

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102654.D
 Acq On : 30 Jan 2018 21:57
 Operator : SJ/JU
 Sample : J1361-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONE

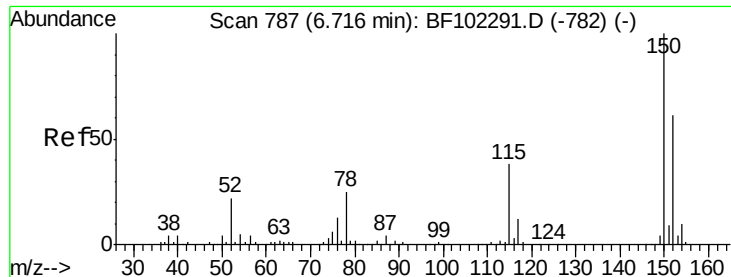
Manual Integrations
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Sohil
 1/31/2018 2:00:30 PM

Quant Time: Jan 31 03:17:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	156853	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	653994	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	271974	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	406957	20.00	ng	0.00
75) Chrysene-d12	13.88	240	300669	20.00	ng	0.00
86) Perylene-d12	15.31	264	253678	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	245744	23.76	ng	0.00
7) Phenol-d6	6.36	99	308124	24.71	ng	0.00
23) Nitrobenzene-d5	7.28	82	173681	15.26	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	38419	14.26	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	329889	17.83	ng	0.00
78) Terphenyl-d14	12.82	244	214428	16.08	ng	0.00
Target Compounds						
70) Phenanthrene	11.26	178	112617	4.749	ng	Qvalue 98
74) Fluoranthene	12.45	202	182119	7.531	ng	96
77) Pyrene	12.67	202	179391	7.717	ng	99
80) Benzo(a)anthracene	13.87	228	127455	6.885	ng	97
82) Chrysene	13.90	228	136943	7.285	ng	97
85) Indeno(1,2,3-cd)pyrene	16.72	276	90804	5.849	ng	95
87) Benzo(b)fluoranthene	14.90	252	208426m	12.676	ng	
88) Benzo(k)fluoranthene	14.92	252	76310m	4.912	ng	
89) Benzo(a)pyrene	15.25	252	166324	11.216	ng	# 94
90) Dibenzo(a,h)anthracene	16.72	278	25518	2.124	ng	# 72
91) Benzo(g,h,i)perylene	17.14	276	91064	7.678	ng	93

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



#1

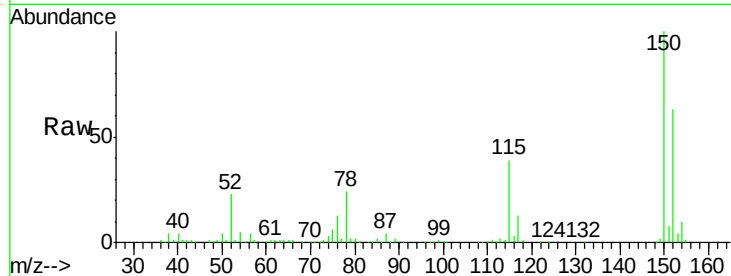
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Instrument :
BNA_F
ClientSampleId :
OILY-STONE

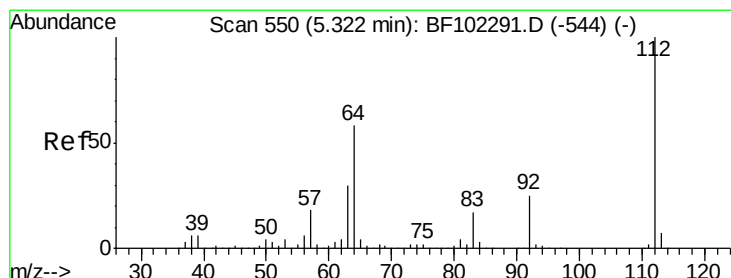
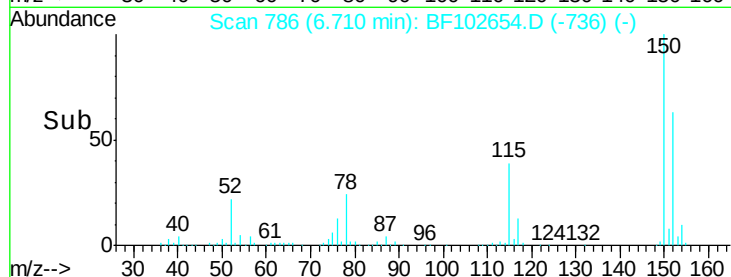
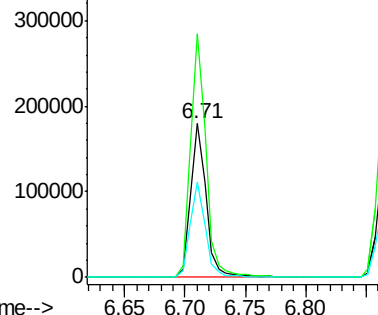
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	61.8	50.1	75.1

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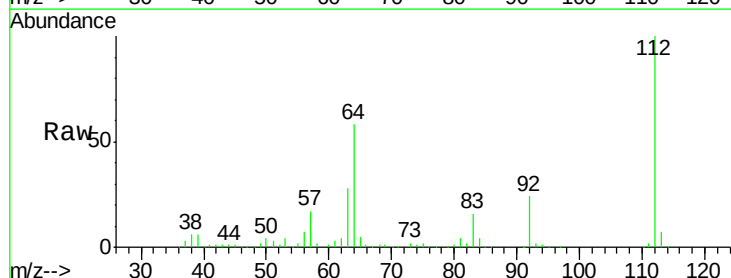
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



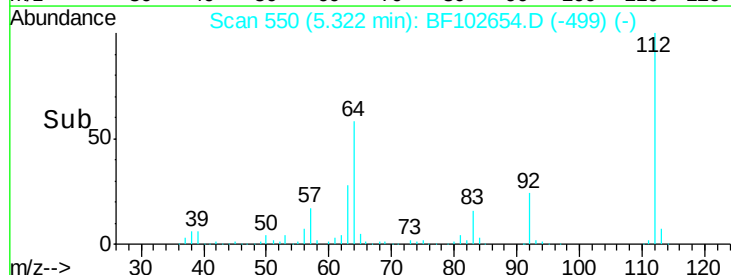
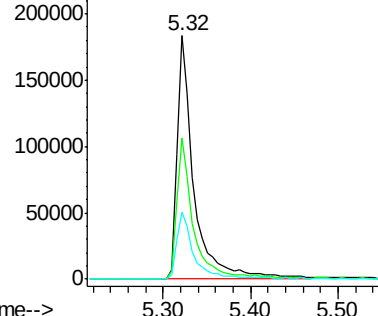
#5

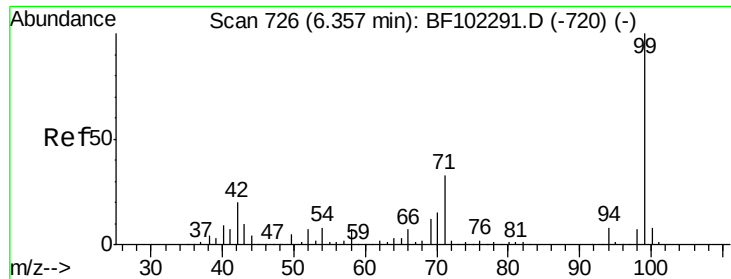
2-Fluorophenol
Concen: 23.755 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.9	71.9
63	27.7	23.7	35.5



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: 24.706 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Instrument :

