

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
 Data File : BF113907.D
 Acq On : 23 Apr 2019 4:25
 Operator : JU/SJ
 Sample : K2472-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-NEWARK-SOUTH-PIL

Manual Integrations
 APPROVED

Sohil
 4/23/2019 4:08:28 PM

Quant Time: Apr 24 11:38:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	189384	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	674738	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	341448	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	704271	20.00	ng	0.00
76) Chrysene-d12	14.06	240	563904	20.00	ng	-0.01
87) Perylene-d12	15.54	264	459689	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	215357	19.45	ng	0.00
7) Phenol-d6	6.52	99	272285	19.60	ng	0.00
23) Nitrobenzene-d5	7.45	82	138710	12.69	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	84049	20.21	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	325188	14.90	ng	0.00
79) Terphenyl-d14	13.00	244	439475	15.98	ng	0.00
Target Compounds						
71) Phenanthrene	11.44	178	77930	2.202	ng	96
75) Fluoranthene	12.63	202	149347	3.868	ng	95
78) Pyrene	12.86	202	138910	3.523	ng	97
88) Benzo(b)fluoranthene	15.10	252	69050m	2.374	ng	

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

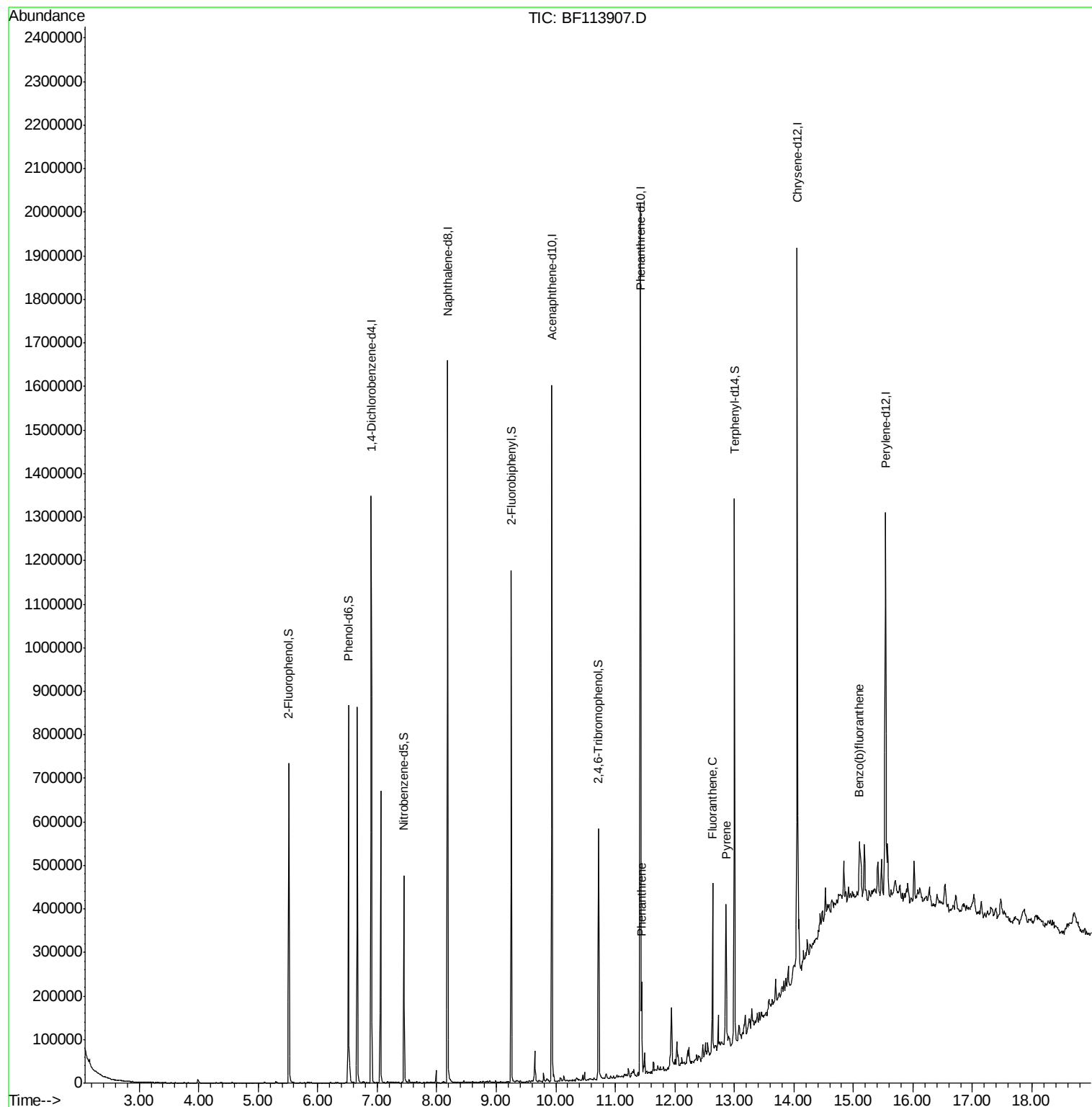
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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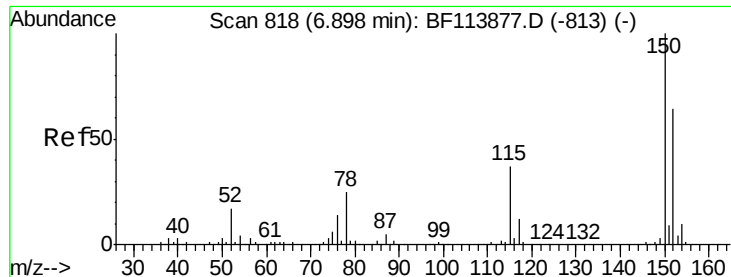
Instrument :
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EXCAVATION-NEWARK-SOUTH-PIL

