

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113227.D
 Acq On : 22 Mar 2019 00:58
 Operator : JU/SJ
 Sample : K1989-05DL2 100X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL2

Manual Integrations
 APPROVED

Sohil
 3/22/2019 3:36:12 PM

Quant Time: Mar 22 15:25:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	165462	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	710534	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	323508	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	577935	20.00	ng	-0.01
76) Chrysene-d12	13.87	240	489037	20.00	ng	0.00
87) Perylene-d12	15.28	264	408076	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	5791	0.54	ng	0.00
7) Phenol-d6	6.38	99	8679	0.65	ng	0.00
23) Nitrobenzene-d5	7.29	82	5562	0.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	2229	0.65	ng	0.00
45) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
79) Terphenyl-d14	12.82	244	15060	0.60	ng	0.00
Target Compounds						
55) Dibenzofuran	9.96	168	89747	3.019	ng	95
71) Phenanthrene	11.26	178	1556635	54.135	ng	100
72) Anthracene	11.31	178	79377	2.637	ng	96
73) Carbazole	11.47	167	112074	3.817	ng	96
75) Fluoranthene	12.45	202	1712148	55.576	ng	97
78) Pyrene	12.67	202	1289320	31.274	ng	99
81) Benzo(a)anthracene	13.86	228	299287	8.830	ng	99
83) Chrysene	13.89	228	525950	15.842	ng	97
88) Benzo(b)fluoranthene	14.88	252	253292m	9.596	ng	
89) Benzo(k)fluoranthene	14.90	252	98811m	4.133	ng	
90) Benzo(a)pyrene	15.22	252	67576	2.894	ng	98

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

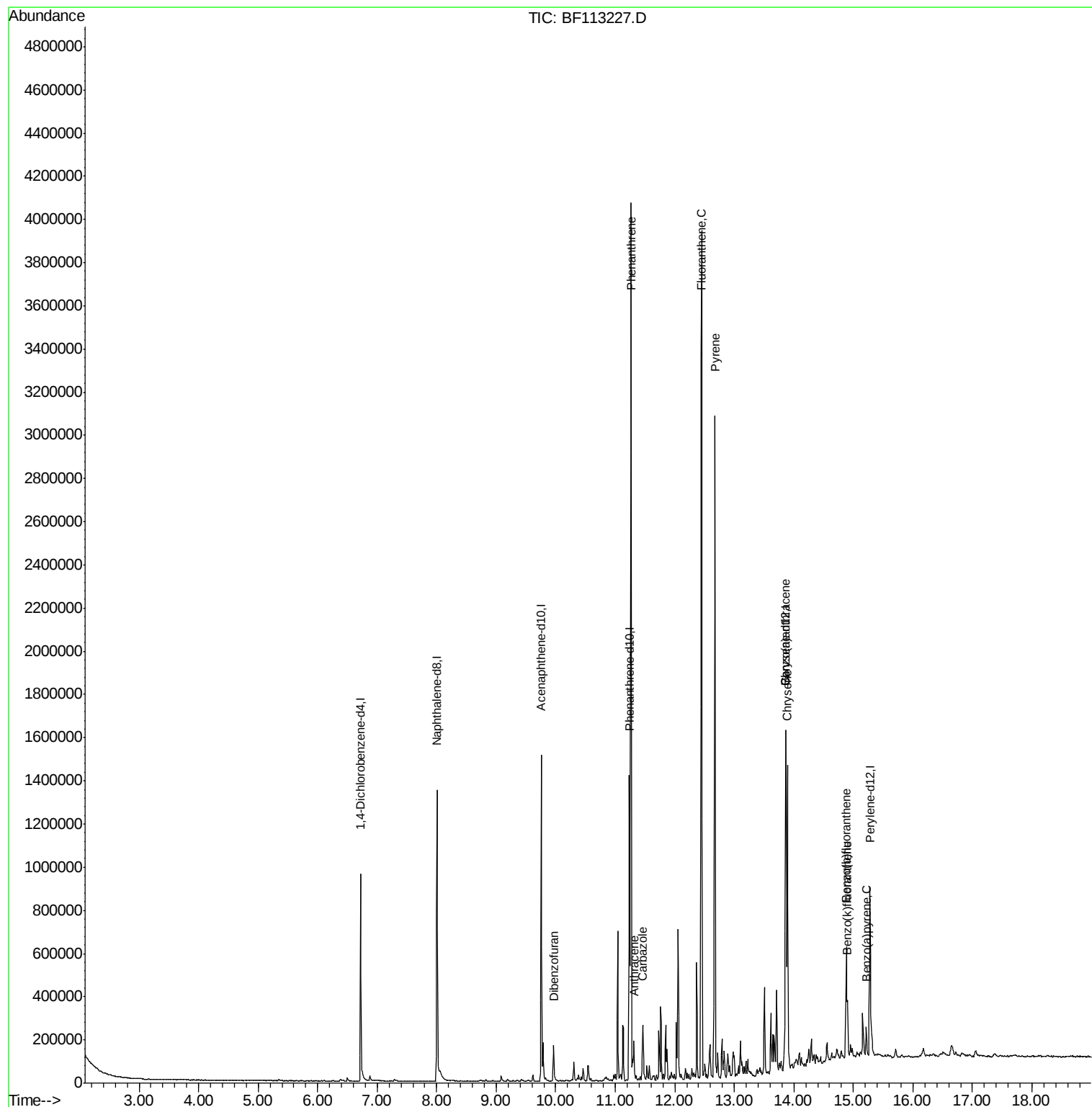
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113227.D
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Sample : K1989-05DL2 100X
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ALS Vial : 28 Sample Multiplier: 1

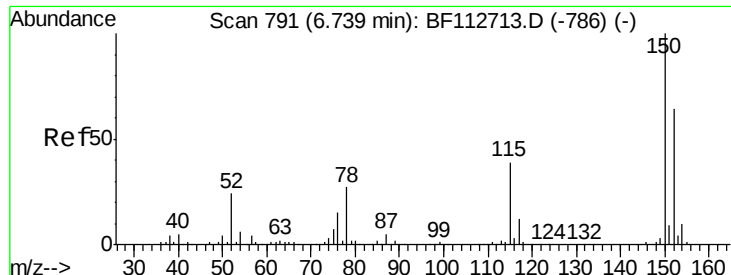
Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL2

Manual Integrations
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#1

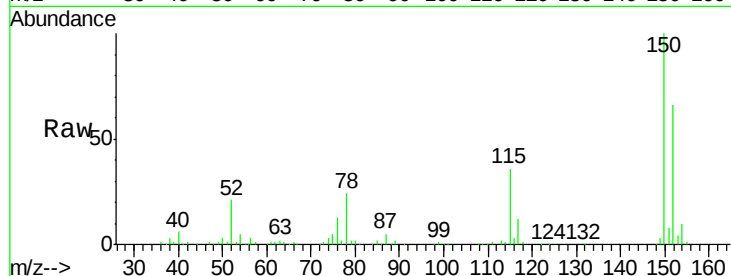
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.2	186.2
115	55.5	48.2	72.4

Manual Integrations
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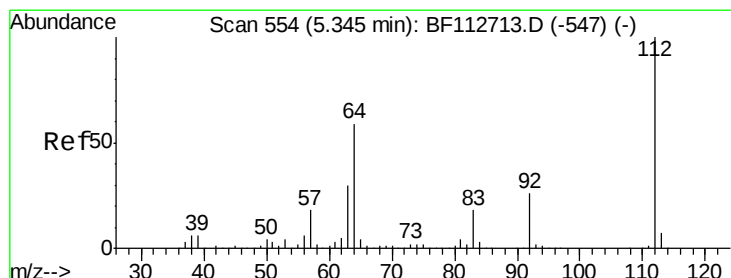
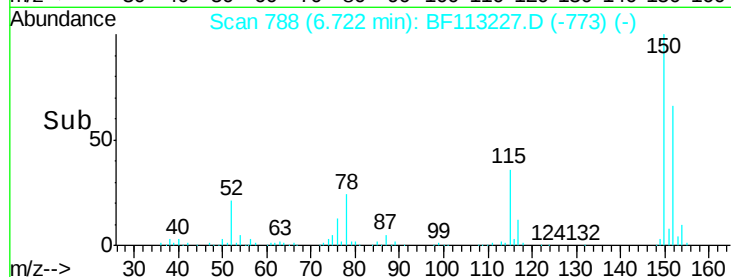
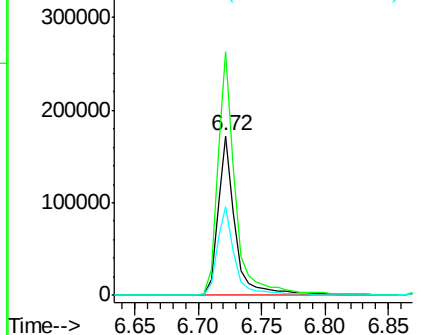