BNA_F

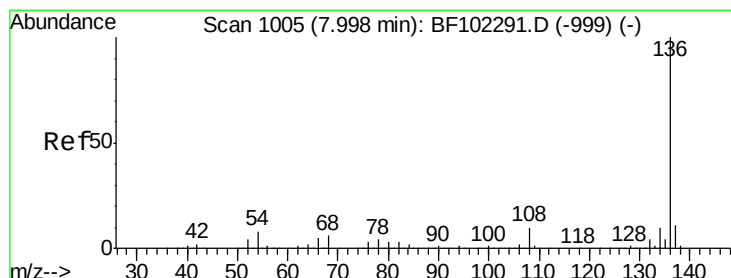
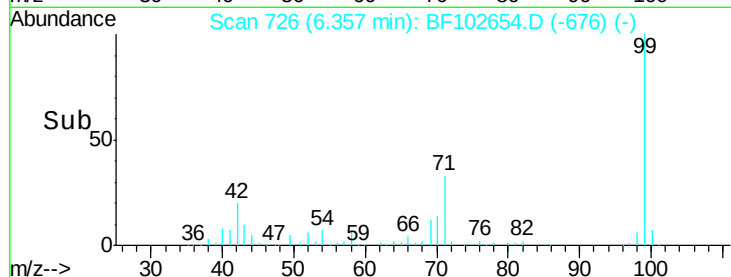
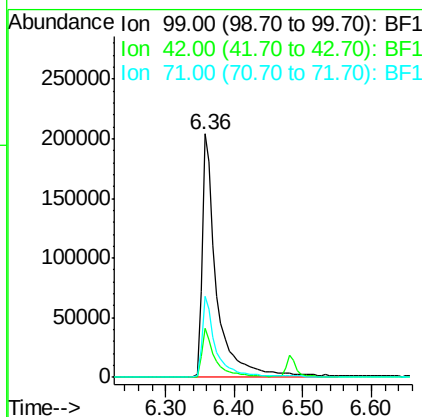
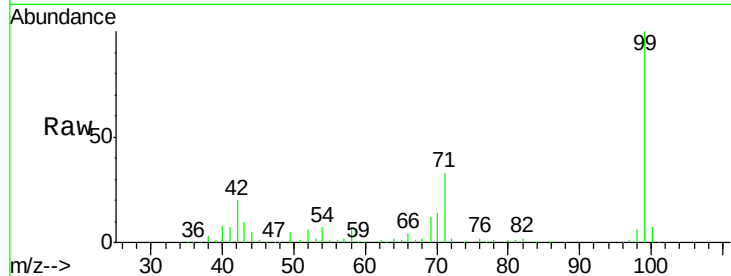
ClientSampled :

OILY-STONE

Tot Ion:	99	Resp:	308124
Ion Ratio	Lower	Upper	
99	100		
42	20.2	14.5	21.7
71	33.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

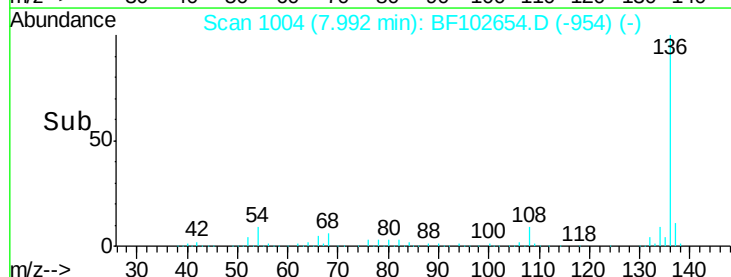
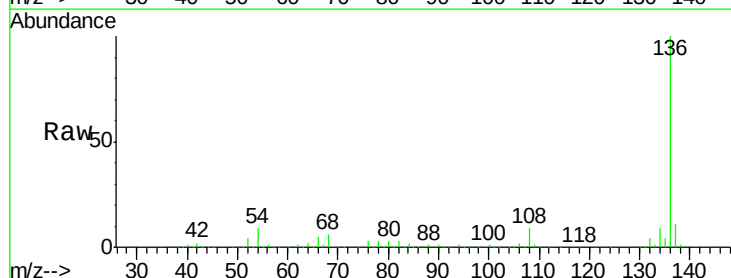
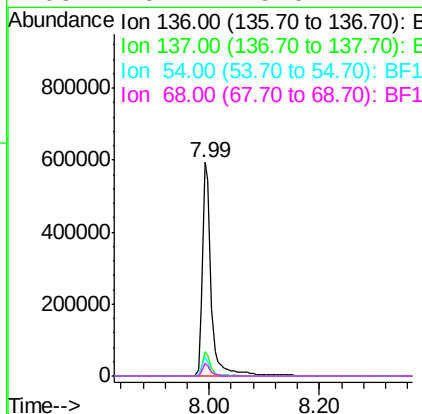
RT: 7.99 min Scan# 1004

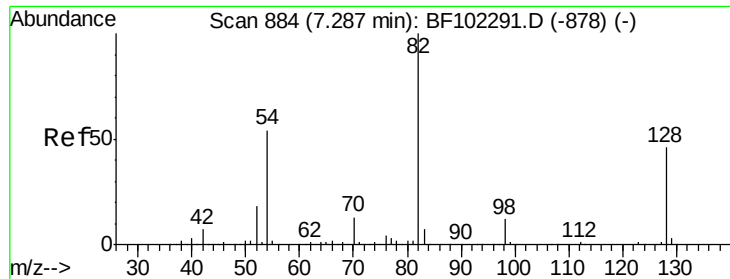
Delta R.T. -0.01 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Tgt Ion:	136	Resp:	653994
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.9	6.6	9.8
68	6.1	5.0	7.4





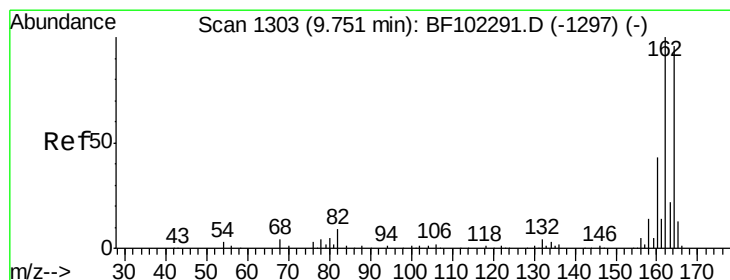
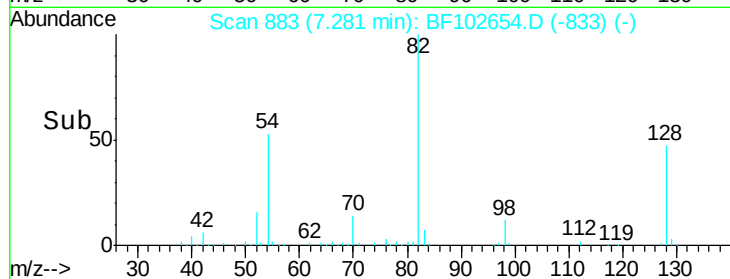
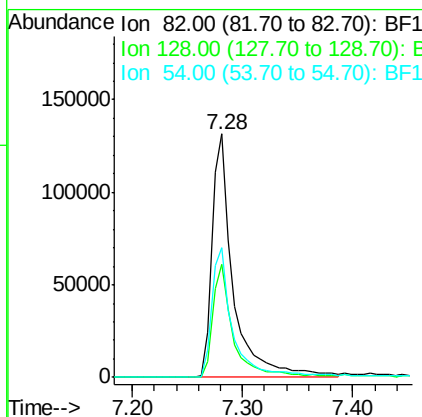
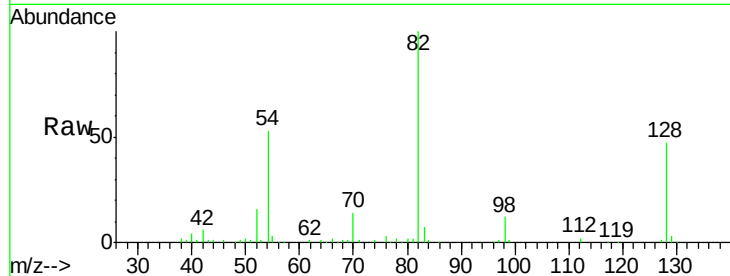
#23
 Nitrobenzene-d5
 Concen: 15.261 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102654.D
 Acq: 30 Jan 2018 21:57

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONE

Tot Ion	82	Resp	173681
Ion Ratio	100	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	53.1	41.4	62.2