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#1

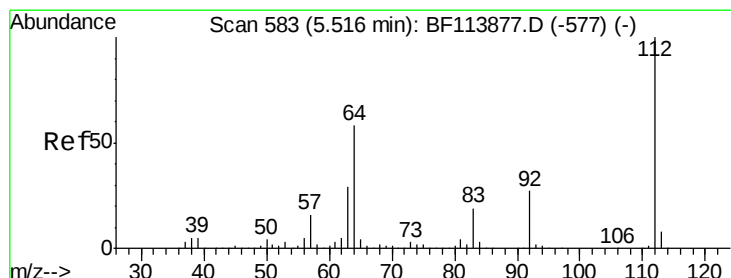
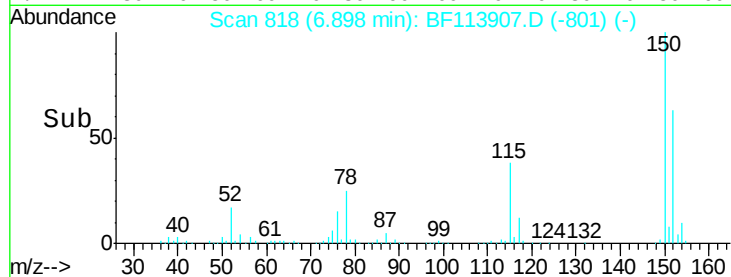
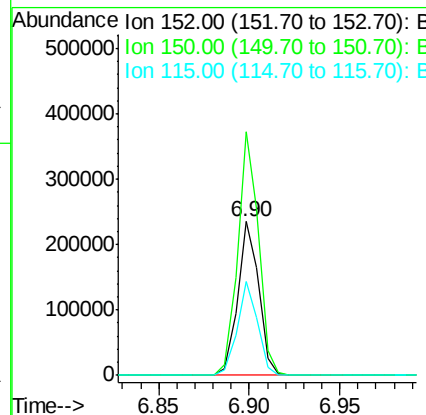
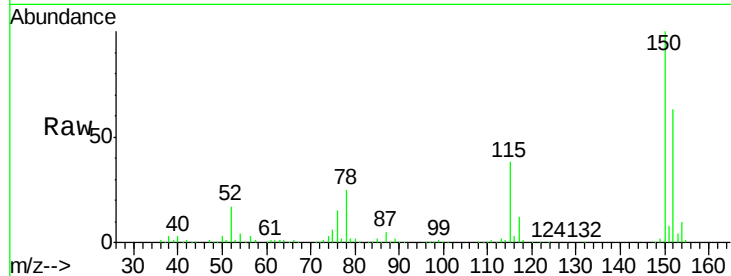
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113907.D
Acq: 23 Apr 2019 4:25

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	189384		
150	158.3	125.9	188.9	
115	60.8	45.9	68.9	

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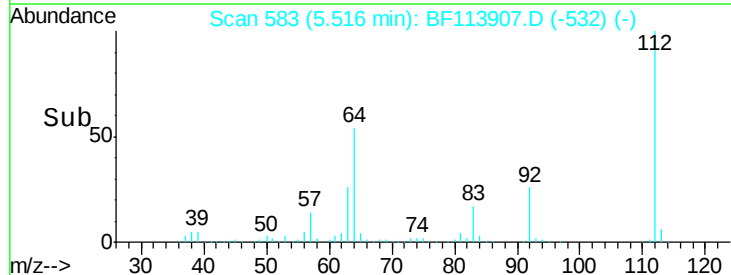
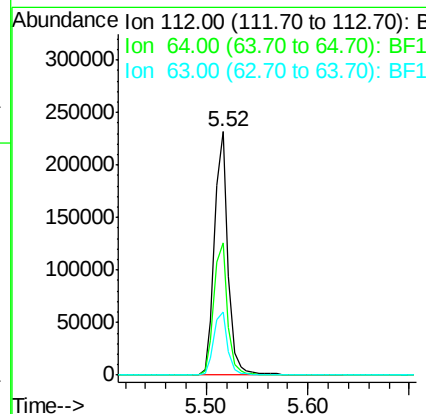
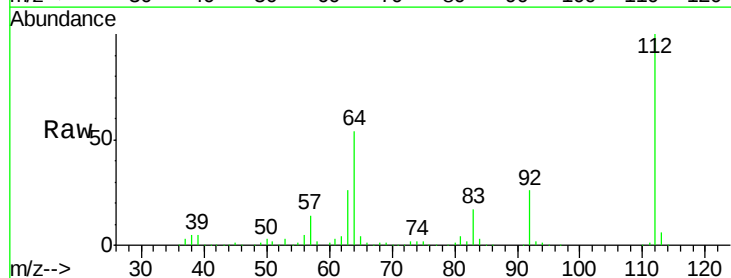
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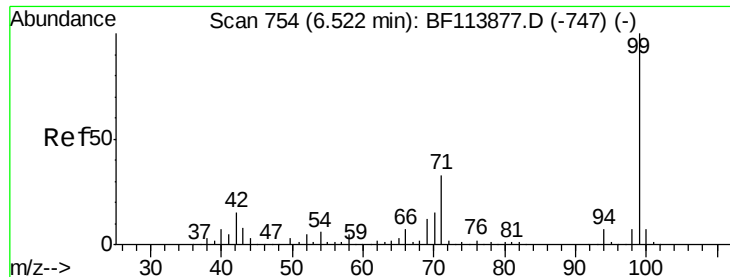


#5

2-Fluorophenol
Concen: 19.449 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF113907.D
Acq: 23 Apr 2019 4:25

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	215357		
64	54.5	46.6	69.8	
63	25.9	23.1	34.7	





#7

Phenol-d6

Concen: 19.600 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Instrument :