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

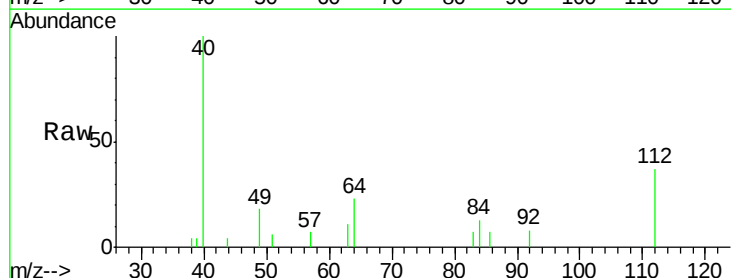
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 0.544 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	47.6	71.4
63	28.6	24.4	36.6

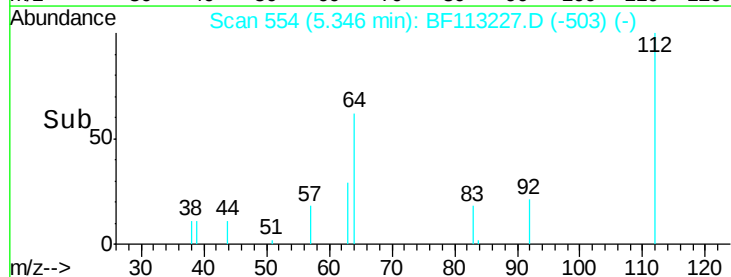
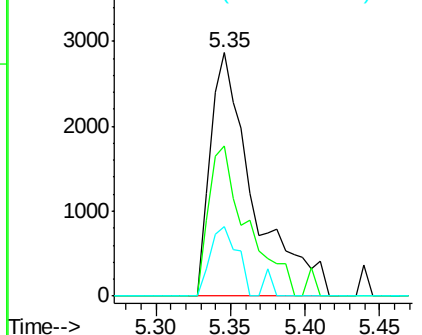


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 0.650 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Instrument :

BNA_F

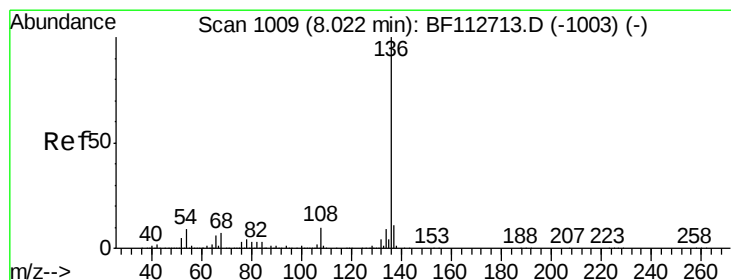
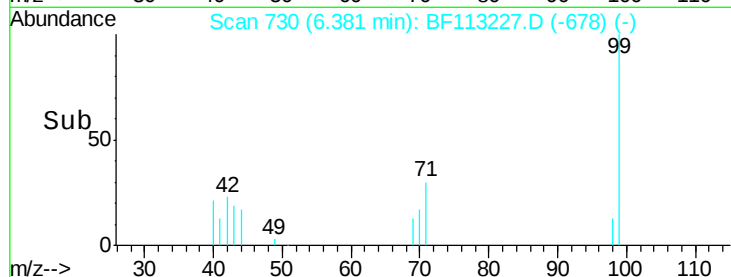
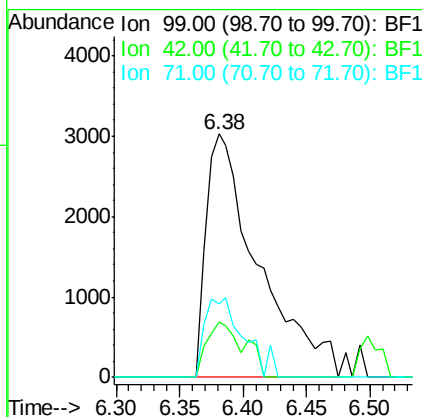
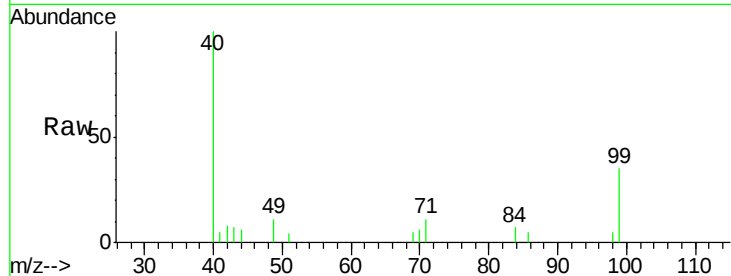
ClientSampleId :

PEDESTALS-1-11DL2

Tgt Ion:	99	Resp:	8679
Ion	Ratio	Lower	Upper
99	100		
42	22.6	16.3	24.5
71	30.3	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

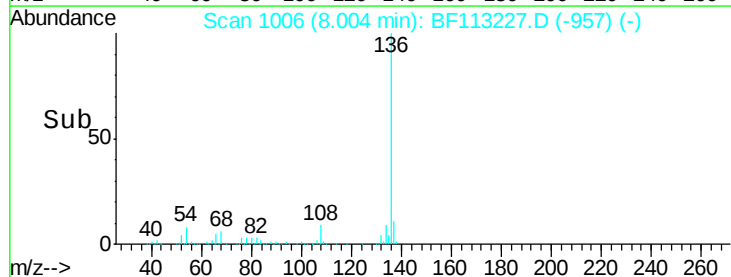
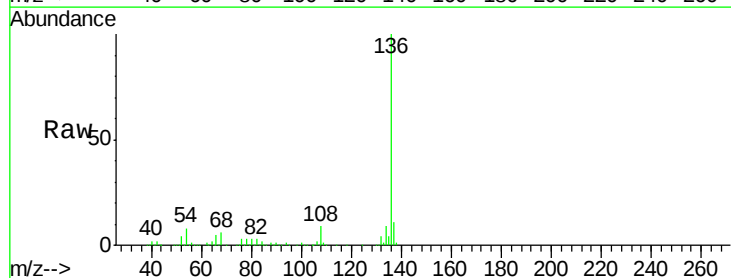
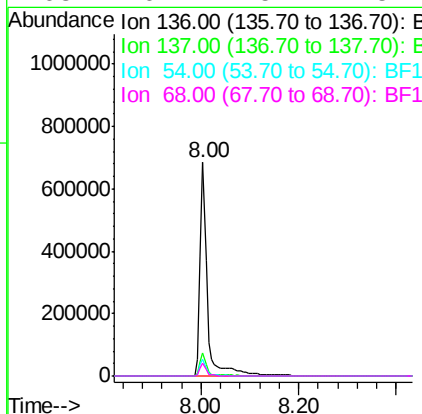
RT: 8.00 min Scan# 1006

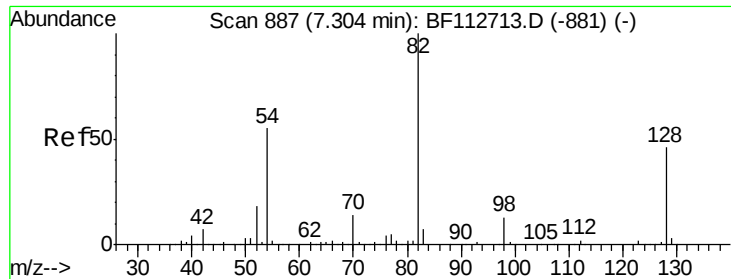
Delta R.T. -0.01 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Tgt Ion:	136	Resp:	710534
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.7	7.3	10.9
68	6.1	5.4	8.2





