228 100
226 25.7 22.0 33.0
229 19.4 15.7 23.5

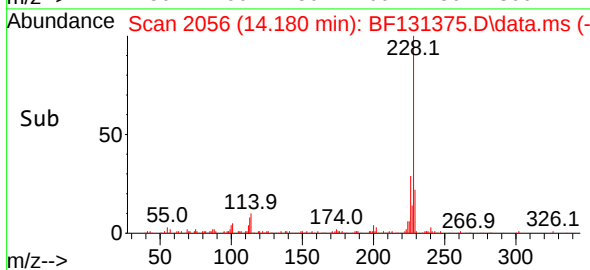
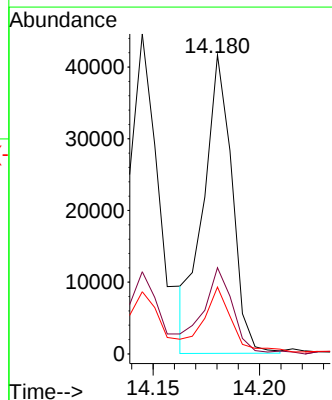
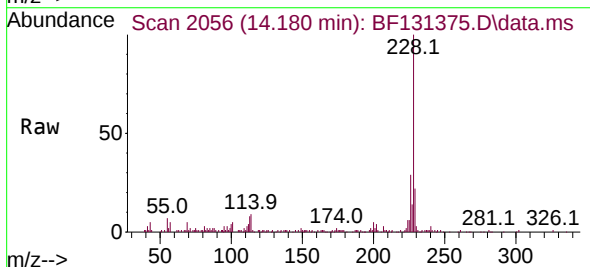
Manual Integrations
APPROVED

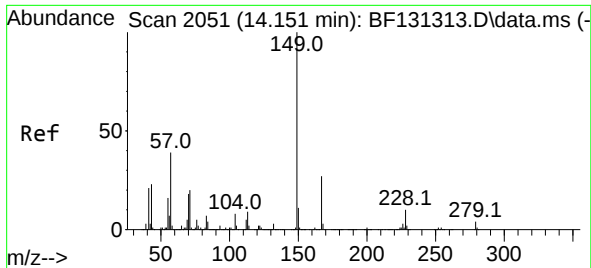
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#83
Chrysene
Concen: 2.612 ng
RT: 14.180 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

Tgt Ion:228 Resp: 38902
Ion Ratio Lower Upper
228 100
226 28.8 23.7 35.5
229 22.3 16.2 24.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.124 ng
RT: 14.133 min Scan# 2051
Delta R.T. -0.000 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

Instrument :

BNA_F

ClientSampleId :

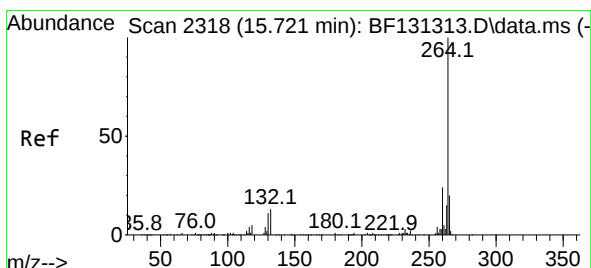
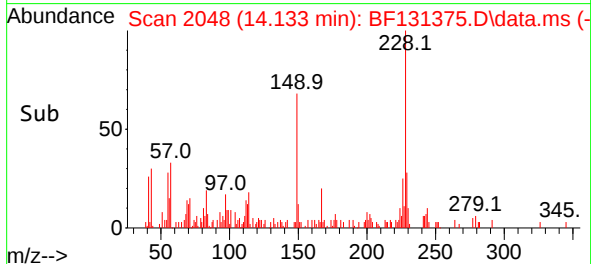
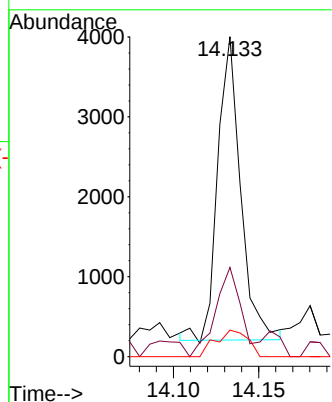
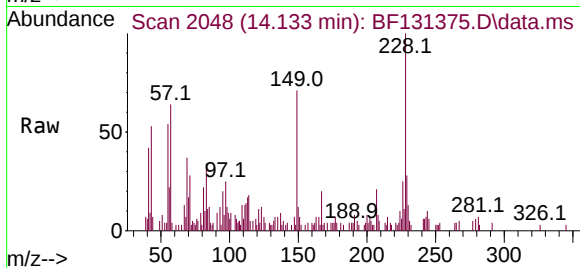
SOIL-PILE-15

Tgt Ion:149 Resp: 3553
Ion Ratio Lower Upper
149 100
167 27.9 21.9 32.9
279 8.3 3.0 4.4