BNA_F

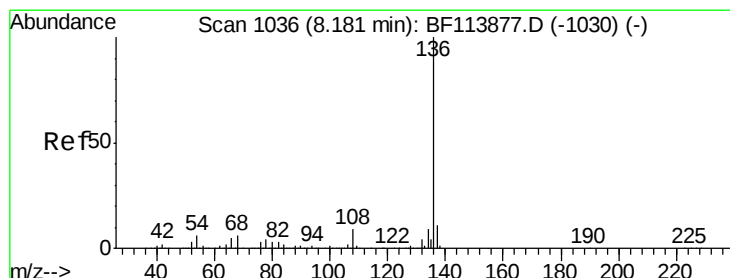
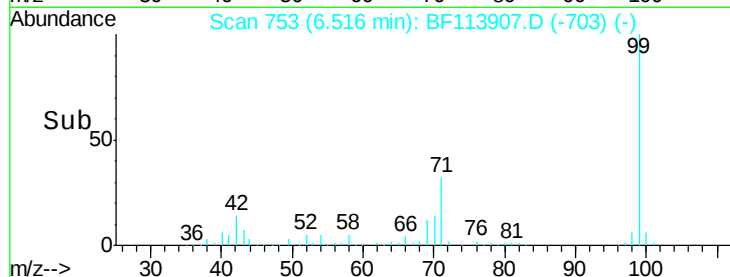
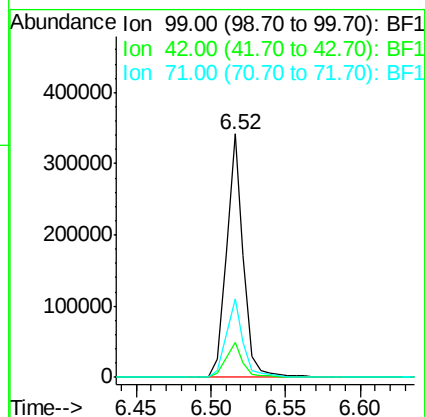
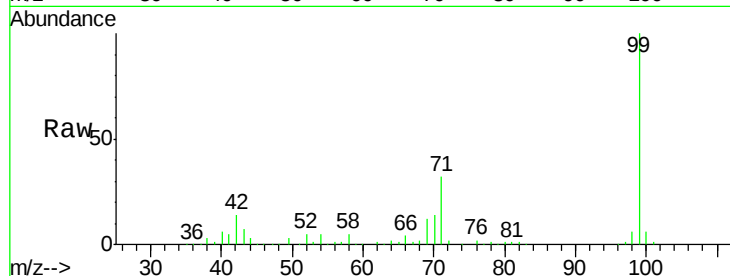
ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion:	99	Resp:	272285
Ion Ratio	Lower	Upper	
99	100		
42	14.2	12.5	18.7
71	32.0	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

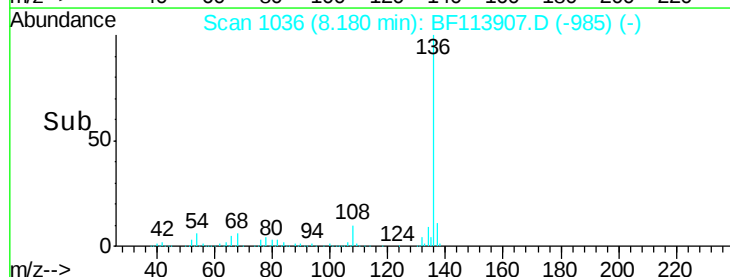
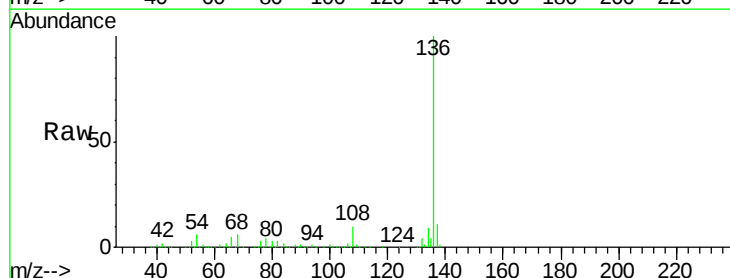
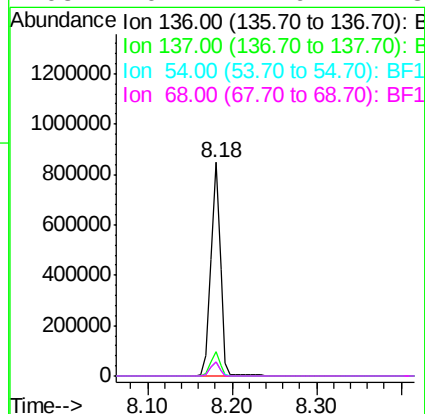
RT: 8.18 min Scan# 1036

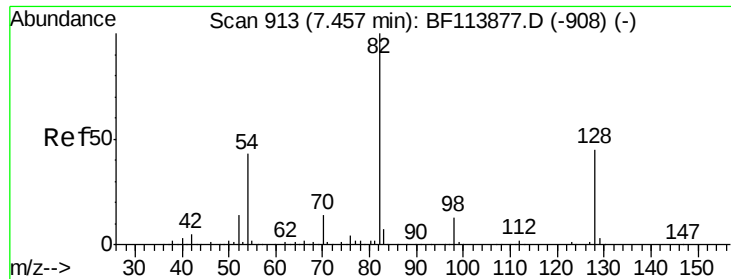
Delta R.T. -0.00 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Tgt Ion:	136	Resp:	674738
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	12.8
54	6.3	5.0	7.6
68	6.4	4.9	7.3