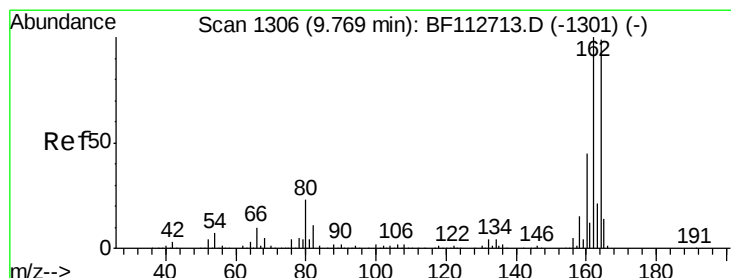
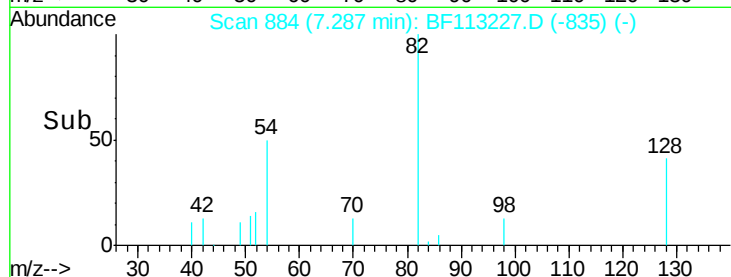
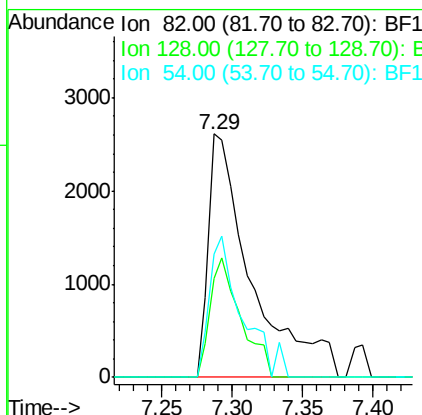
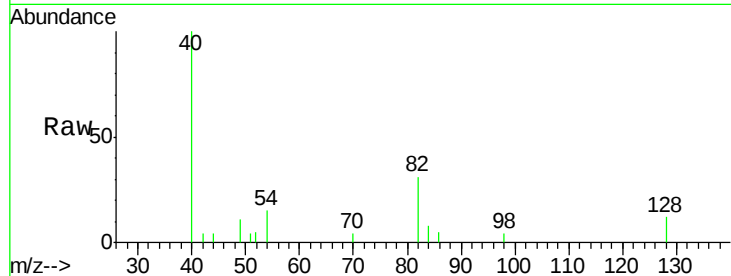
#23
Nitrobenzene-d5
Concen: 0.468 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.6	36.3	54.5
54	50.5	43.7	65.5

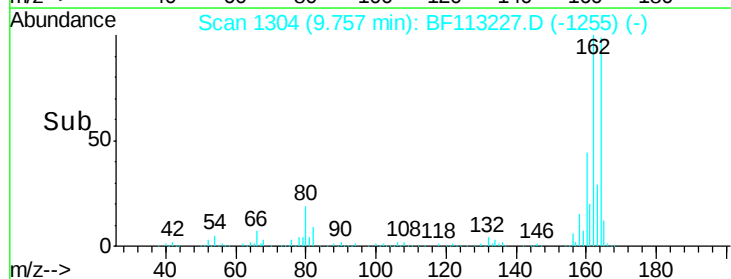
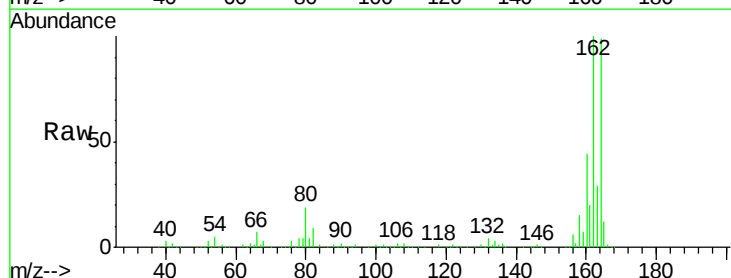
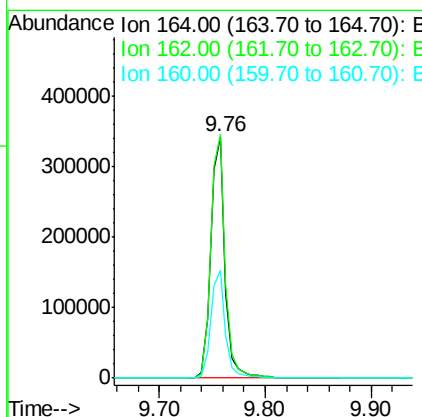
Manual Integrations
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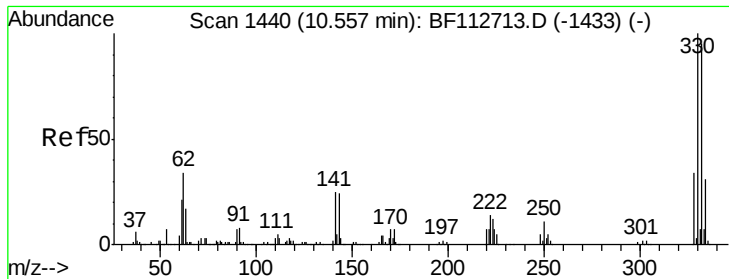
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.5	36.0	54.0





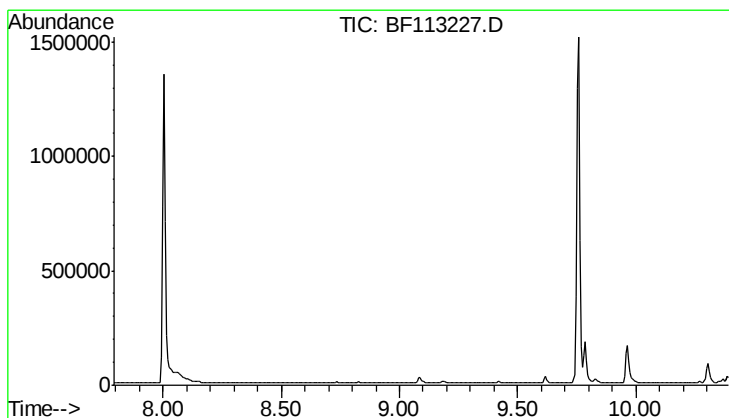
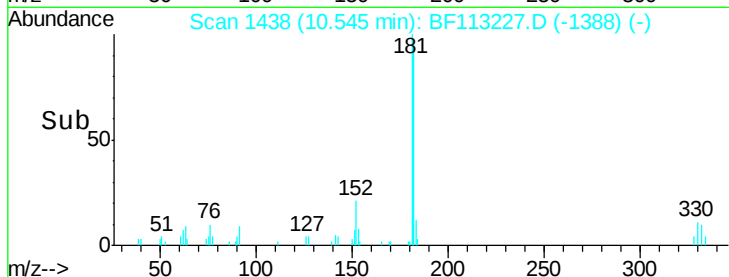
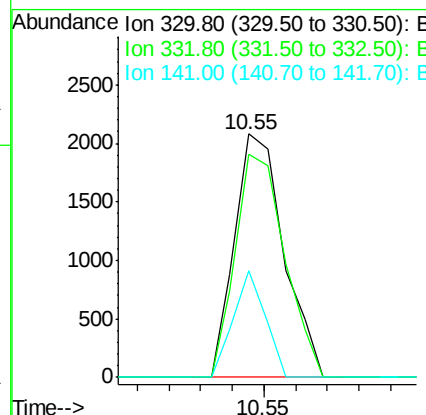
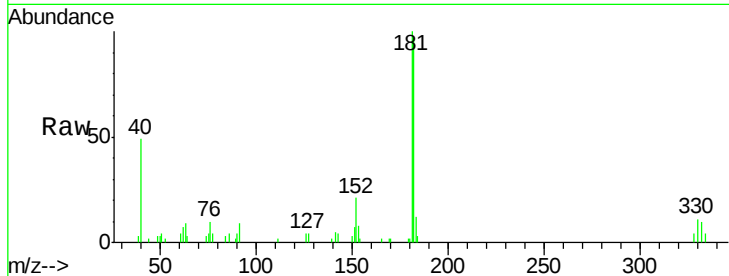
#42
 2,4,6-Tribromophenol
 Concen: 0.649 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113227.D
 Acq: 22 Mar 2019 00:58