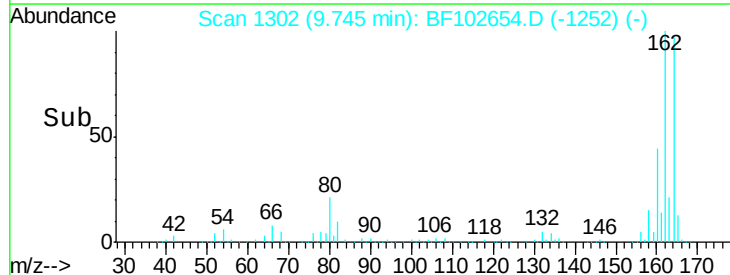
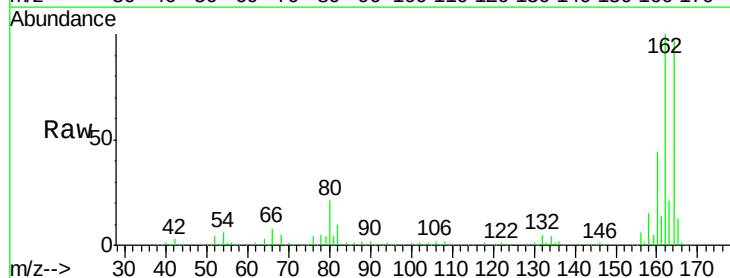
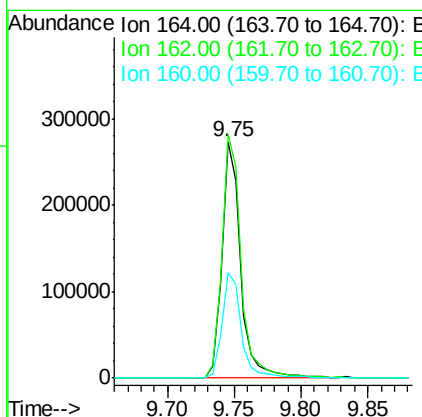
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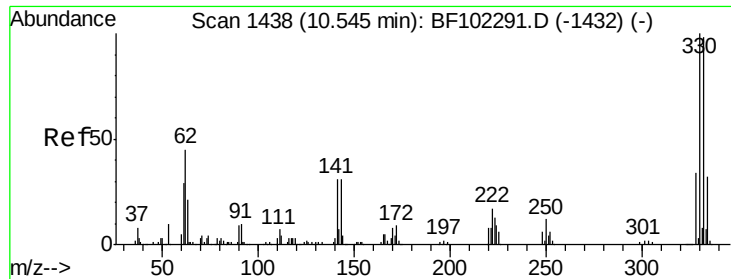
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102654.D
 Acq: 30 Jan 2018 21:57

Tgt Ion	164	Resp	271974
Ion Ratio	100	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	44.9	38.3	57.5





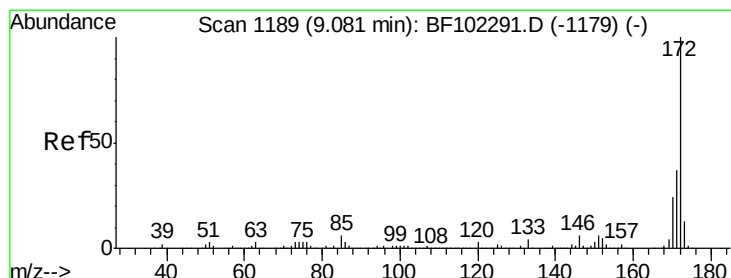
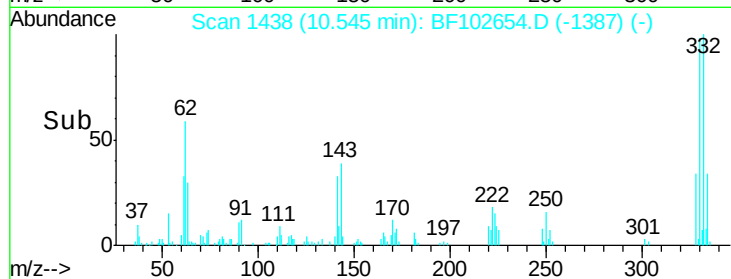
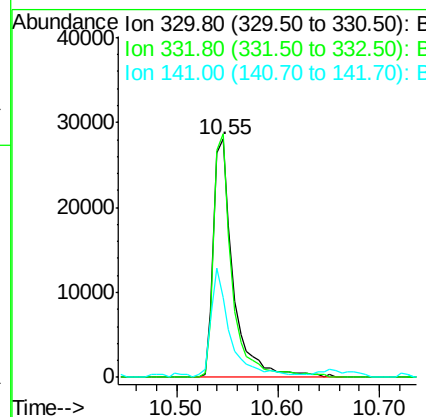
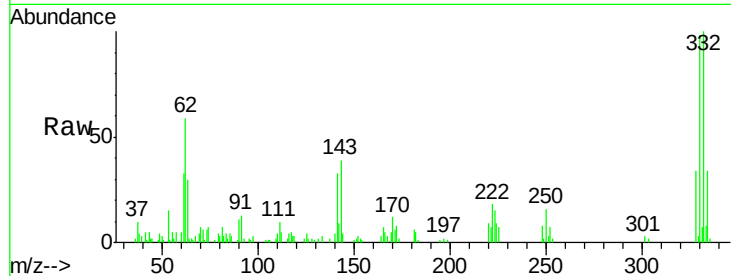
#41
 2,4,6-Tribromophenol
 Concen: 14.256 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102654.D
 Acq: 30 Jan 2018 21:57

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	38419		
332	95.0	77.0	115.6	
141	44.6	29.9	44.9	

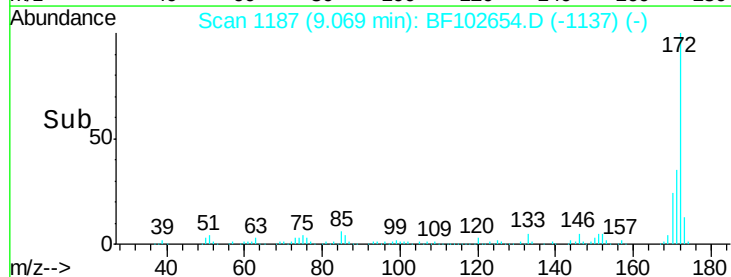
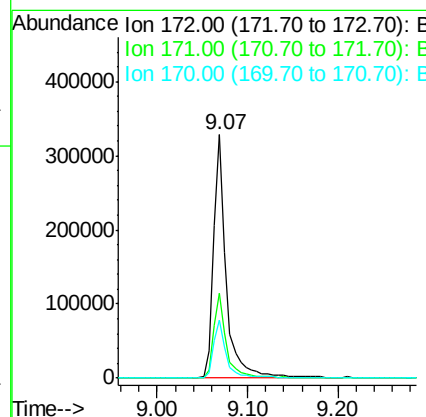
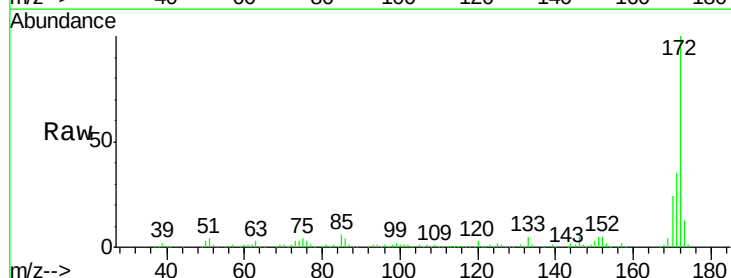
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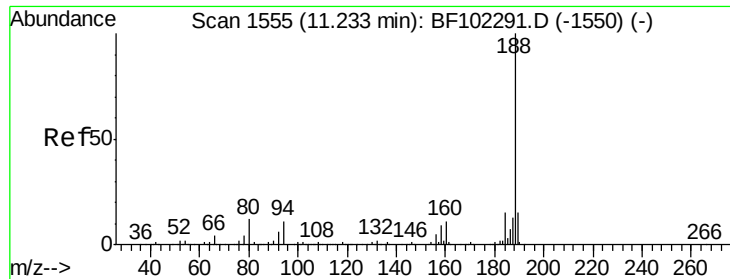
Sohil
 1/31/2018 2:00:30 PM