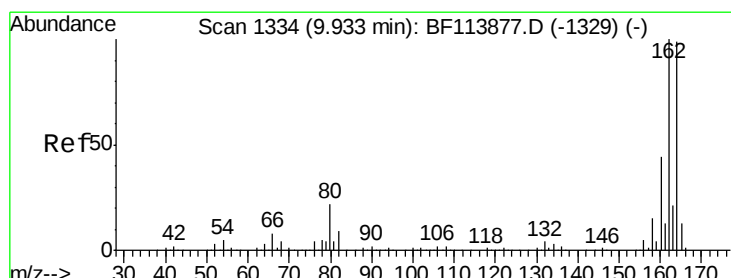
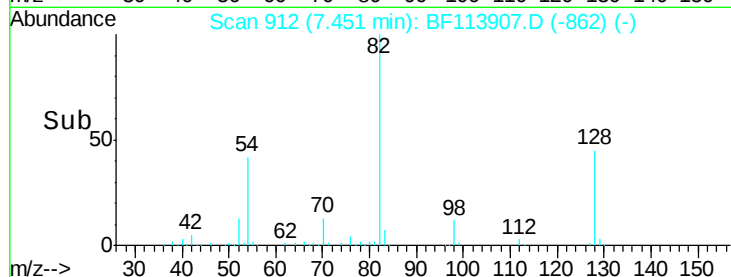
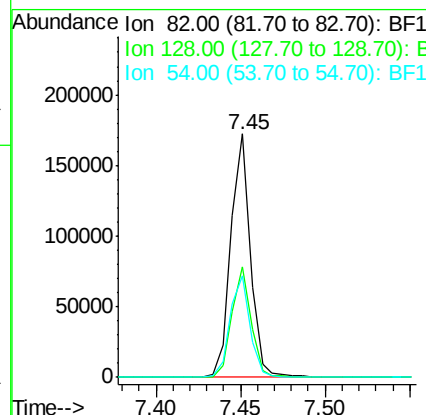
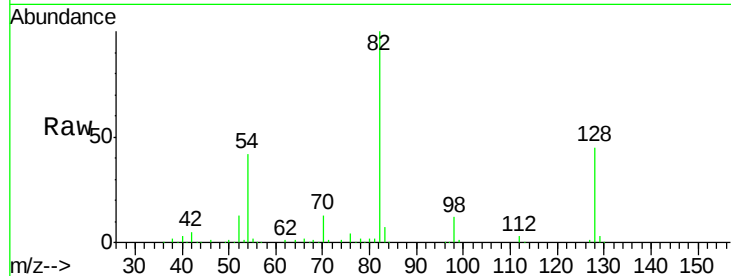
#23
 Nitrobenzene-d5
 Concen: 12.693 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113907.D
 Acq: 23 Apr 2019 4:25

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	138710		
128	45.3	36.8	55.2	
54	41.6	33.8	50.6	

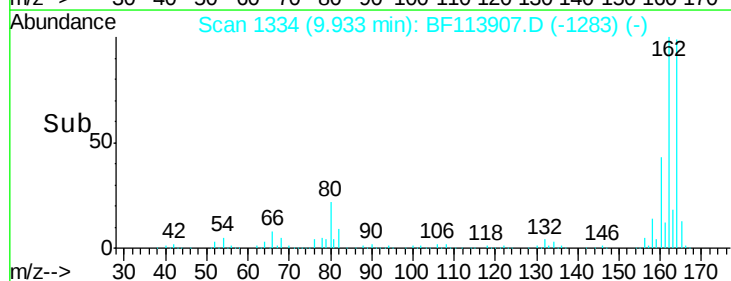
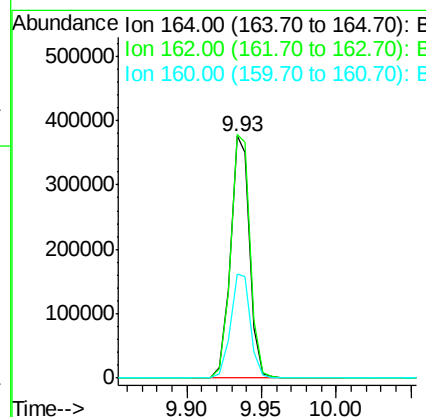
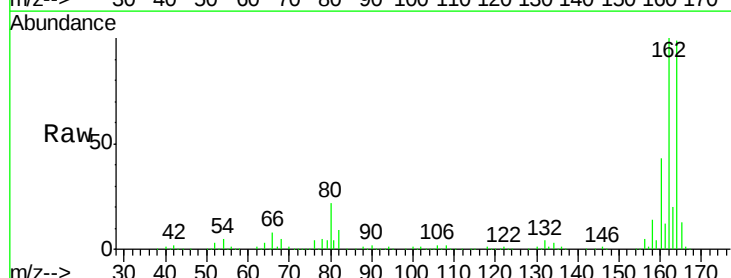
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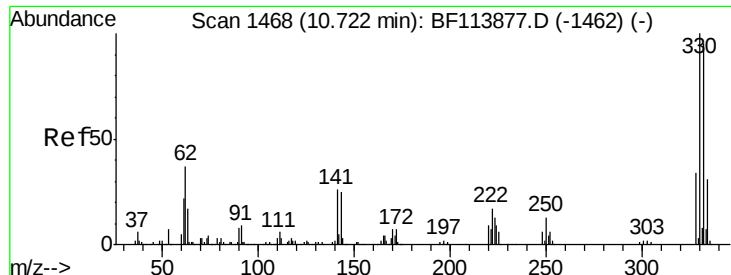
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF113907.D
 Acq: 23 Apr 2019 4:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	341448		
162	100.5	81.1	121.7	
160	43.2	35.8	53.6	





#42

2,4,6-Tribromophenol

Concen: 20.206 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Instrument :

BNA_F

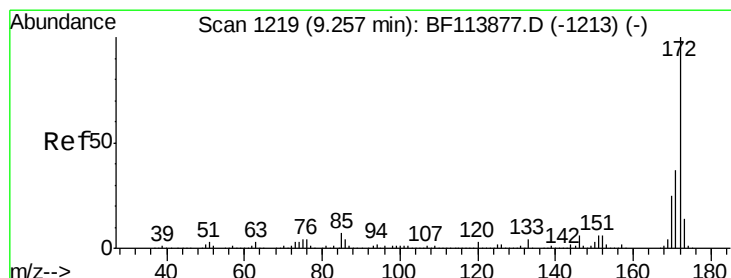
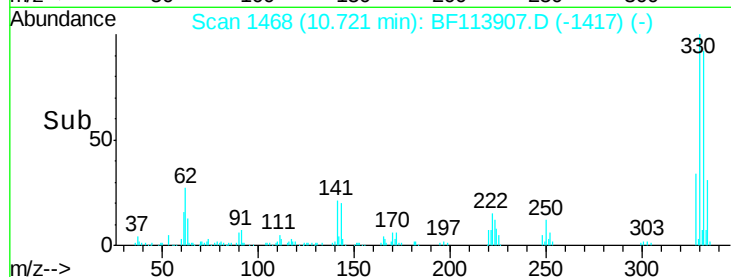
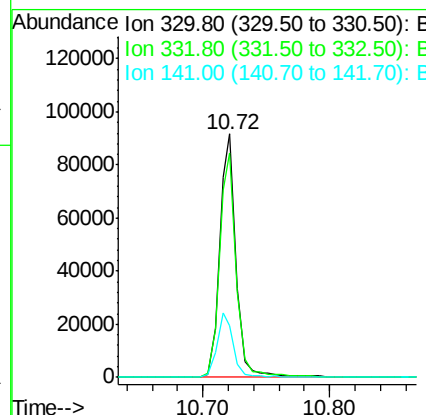
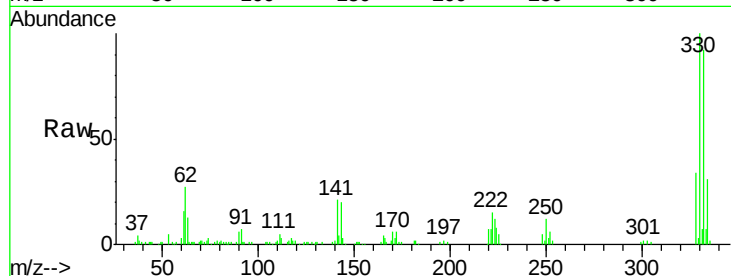
ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion:	330	Resp:	84049
Ion Ratio	Lower	Upper	
330	100		
332	93.8	77.5	116.3
141	26.4	22.2	33.2