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL2

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.4	76.2	114.4
141	28.3	27.0	40.6

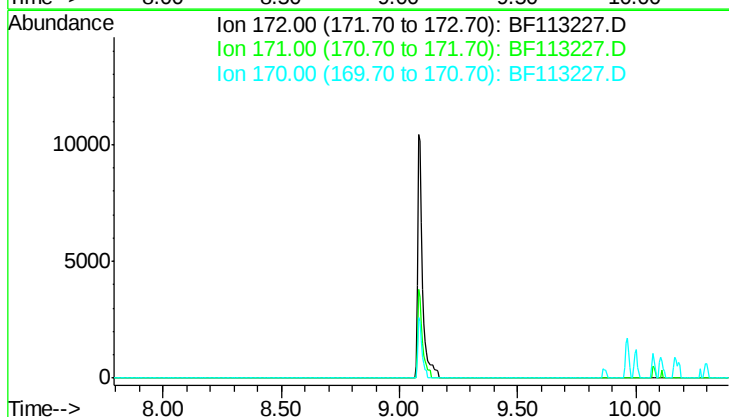
Manual Integrations
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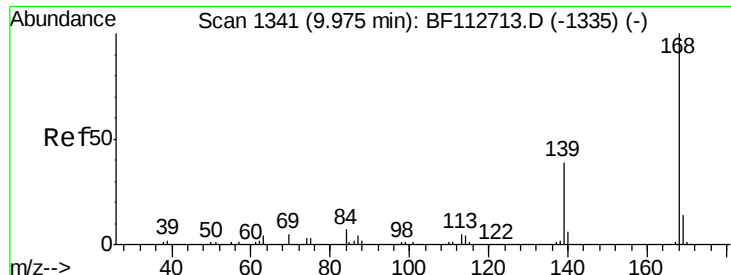
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#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.09 min
 Lab File: BF113227.D
 Acq: 22 Mar 2019 00:58

Tgt Ion	Sig	Exp Ratio
172	100	
171	36.2	
170	25.0	





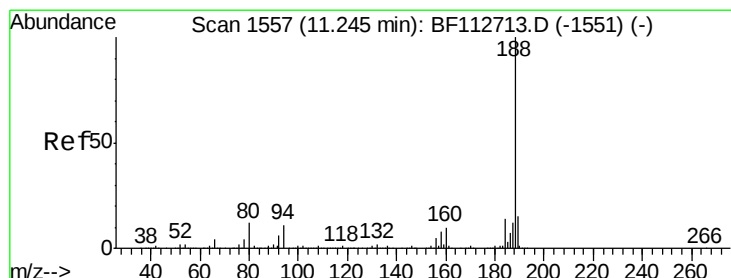
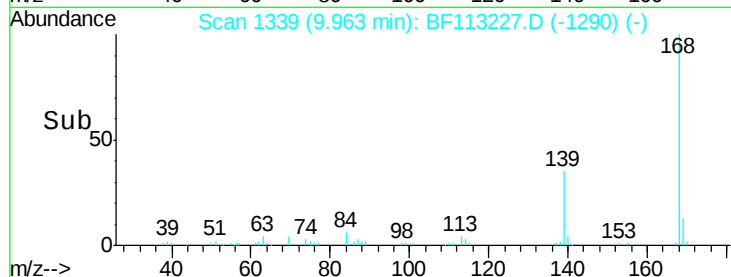
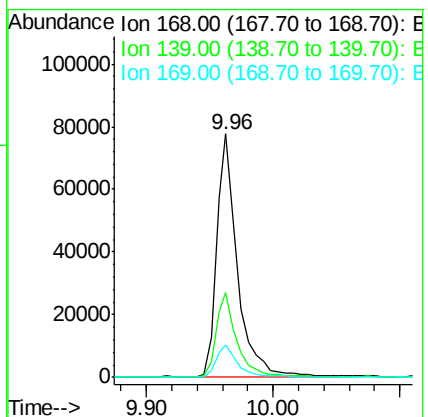
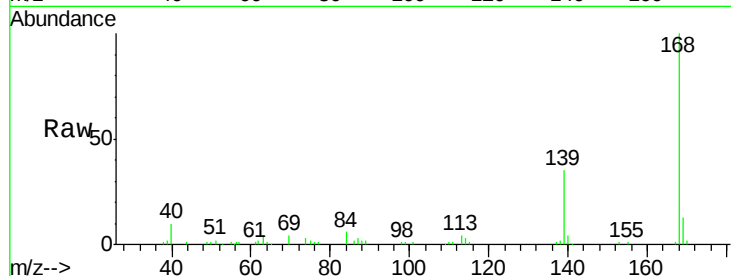
#55
Dibenzofuran
Concen: 3.019 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL2

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.0	31.3	46.9
169	13.3	11.3	16.9

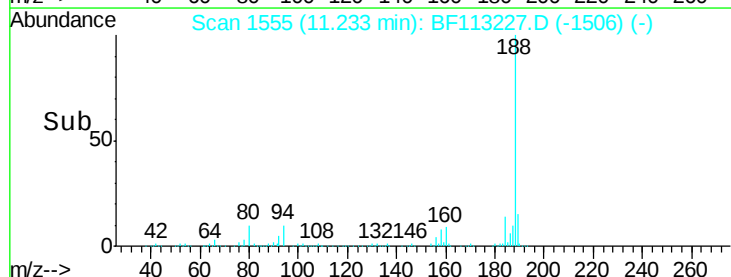
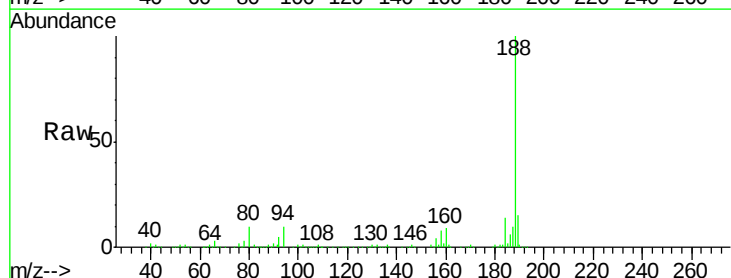
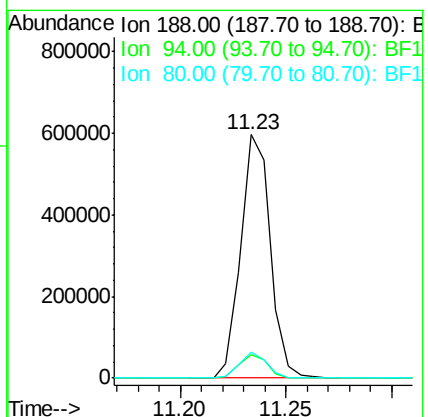
Manual Integrations
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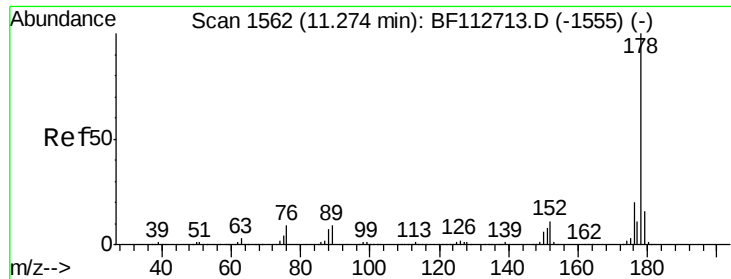
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.0	13.4
80	10.5	9.2	13.8