#44
 2-Fluorobiphenyl
 Concen: 17.835 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102654.D
 Acq: 30 Jan 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	329889		
171	35.0	29.7	44.5	
170	23.8	19.6	29.4	





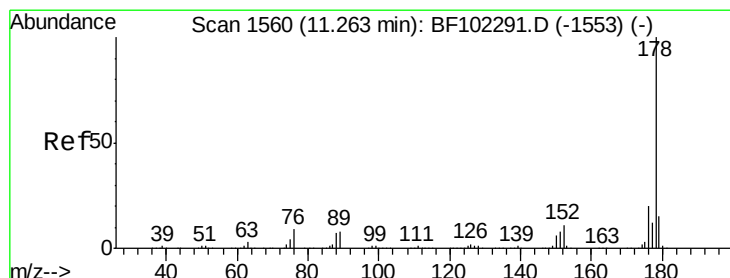
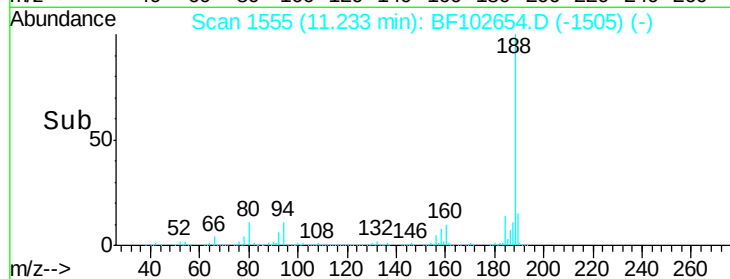
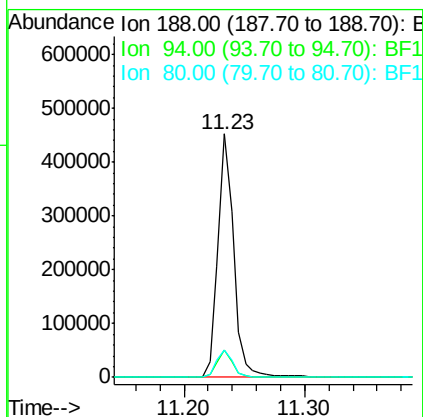
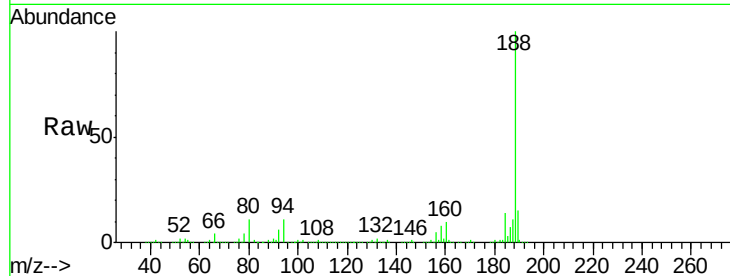
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Instrument :
BNA_F
ClientSampleId :
OILY-STONE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	406957		
94	11.0		8.5	12.7
80	11.3		9.2	13.8

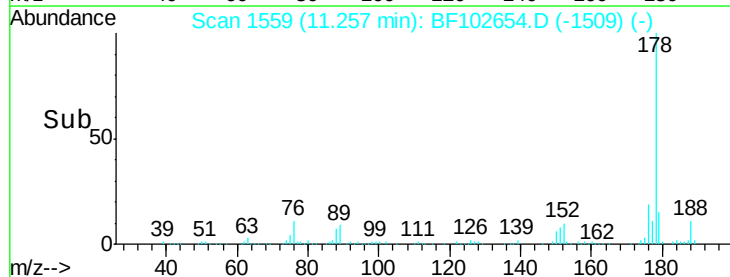
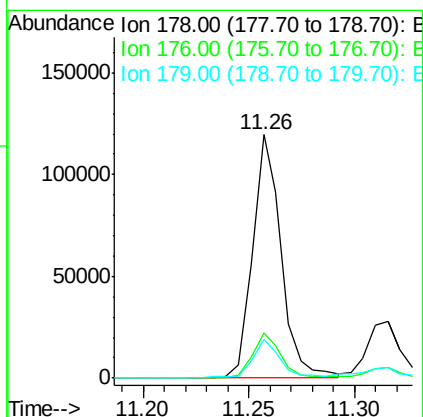
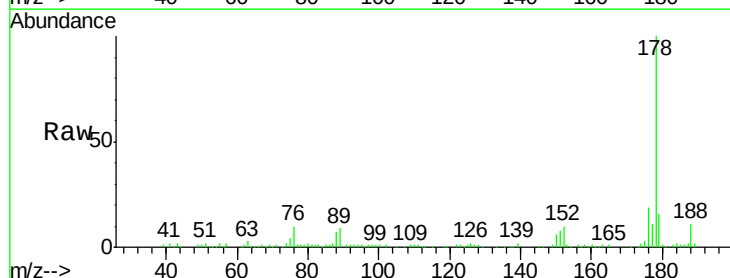
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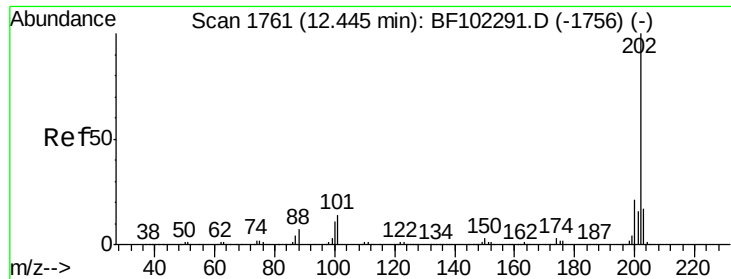
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#70
Phenanthrene
Concen: 4.749 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	112617		
176	18.6		15.8	23.8
179	15.7		13.0	19.6





#74

Fluoranthene

Concen: 7.531 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Instrument :

BNA_F

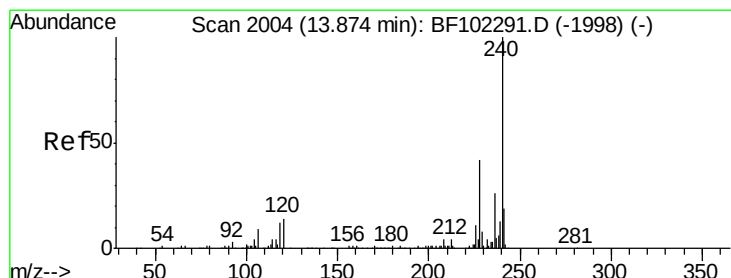
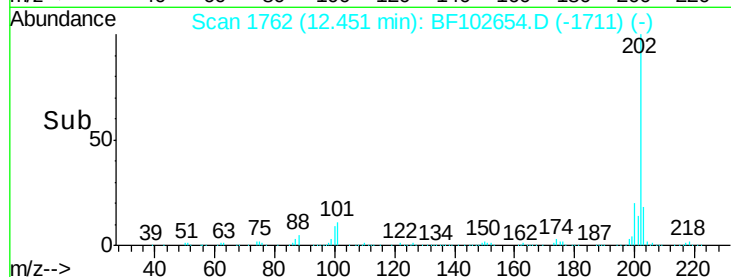
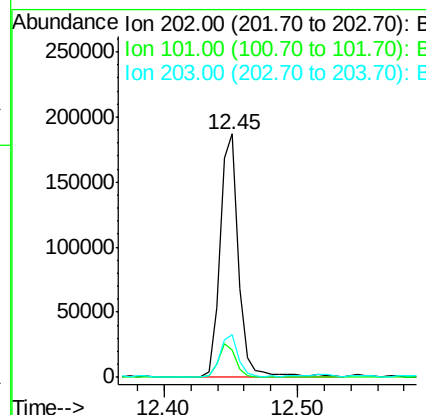
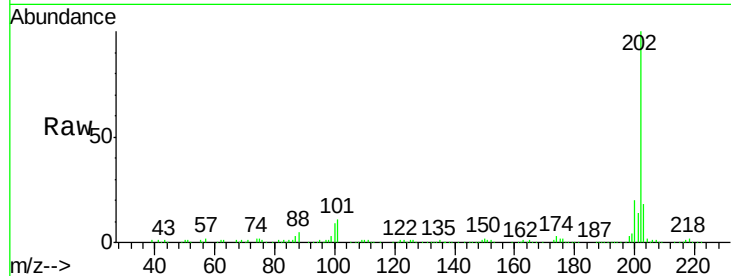
ClientSampleId :