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#45

2-Fluorobiphenyl

Concen: 14.895 ng

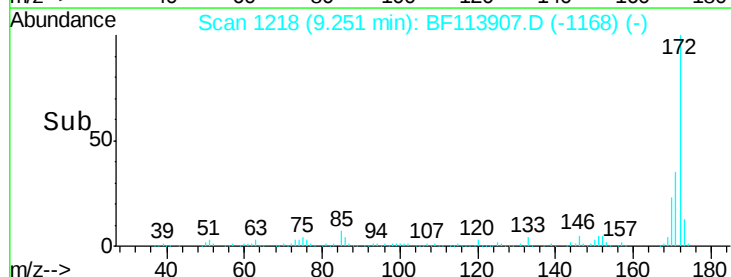
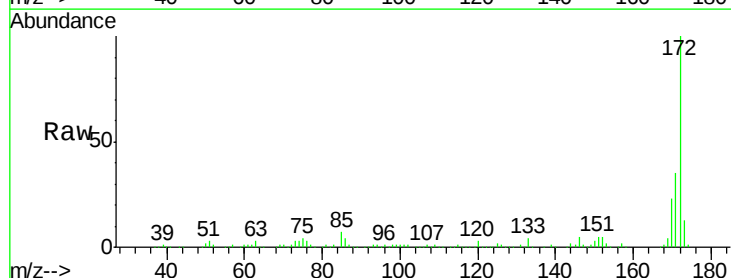
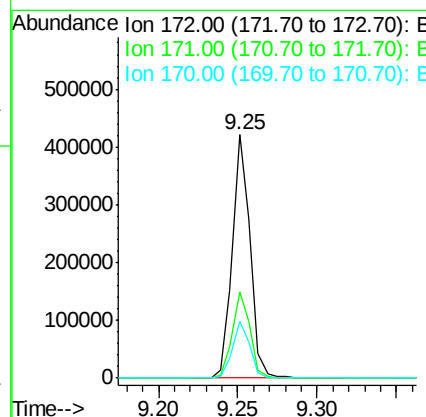
RT: 9.25 min Scan# 1218

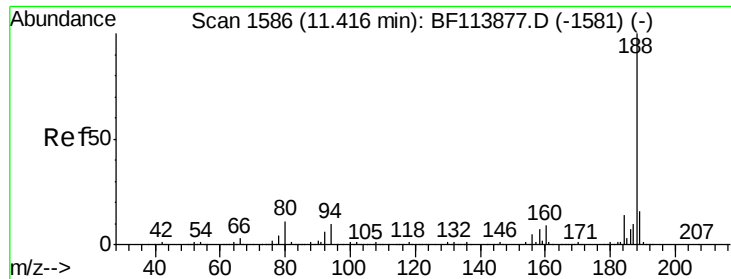
Delta R.T. -0.01 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Tgt Ion:	172	Resp:	325188
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.4	44.0
170	23.2	19.9	29.9





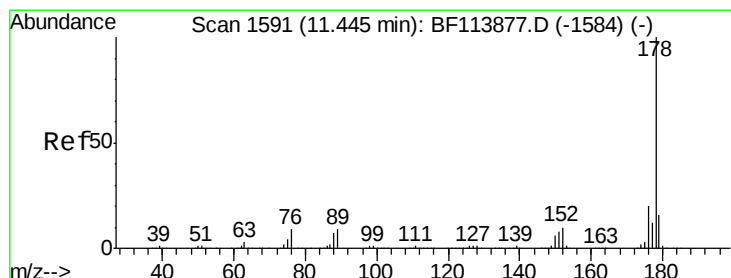
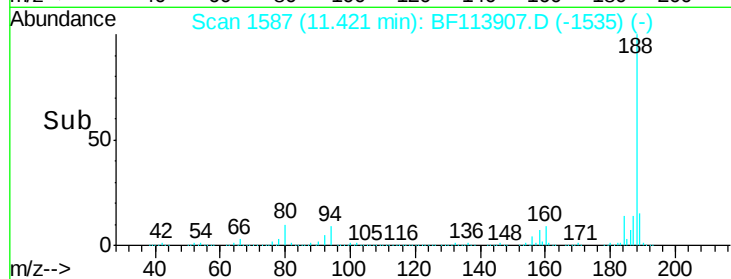
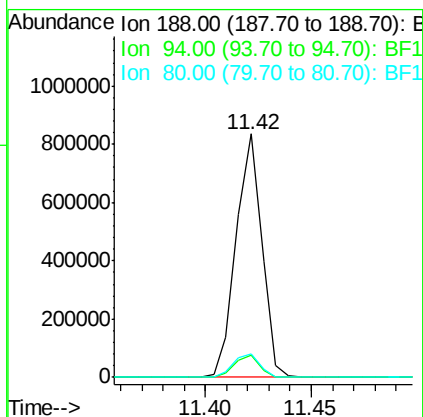
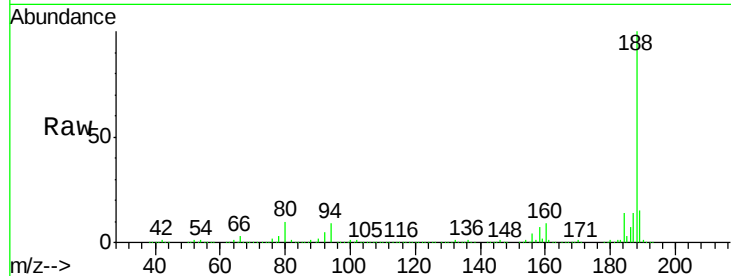
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF113907.D
 Acq: 23 Apr 2019 4:25