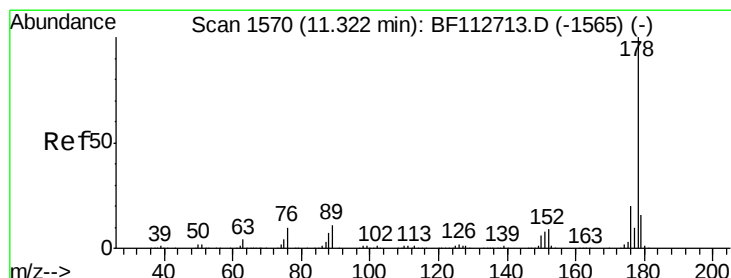
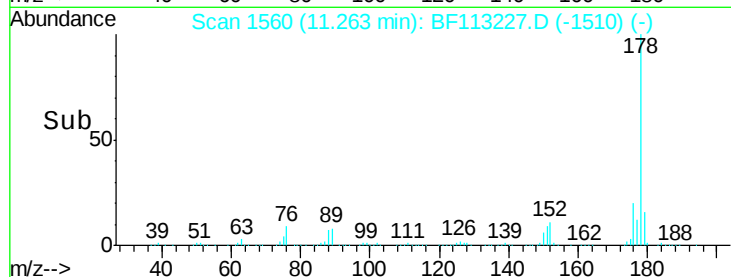
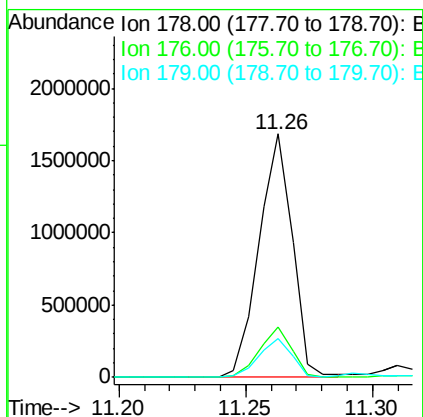
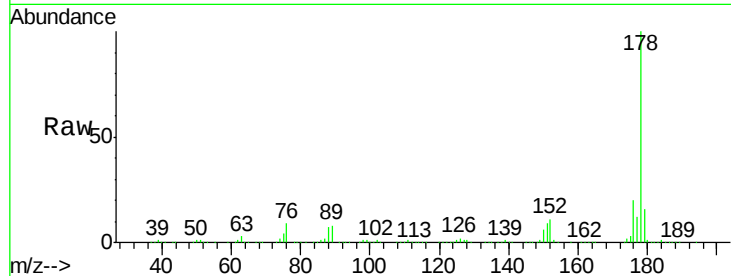
#71
Phenanthrene
Concen: 54.135 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL2

Tgt Ion:178 Resp: 1556635
Ion Ratio Lower Upper
178 100
176 20.4 16.3 24.5
179 16.2 12.7 19.1

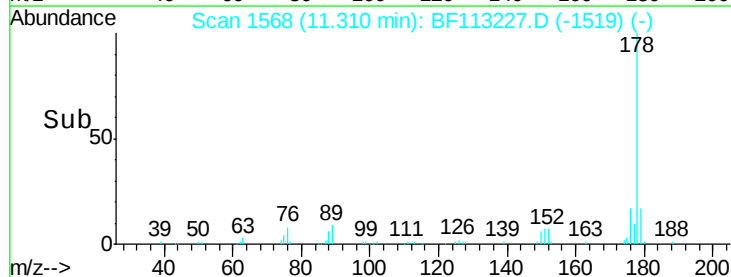
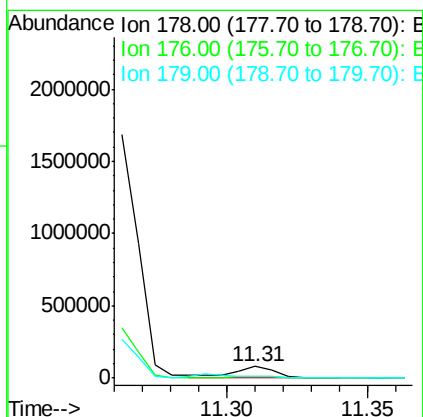
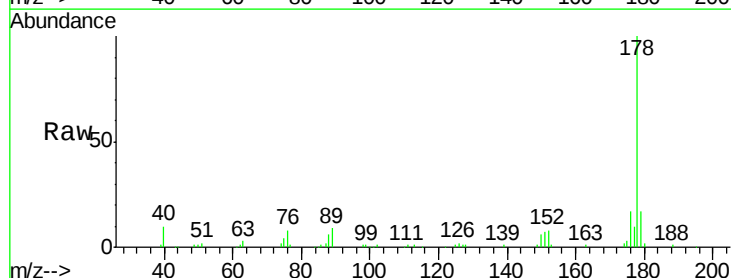
Manual Integrations
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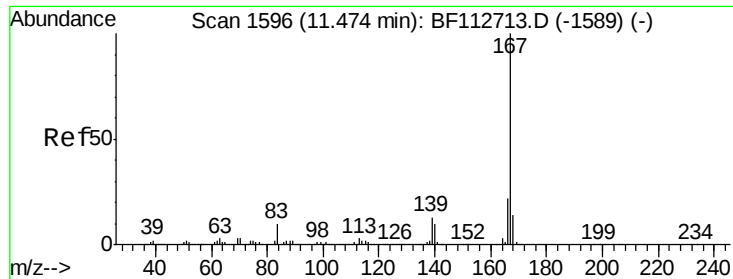
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#72
Anthracene
Concen: 2.637 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Tgt Ion:178 Resp: 79377
Ion Ratio Lower Upper
178 100
176 17.2 15.8 23.6
179 17.1 13.0 19.6





#73

Carbazole

Concen: 3.817 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Instrument :

BNA_F

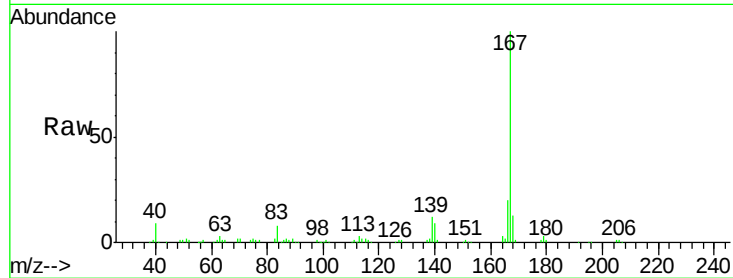
ClientSampleId :

PEDESTALS-1-11DL2

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.5	26.3
139	11.8	10.8	16.2

Manual Integrations
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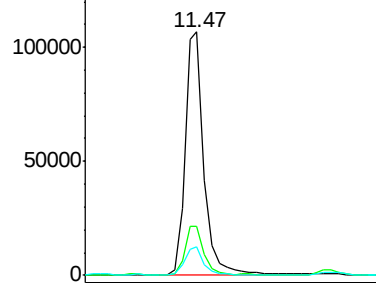
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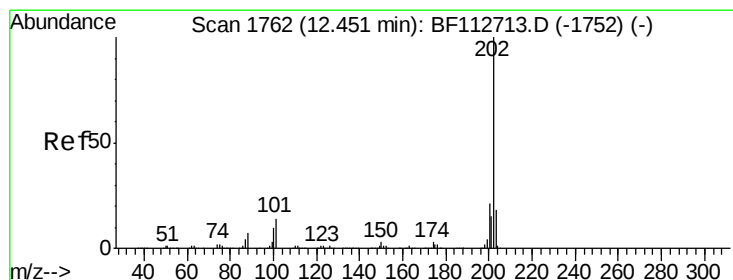
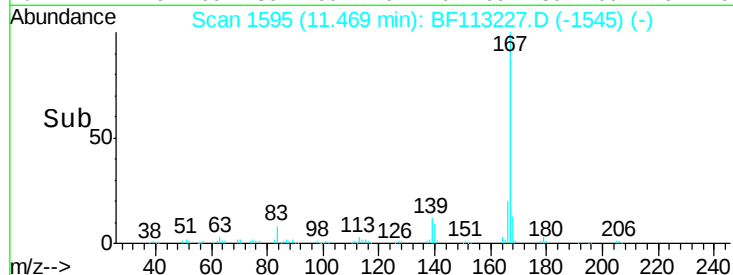
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#75