OILY-STONE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

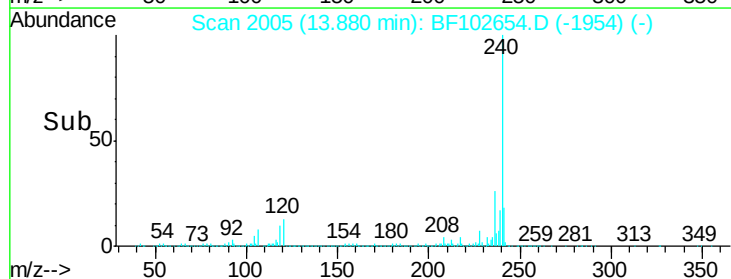
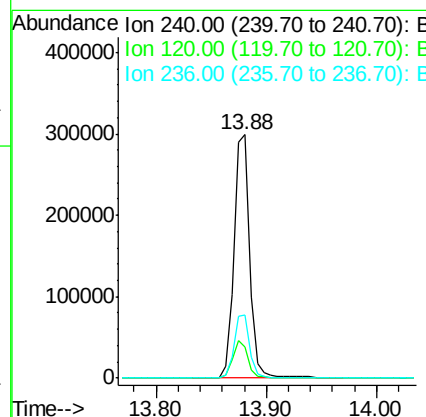
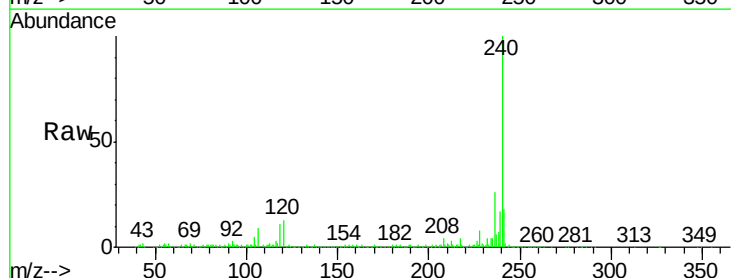
RT: 13.88 min Scan# 2005

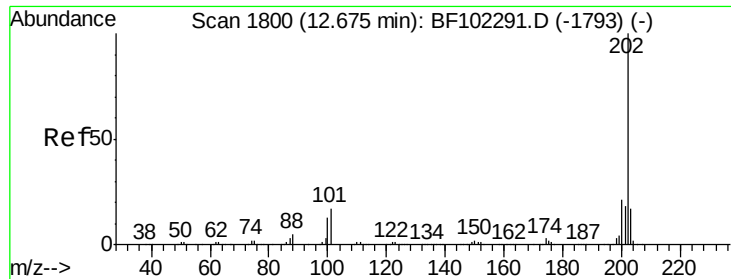
Delta R.T. 0.00 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.8	9.5	14.3
236	26.0	20.7	31.1





#77

Pvrene

Concen: 7.717 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Instrument :

BNA_F

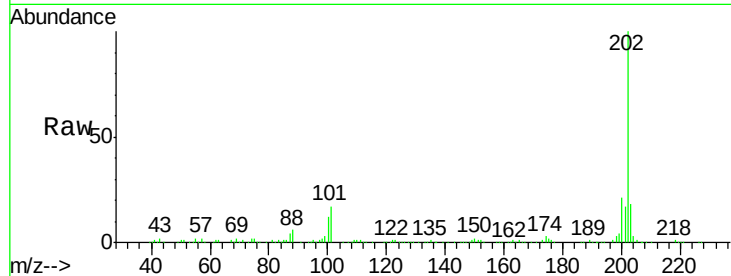
ClientSampleId :

OILY-STONE

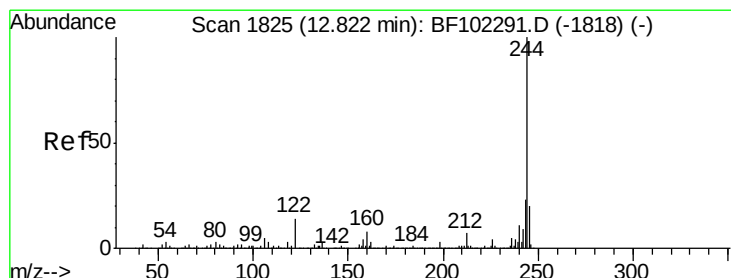
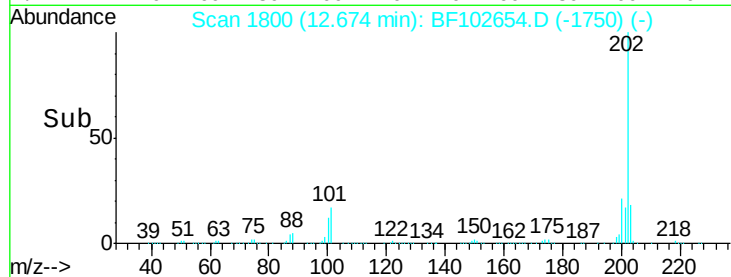
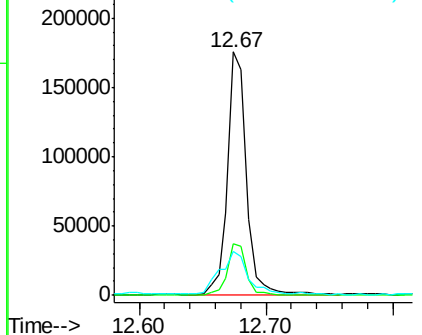
Tot Ion:	202	Resp:	179391
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.4	26.2
203	18.1	14.3	21.5

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1/31/2018 2:00:30 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 16.077 ng

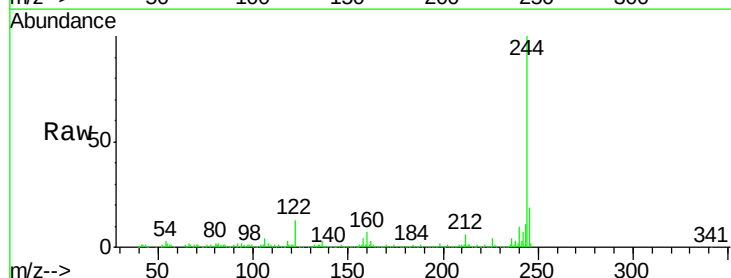
RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

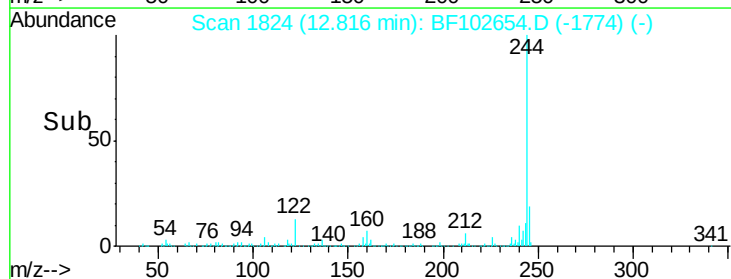
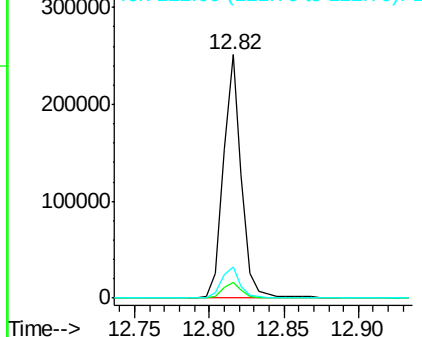
Lab File: BF102654.D

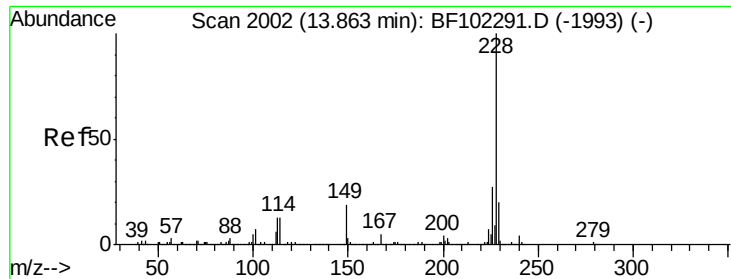
Acq: 30 Jan 2018 21:57

Tgt Ion:	244	Resp:	214428
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.4	8.0
122	13.0	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





