

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
 Data File : BF099276.D
 Acq On : 9 Oct 2017 21:41
 Operator : SJ/JU
 Sample : I5715-10 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-D

Manual Integrations
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Sohil
 10/10/2017 5:01:20 PM

Quant Time: Oct 10 02:32:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	96116	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	384013	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	164075	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	247291	20.00	ng	0.00
75) Chrysene-d12	14.03	240	174416	20.00	ng	0.00
86) Perylene-d12	15.50	264	175992	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	56668	9.39	ng	0.00
7) Phenol-d6	6.49	99	69815	9.37	ng	-0.01
23) Nitrobenzene-d5	7.42	82	38684	6.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	9435	7.03	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	86299	8.78	ng	-0.01
78) Terphenyl-d14	12.96	244	53049	6.92	ng	-0.01
Target Compounds						
70) Phenanthrene	11.41	178	40268	3.042	ng	99
74) Fluoranthene	12.60	202	94172	7.026	ng	99
77) Pyrene	12.83	202	81757	6.147	ng	98
80) Benzo(a)anthracene	14.02	228	54706	5.180	ng	99
82) Chrysene	14.05	228	41585	4.136	ng	96
85) Indeno(1,2,3-cd)pyrene	16.98	276	21672	2.694	ng	97
87) Benzo(b)fluoranthene	15.07	252	61418m	5.676	ng	
88) Benzo(k)fluoranthene	15.10	252	24518m	2.294	ng	
89) Benzo(a)pyrene	15.44	252	43837	4.413	ng	# 95
91) Benzo(g,h,i)perylene	17.44	276	18198	2.316	ng	# 89

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

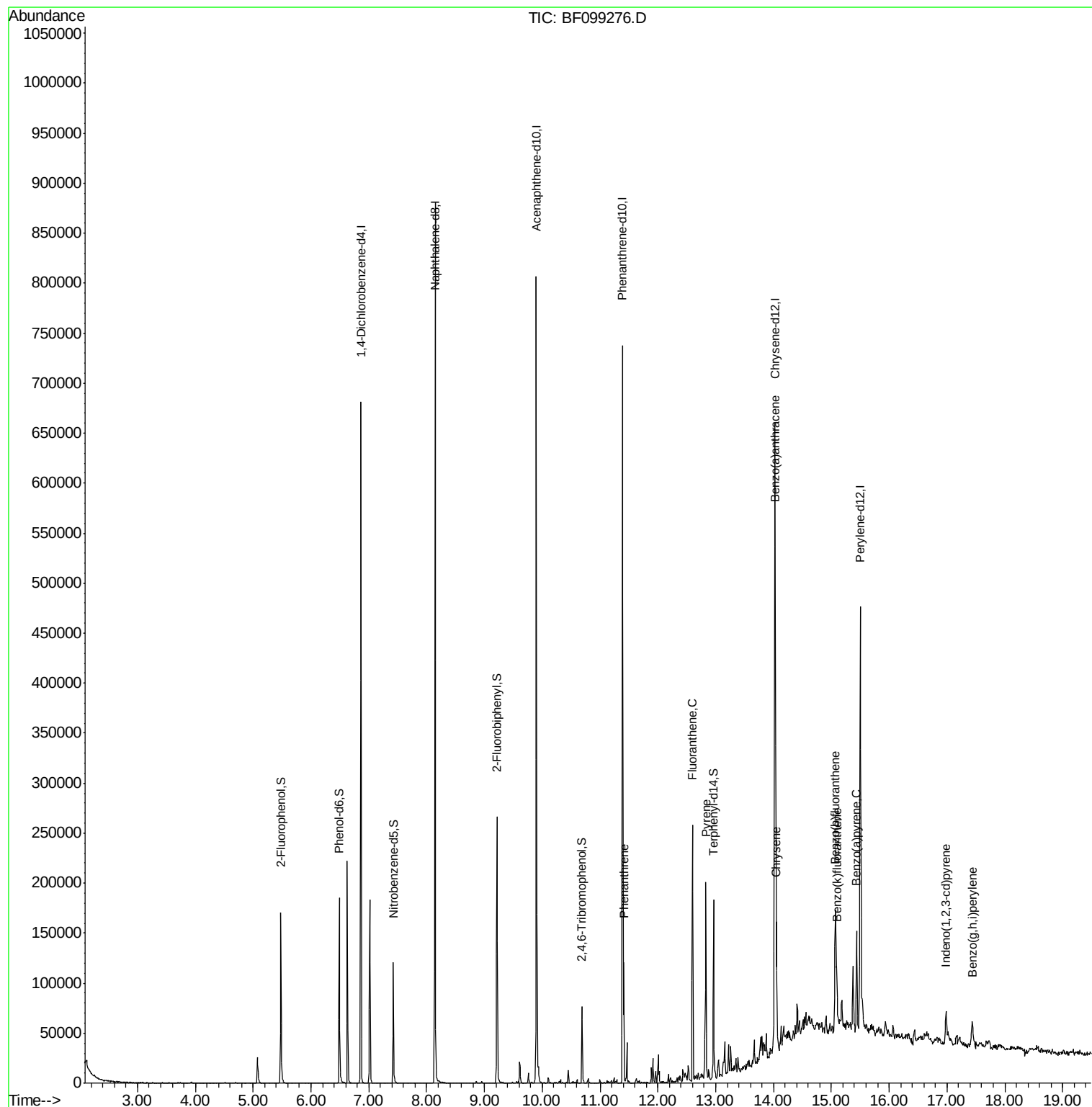
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
Data File : BF099276.D
Acq On : 9 Oct 2017 21:41
Operator : SJ/JU
Sample : I5715-10 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