Manual Integrations

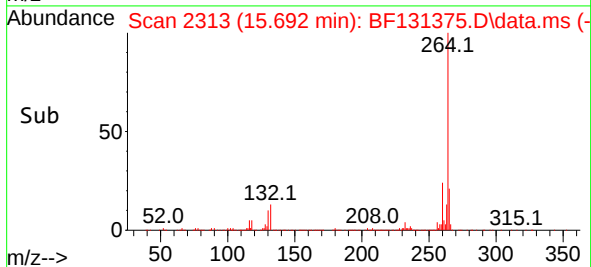
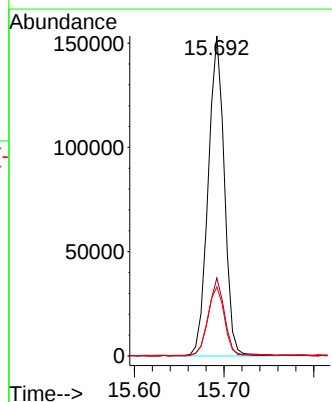
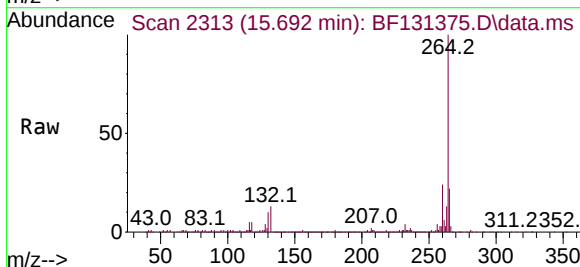
APPROVED

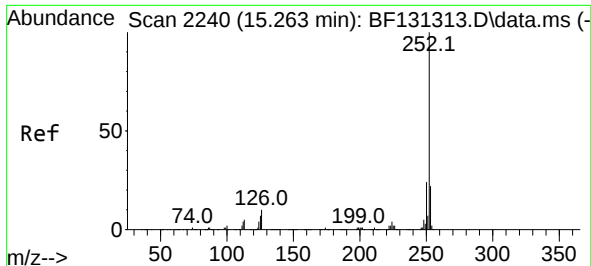
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.692 min Scan# 2313
Delta R.T. -0.000 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

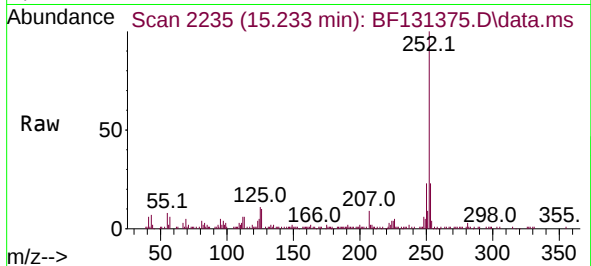
Tgt Ion:264 Resp: 192611
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.4
265 21.6 16.4 24.6





#88
Benzo(b)fluoranthene
Concen: 3.931 ng m
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

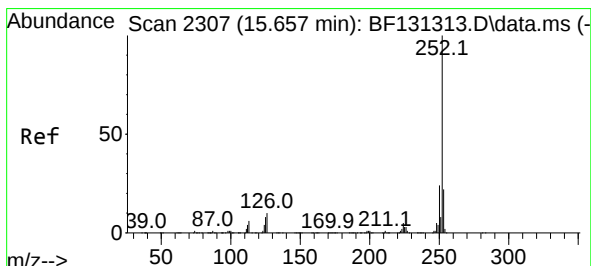
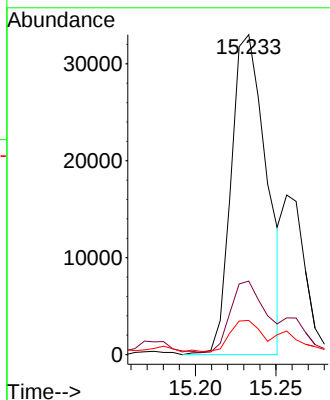
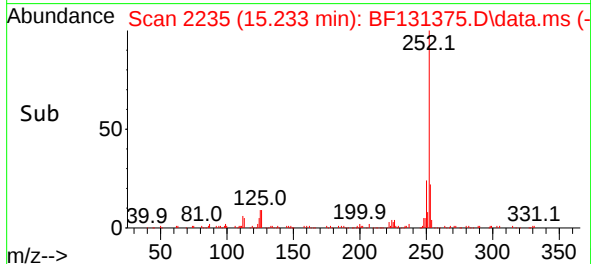
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-15



Tgt Ion:252 Resp: 50300
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.7 5.8 8.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#90
Benzo(a)pyrene
Concen: 3.241 ng
RT: 15.621 min Scan# 2301
Delta R.T. -0.006 min
Lab File: BF131375.D
Acq: 23 Nov 2022 22:44

Tgt Ion:252 Resp: 34031
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 8.4 6.1 9.1