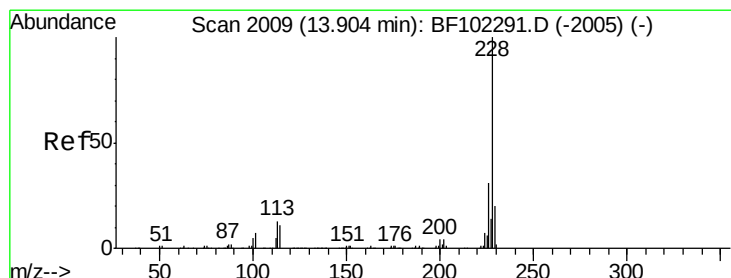
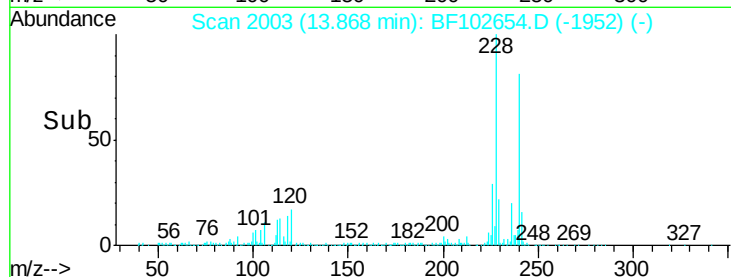
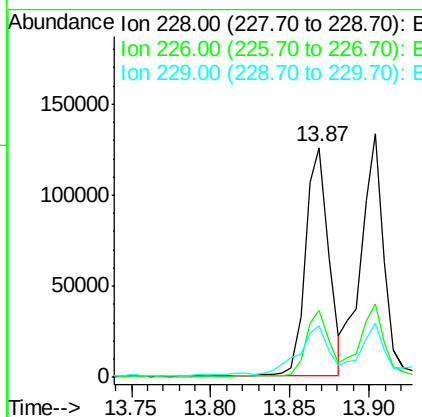
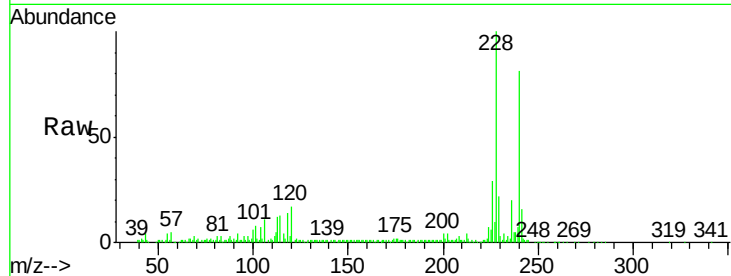
#80
Benzo(a)anthracene
Concen: 6.885 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Instrument :
BNA_F
ClientSampleId :
OILY-STONE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	22.4	15.8	23.6

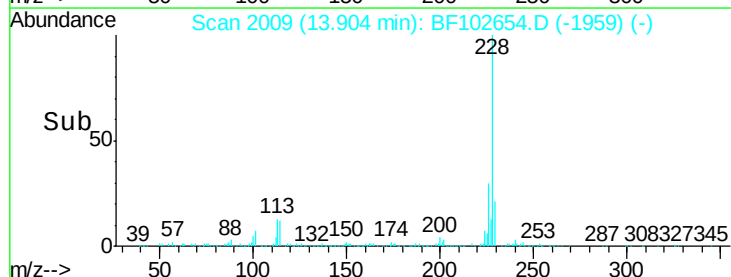
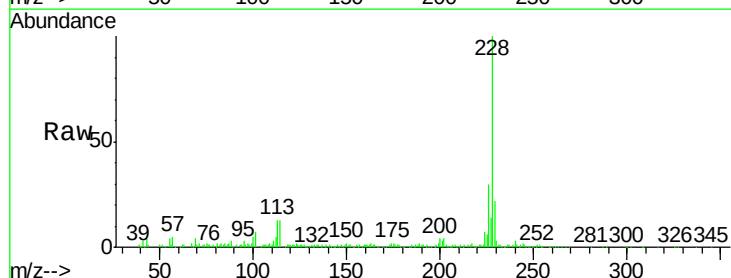
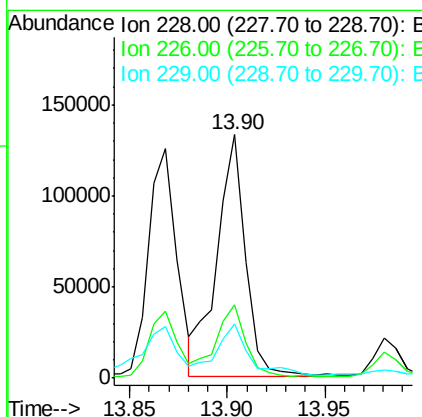
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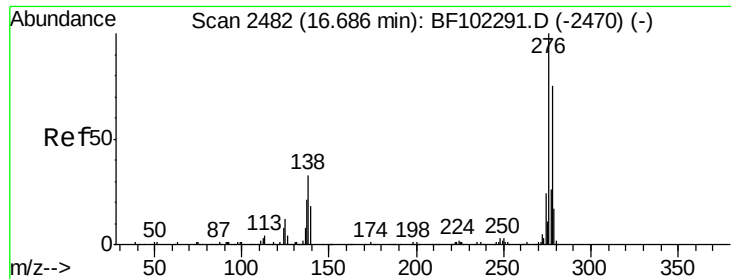
Sohil
1/31/2018 2:00:30 PM



#82
Chrysene
Concen: 7.285 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.0	16.2	24.4





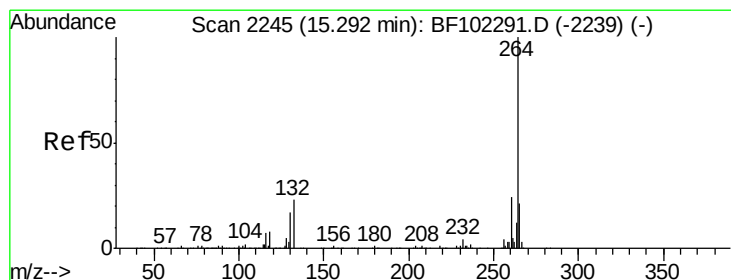
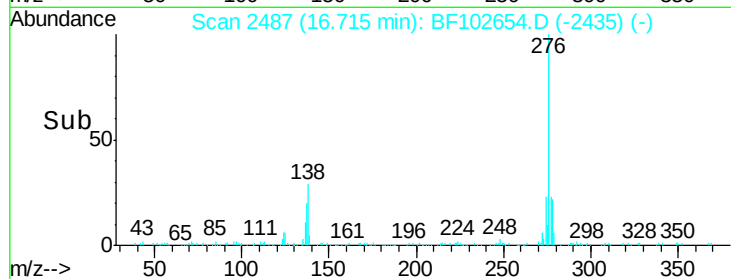
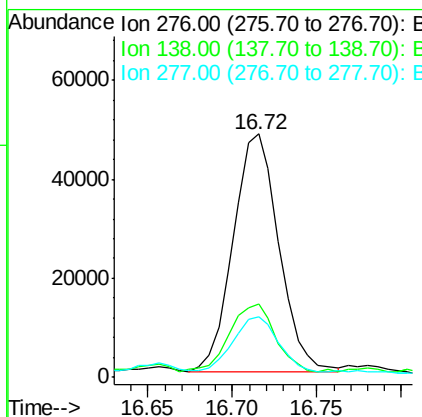
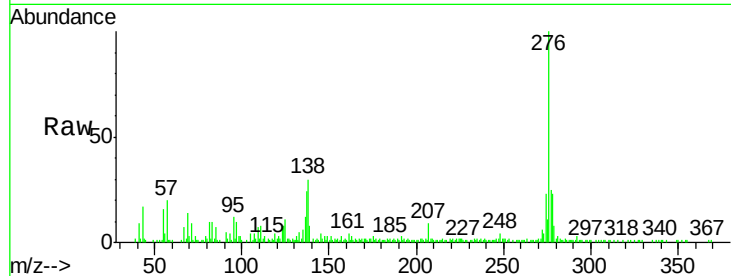
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.849 ng
 RT: 16.72 min Scan# 2487
 Delta R.T. 0.01 min
 Lab File: BF102654.D
 Acq: 30 Jan 2018 21:57