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion:	188	Resp:	704271
Ion Ratio	Lower	Upper	
188	100		
94	9.0	8.2	12.4
80	9.9	9.0	13.6

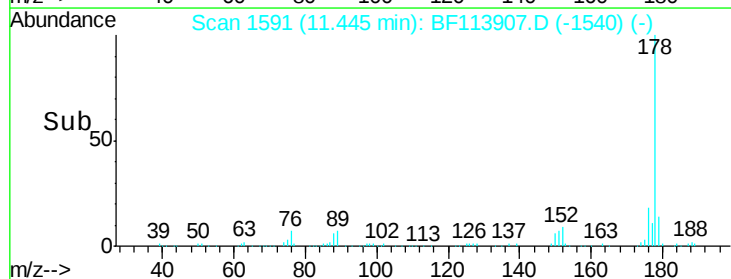
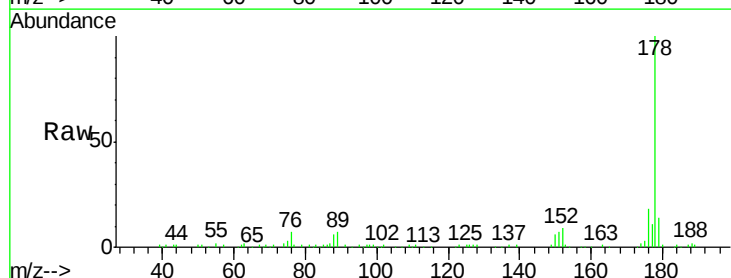
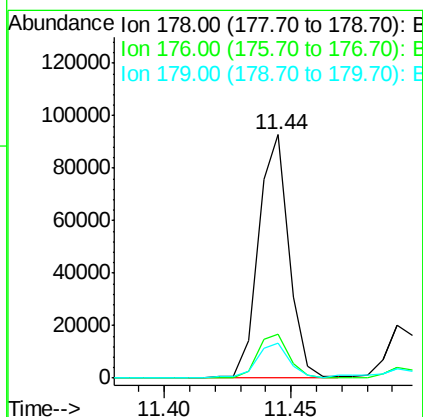
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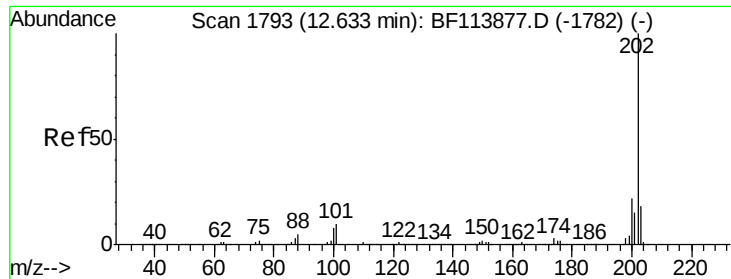
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#71
 Phenanthrene
 Concen: 2.202 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: BF113907.D
 Acq: 23 Apr 2019 4:25

Tgt Ion:	178	Resp:	77930
Ion Ratio	Lower	Upper	
178	100		
176	18.1	16.1	24.1
179	14.5	12.8	19.2





#75

Fluoranthene

Concen: 3.868 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Instrument :

BNA_F

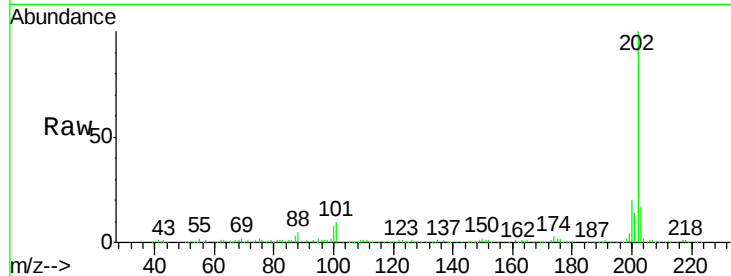
ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

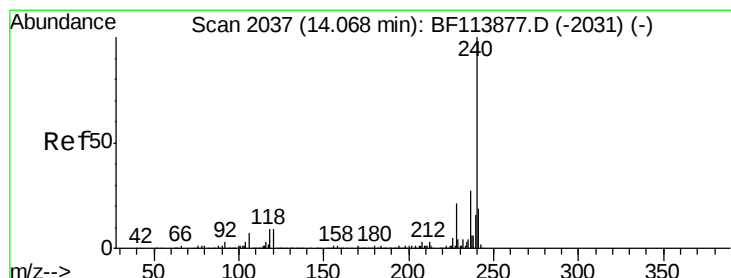
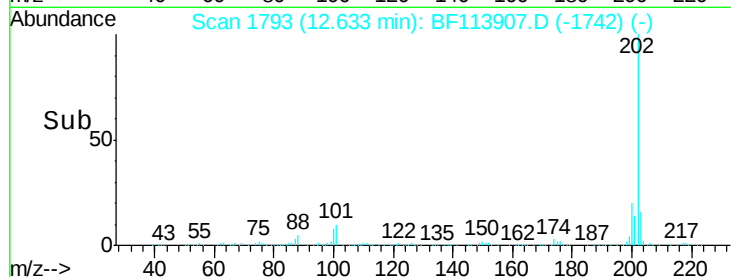
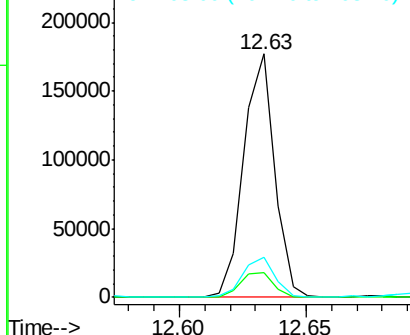
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		149347		
101	10.3	0.0	32.9		
203	16.6	0.0	38.2		