Fluoranthene

Concen: 55.576 ng

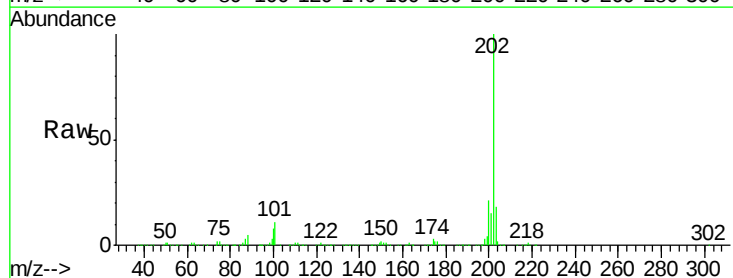
RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

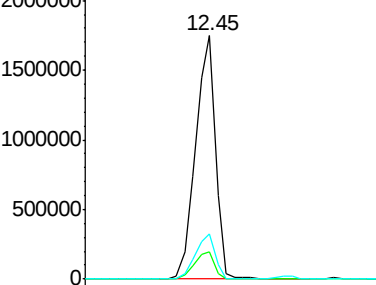
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.8
203	18.3	0.0	38.4



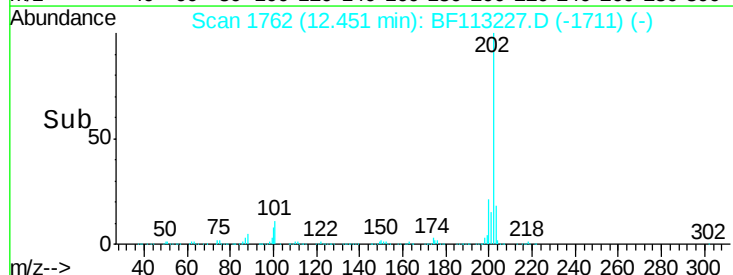
Abundance Ion 202.00 (201.70 to 202.70): E

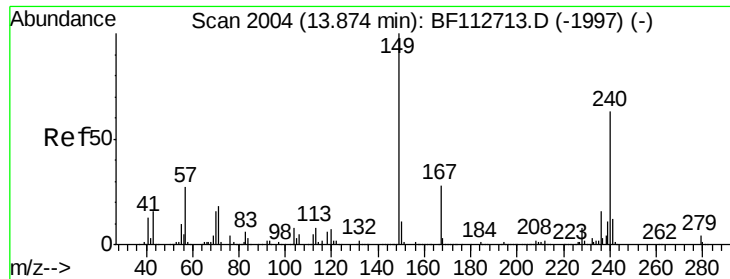
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Instrument :

BNA_F

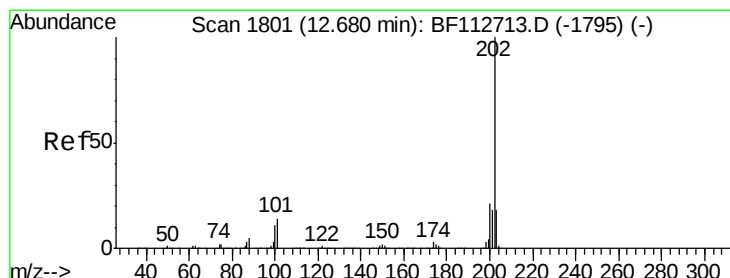
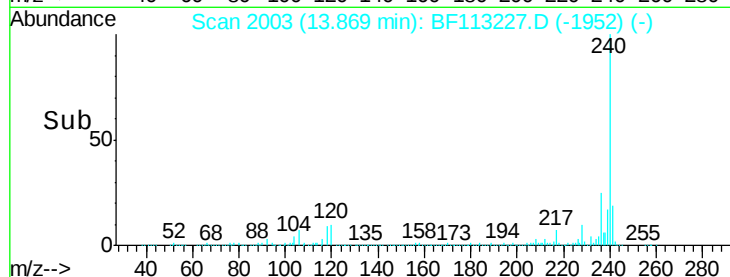
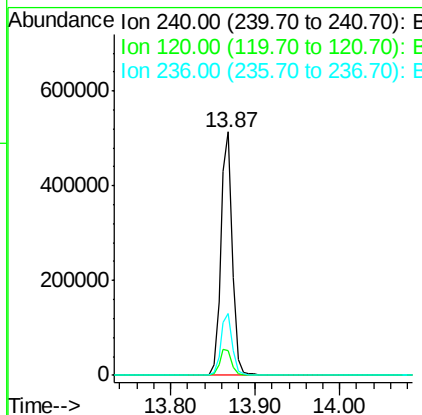
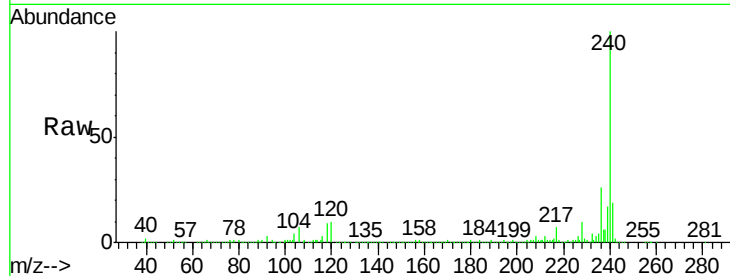
ClientSampleId :

PEDESTALS-1-11DL2

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.9	13.3
236	25.6	20.7	31.1

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#78

Pyrene

Concen: 31.274 ng

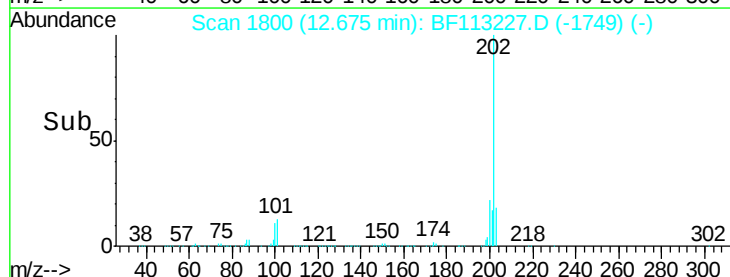
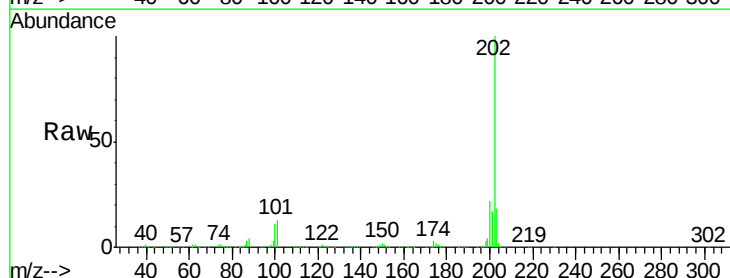
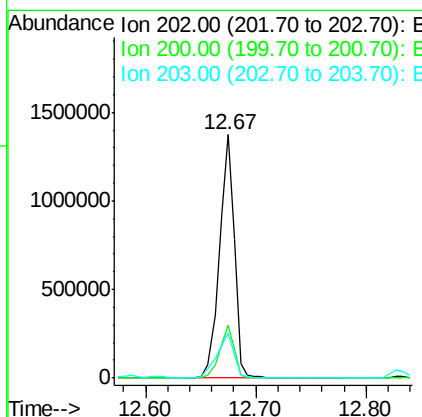
RT: 12.67 min Scan# 1800

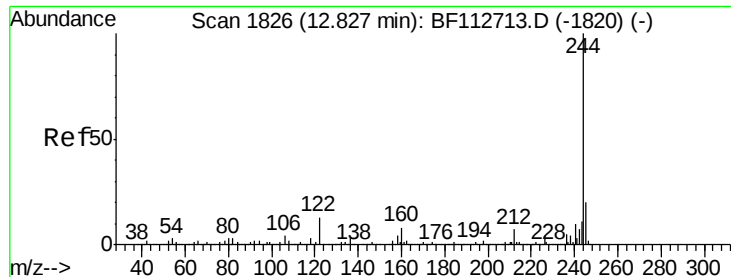
Delta R.T. 0.00 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	18.3	14.4	21.6