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONE

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	25.0	37.6
277	22.6	20.1	30.1

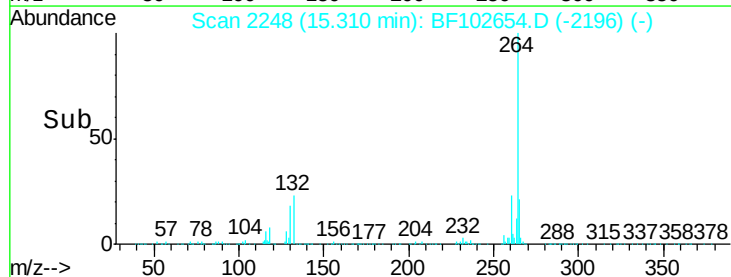
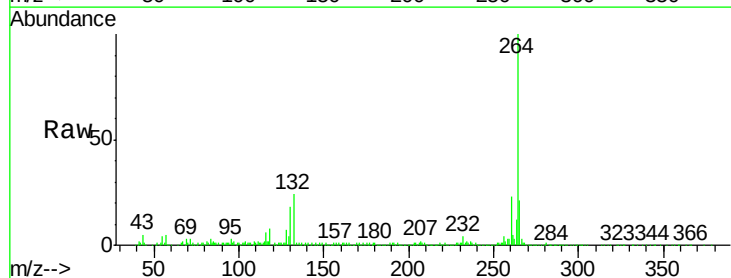
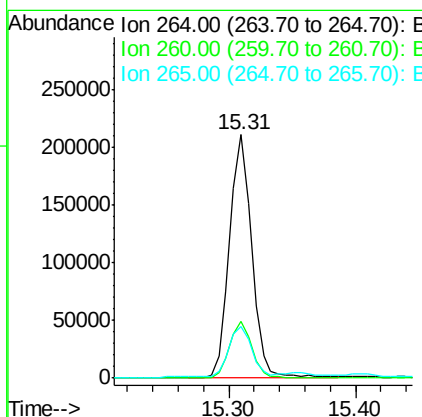
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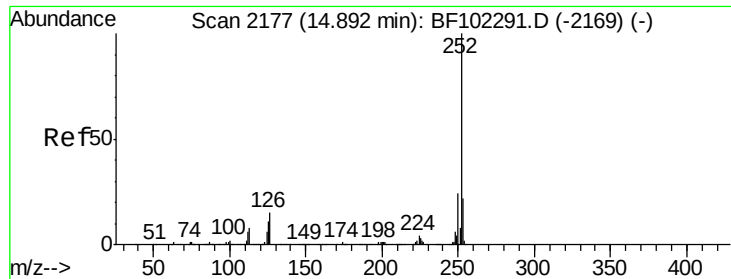
Sohil
 1/31/2018 2:00:30 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. 0.01 min
 Lab File: BF102654.D
 Acq: 30 Jan 2018 21:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.2	17.5	26.3





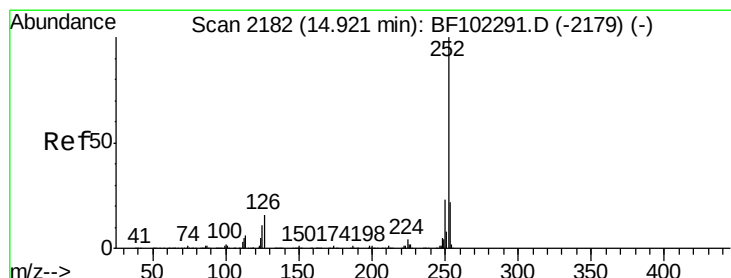
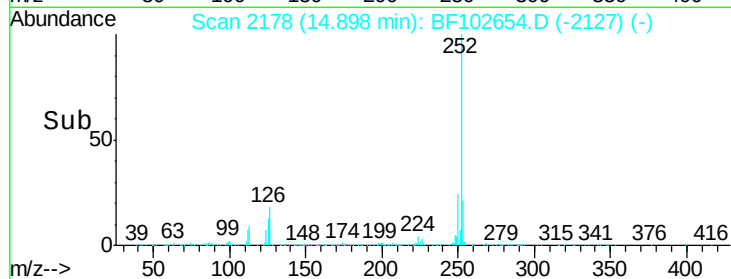
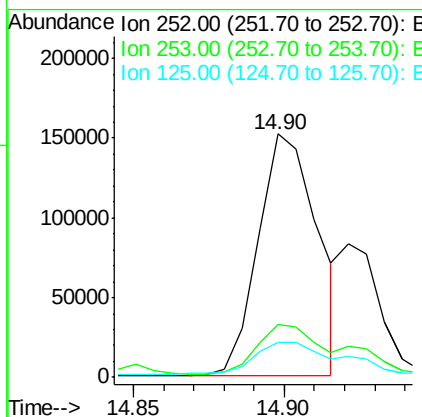
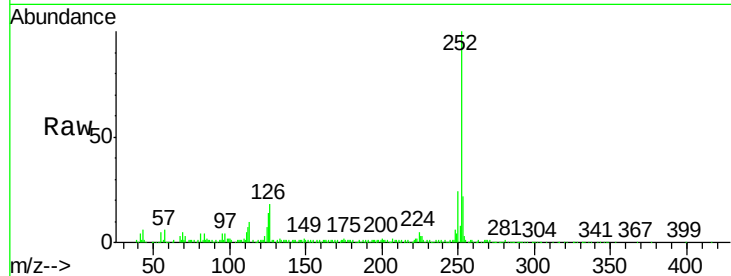
#87
Benzo(b)fluoranthene
Concen: 12.676 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Instrument :
BNA_F
ClientSampleId :
OILY-STONE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	14.2	9.0	13.6#

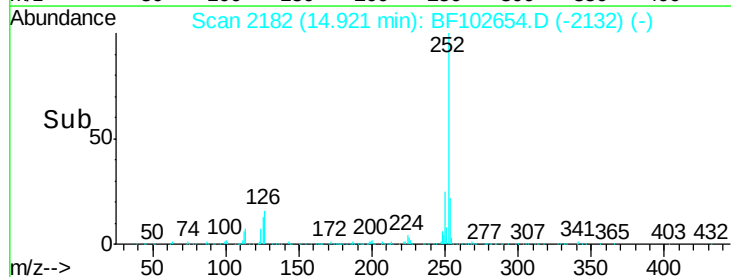
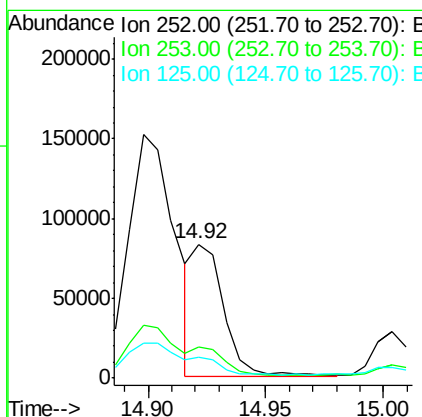
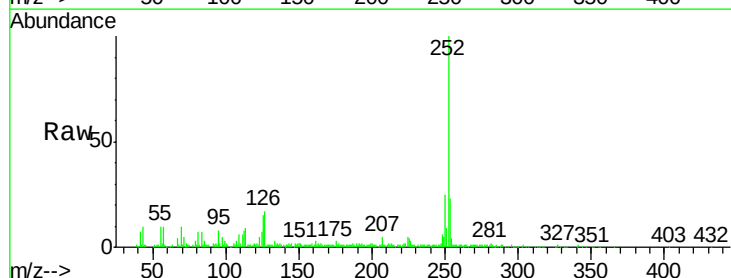
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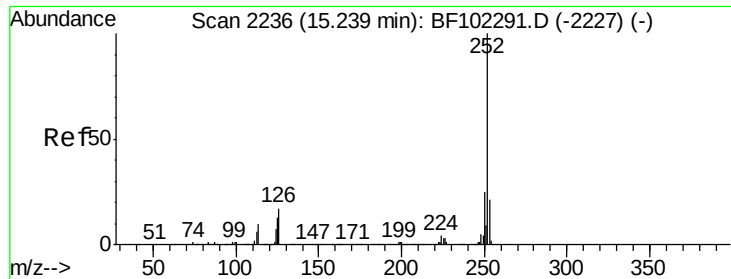
Sohil
1/31/2018 2:00:30 PM