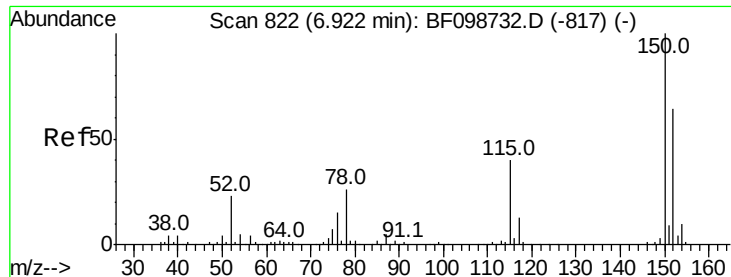
Instrument :
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#1

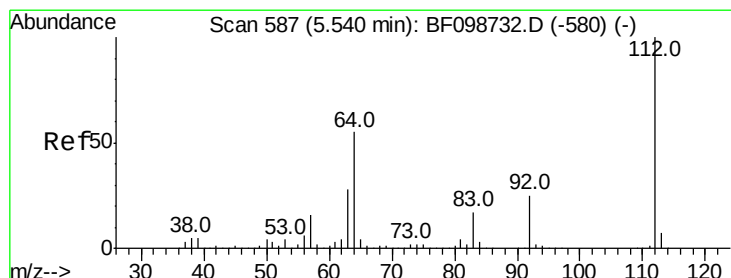
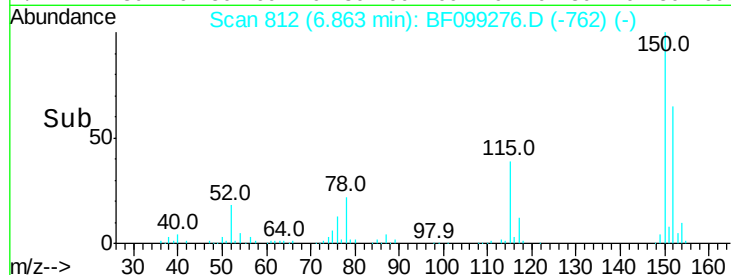
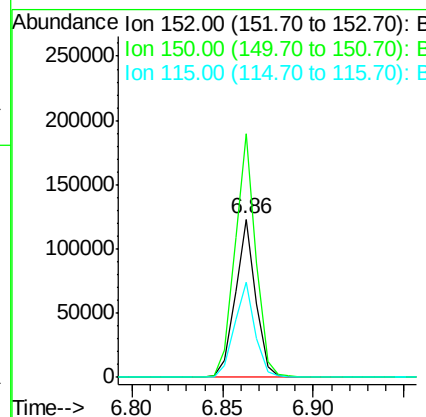
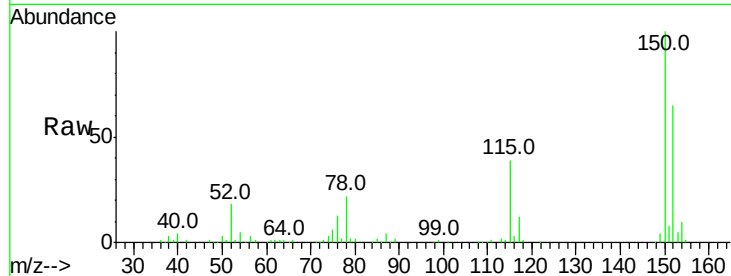
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	60.2	50.1	75.1