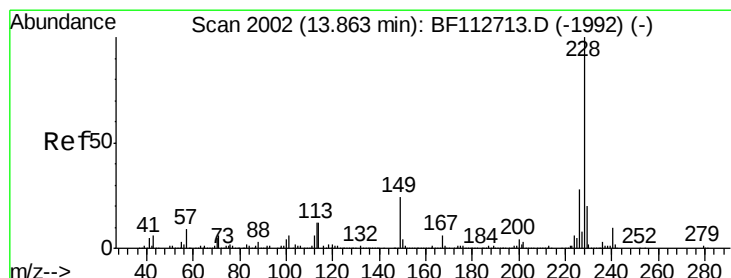
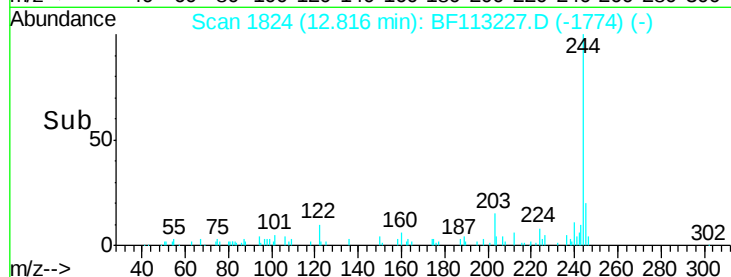
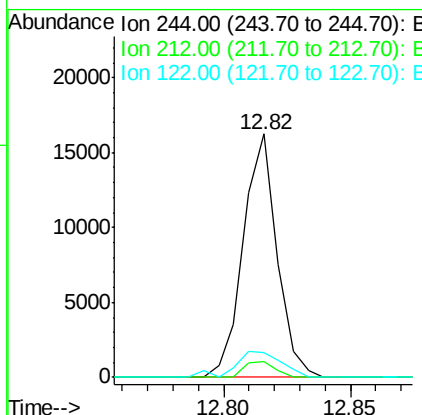
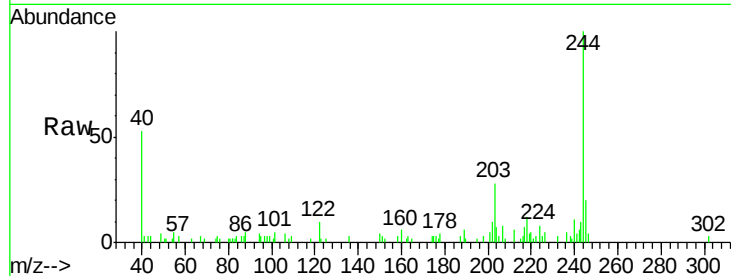
#79
 Terphenyl-d14
 Concen: 0.597 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113227.D
 Acq: 22 Mar 2019 00:58

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL2

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.2	10.5	15.7

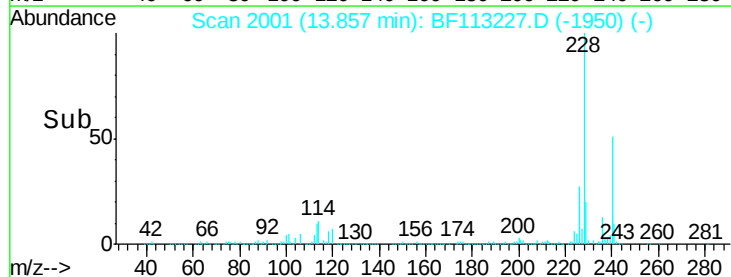
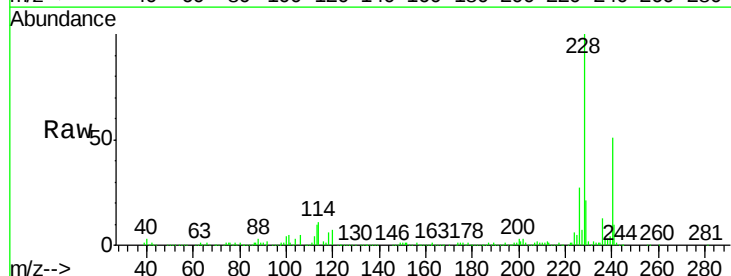
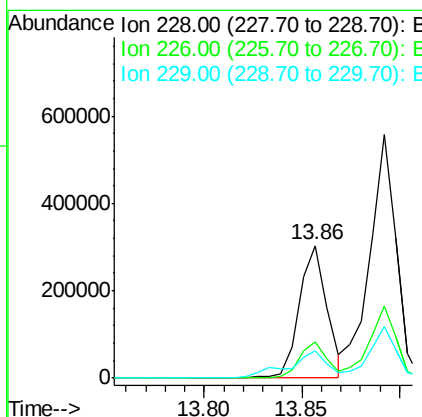
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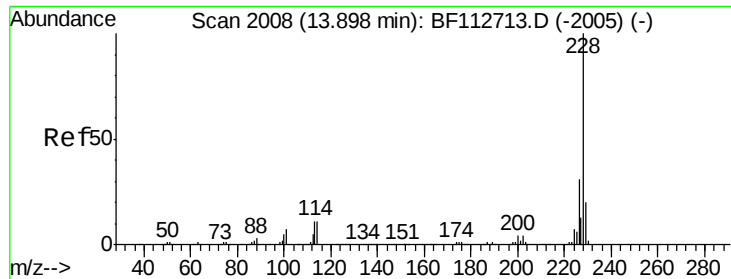
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#81
 Benzo(a)anthracene
 Concen: 8.830 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.00 min
 Lab File: BF113227.D
 Acq: 22 Mar 2019 00:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.4
229	20.5	16.0	24.0





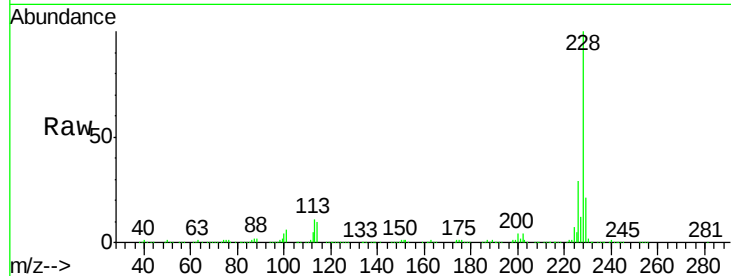
#83
Chrysene
Concen: 15.842 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL2

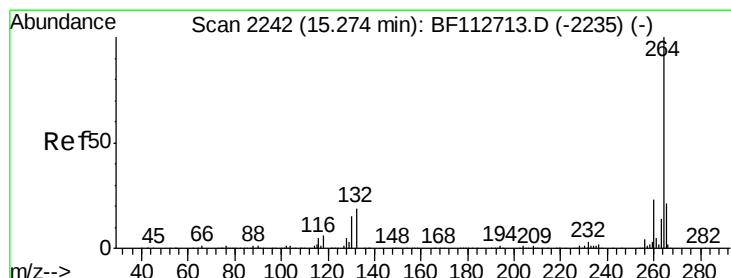
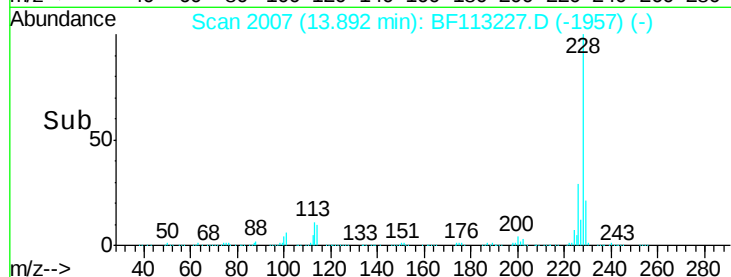
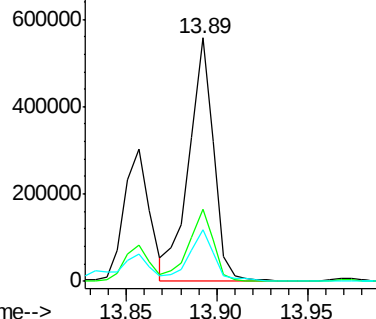
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	525950		
226	29.5	24.9	37.3	
229	21.4	16.3	24.5	