#88
Benzo(k)fluoranthene
Concen: 4.912 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	15.5	10.2	15.2#





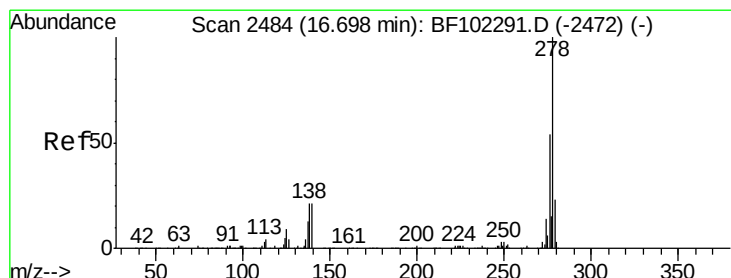
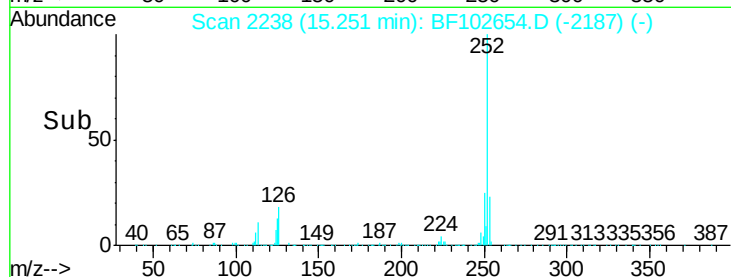
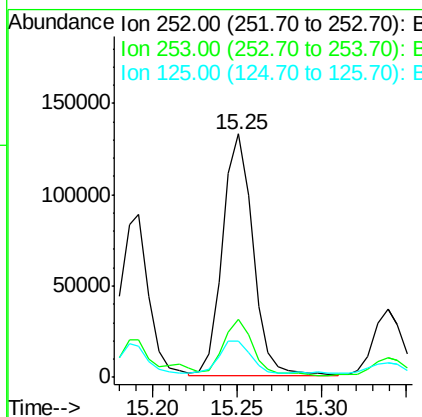
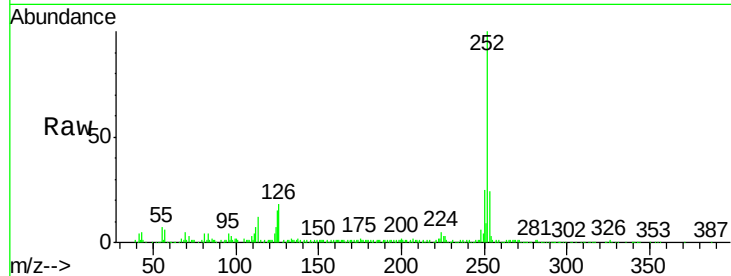
#89
Benzo(a)pyrene
Concen: 11.216 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Instrument :
BNA_F
ClientSampleId :
OILY-STONE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	15.0	9.8	14.6

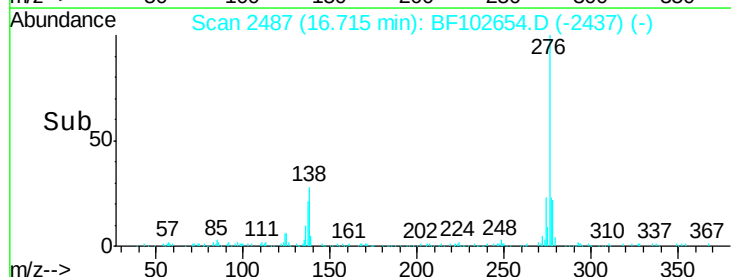
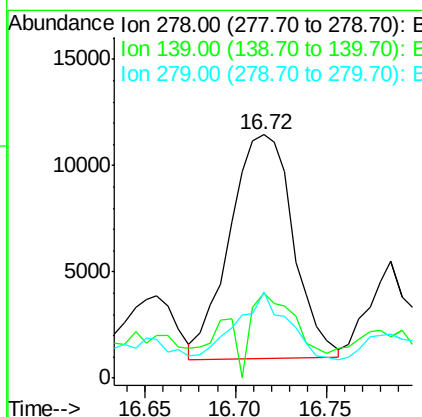
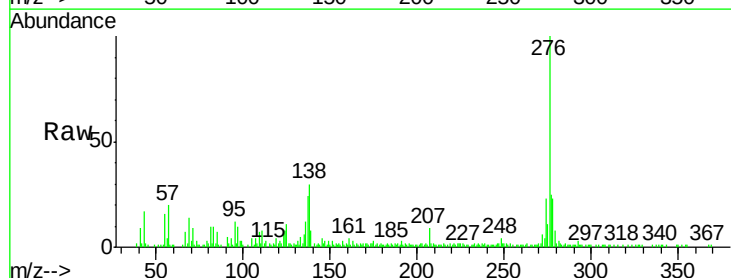
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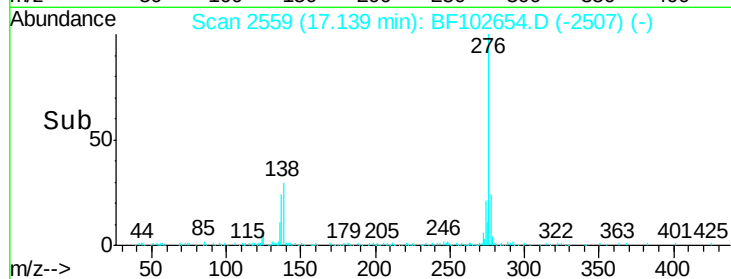
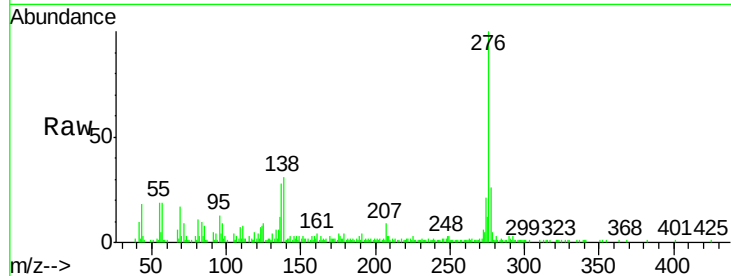
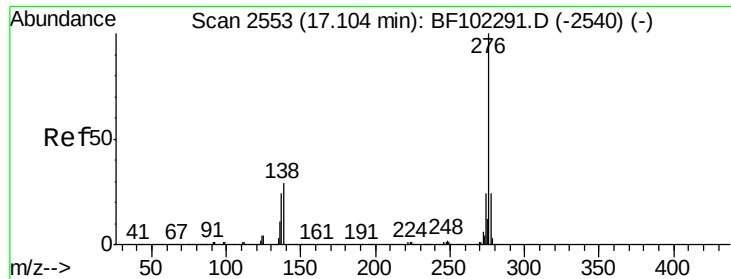
Sohil
1/31/2018 2:00:30 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.124 ng
RT: 16.72 min Scan# 2487
Delta R.T. -0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.9	15.9	23.9
279	35.4	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 7.678 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Tot Ion:	276	Resp:	91064
Ion Ratio	Lower	Upper	
276	100		
277	26.0	17.9	26.9
138	31.0	21.8	32.8

Instrument :

BNA_F

ClientSampled :

OILY-STONE

Manual Integrations
APPROVED

Sohil
1/31/2018 2:00:30 PM