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

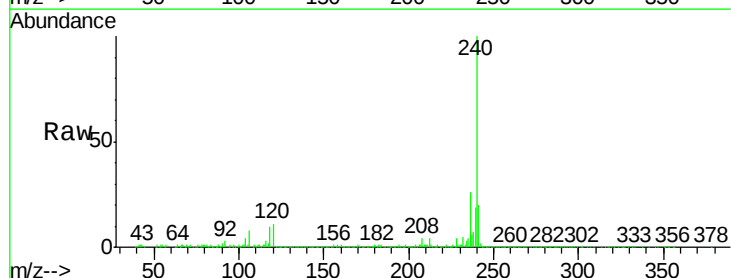
RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

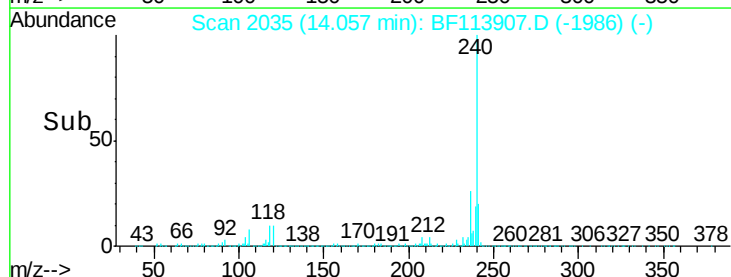
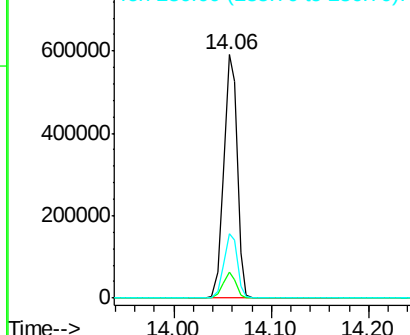
Lab File: BF113907.D

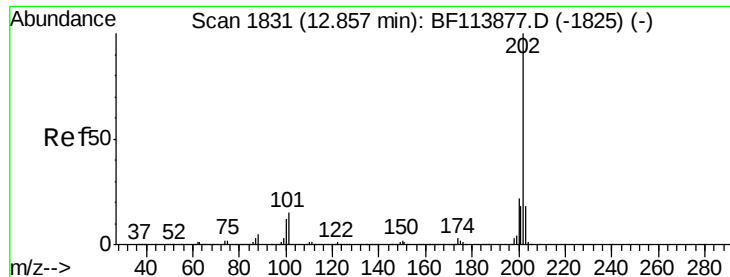
Acq: 23 Apr 2019 4:25

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		563904		
120	10.5	9.3	13.9		
236	26.3	21.2	31.8		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





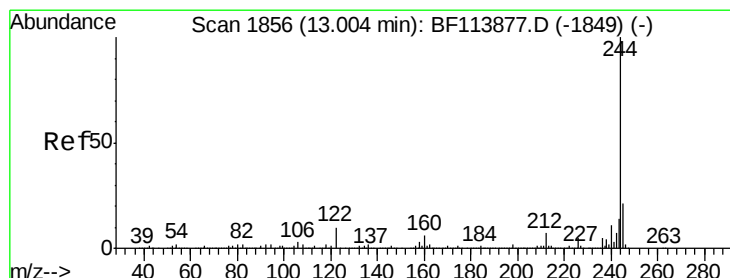
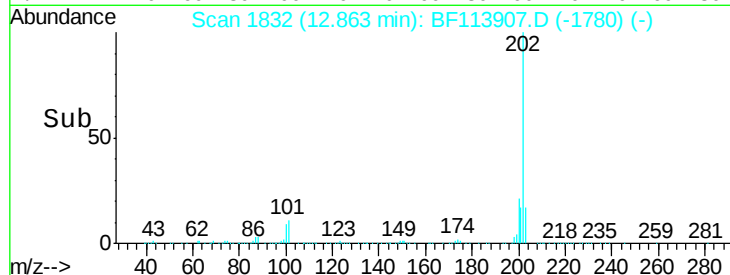
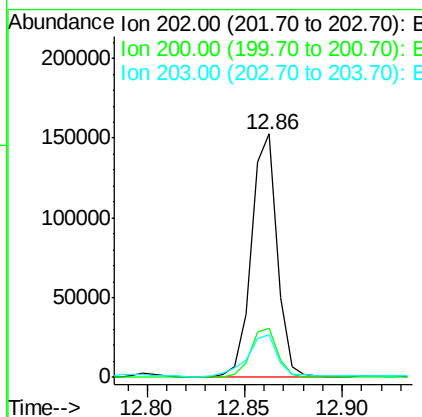
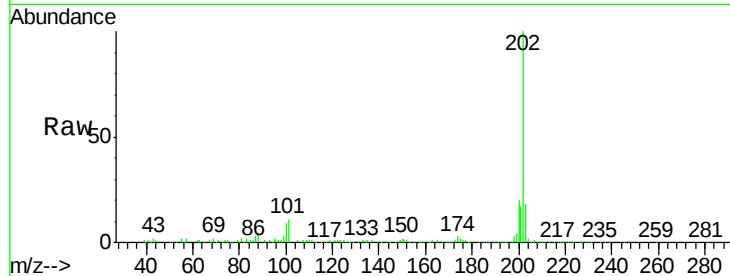
#78
Pyrene
Concen: 3.523 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF113907.D
Acq: 23 Apr 2019 4:25

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.4	17.7	26.5	
203	17.5	15.0	22.6	