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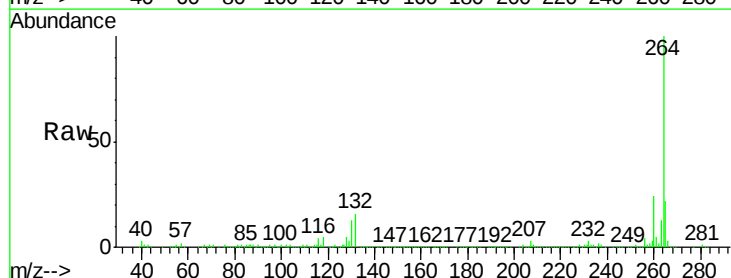


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

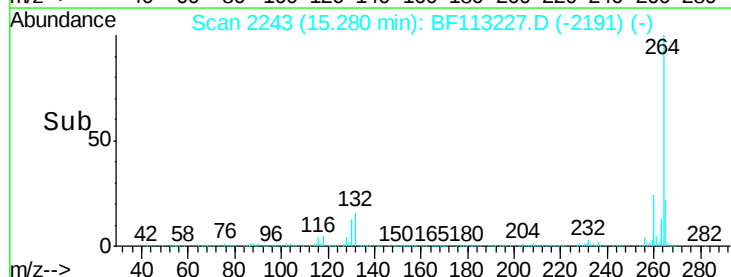
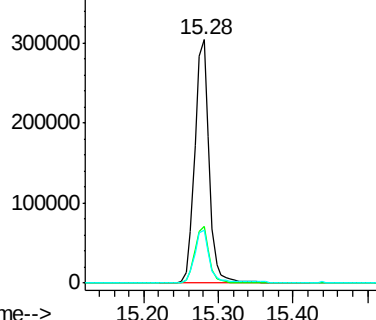


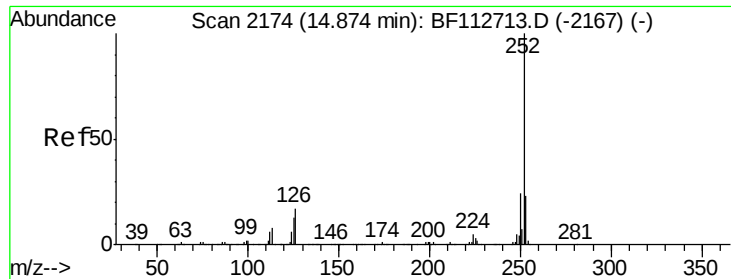
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	408076		
260	23.6	18.7	28.1	
265	21.5	17.2	25.8	



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





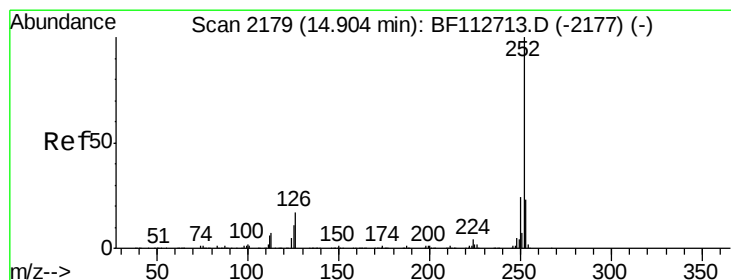
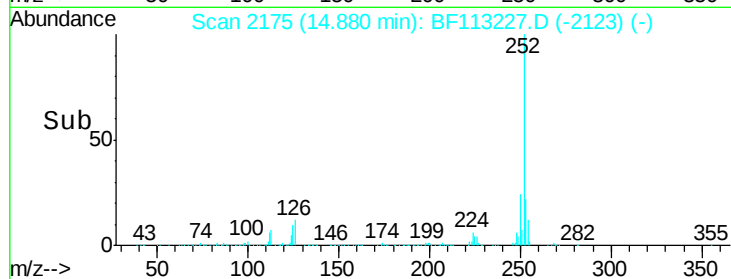
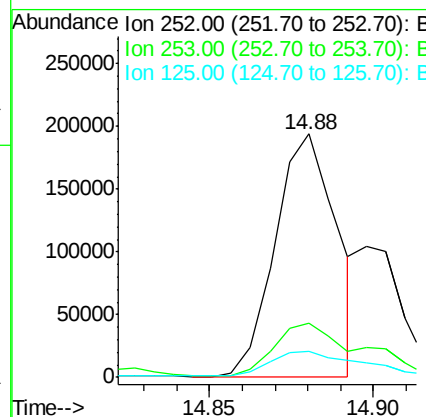
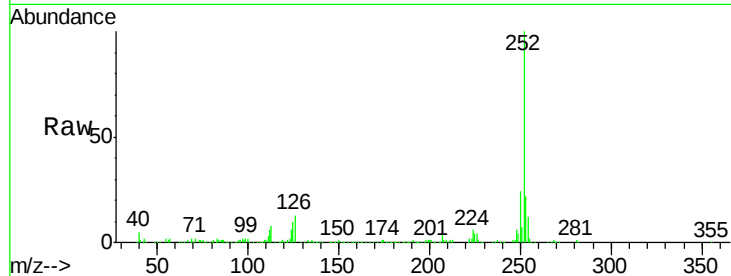
#88
Benzo(b)fluoranthene
Concen: 9.596 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL2

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	253292		
253	22.3	18.0	27.0	
125	10.4	10.2	15.2	

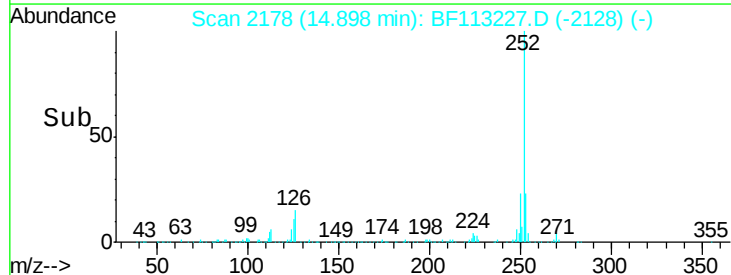
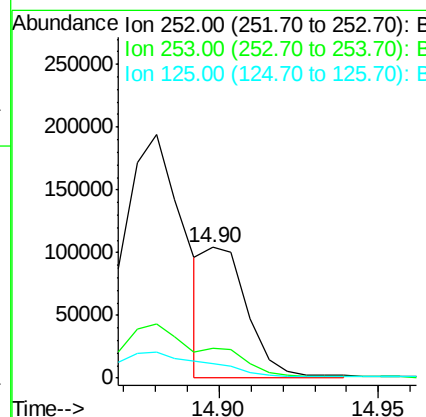
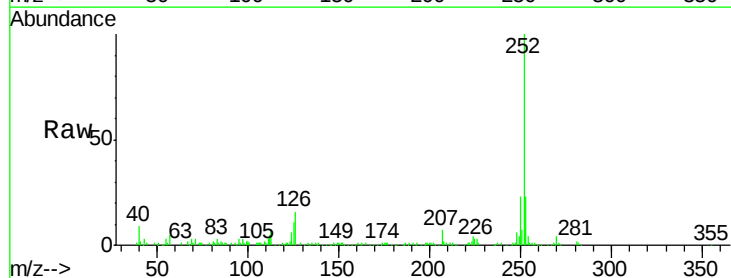
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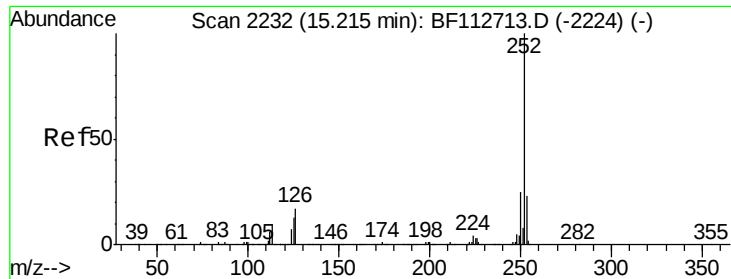
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#89
Benzo(k)fluoranthene
Concen: 4.133 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	98811		
253	23.3	18.2	27.2	
125	11.2	9.8	14.6	





#90

Benzo(a)pyrene

Concen: 2.894 ng

RT: 15.22 min Scan# 2232

Delta R.T. 0.00 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Instrument :

BNA_F

ClientSampleId :

PEDESTALS-1-11DL2

Tgt Ion:	252	Resp:	67576
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.0	27.0
125	13.7	10.7	16.1

Manual Integrations
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