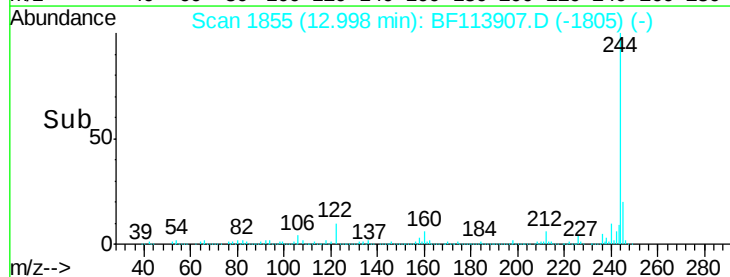
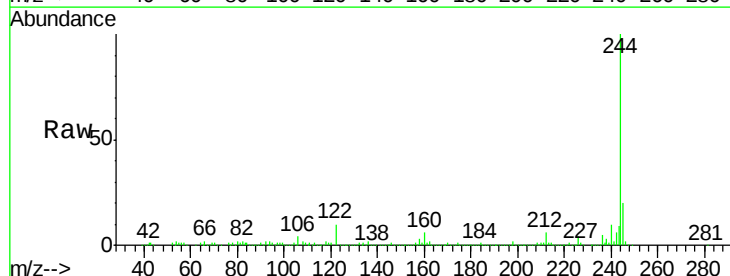
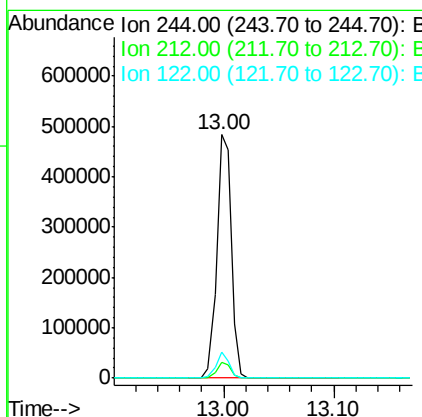
Manual Integrations
APPROVED

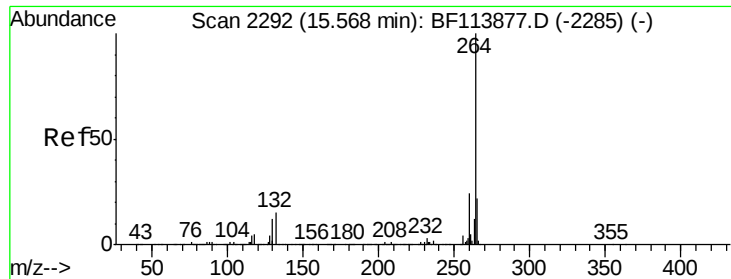
Sohil
4/23/2019 4:08:28 PM



#79
Terphenyl-d14
Concen: 15.978 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF113907.D
Acq: 23 Apr 2019 4:25

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.3	5.4	8.2	
122	10.5	7.6	11.4	





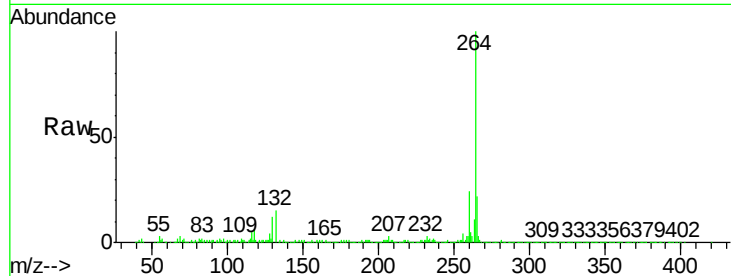
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.03 min
Lab File: BF113907.D
Acq: 23 Apr 2019 4:25

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-NEWARK-SOUTH-PIL

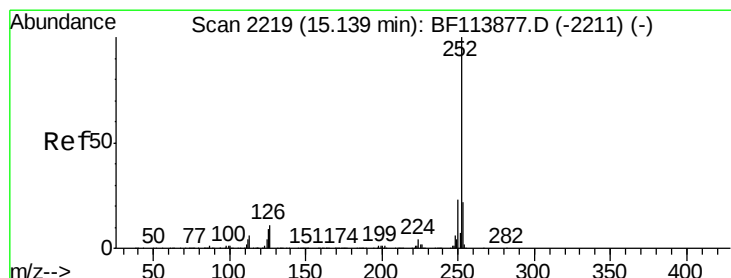
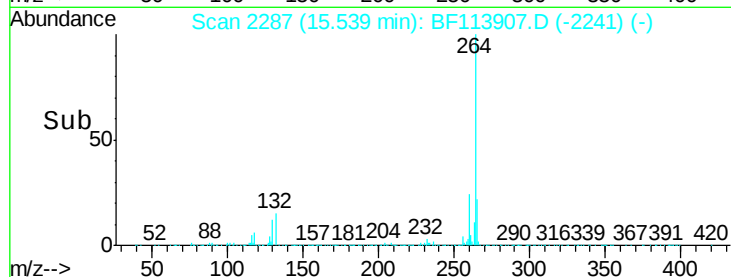
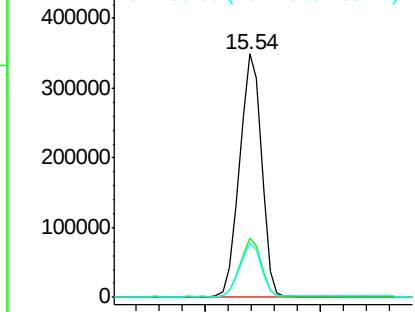
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	459689		
260	24.2	18.9	28.3	
265	22.4	17.3	25.9	

Manual Integrations
APPROVED

Sohil
4/23/2019 4:08:28 PM

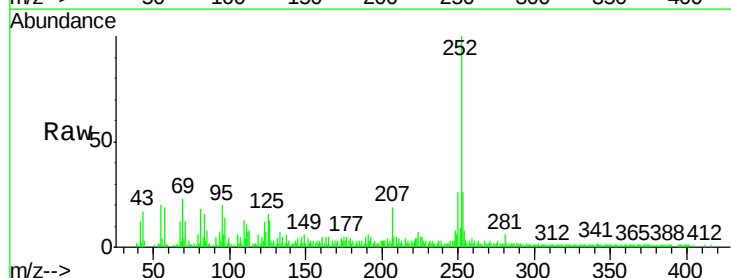


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 2.374 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF113907.D
Acq: 23 Apr 2019 4:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	69050		
253	26.1	17.8	26.6	
125	15.5	7.0	10.6	



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