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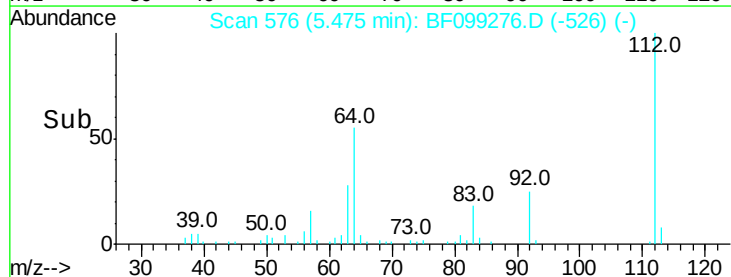
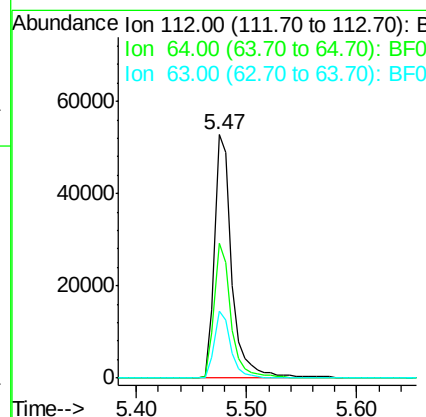
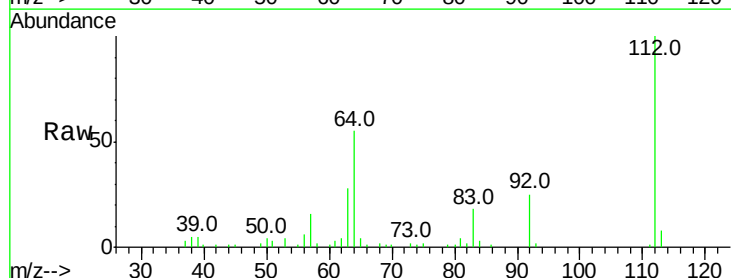
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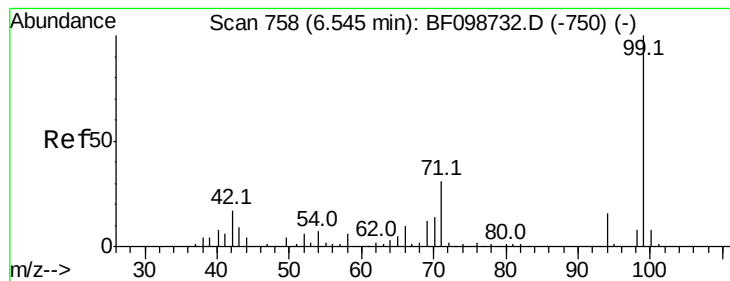


#5

2-Fluorophenol
Concen: 9.386 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	47.9	71.9
63	27.6	23.7	35.5





#7

Phenol-d6

Concen: 9.373 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

Instrument :

BNA_F

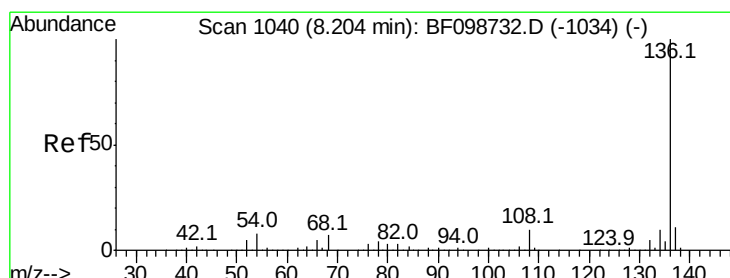
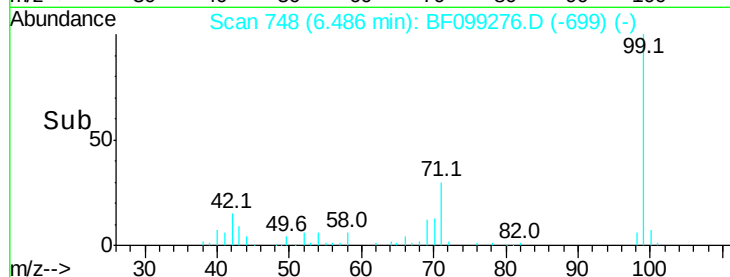
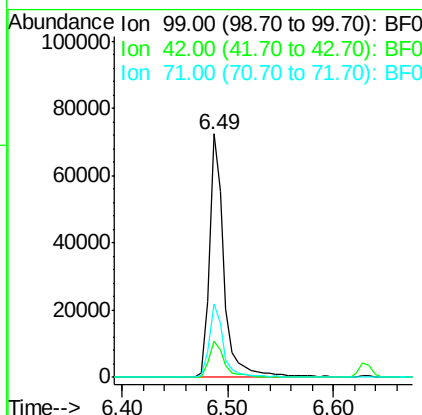
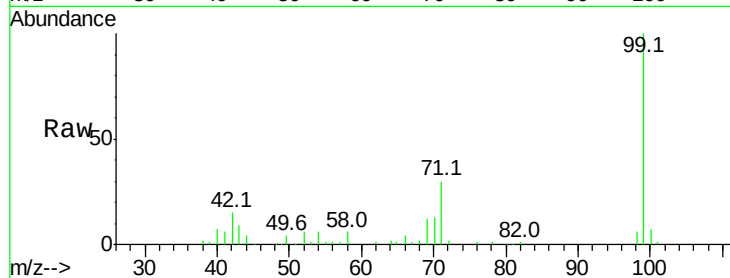
ClientSampleId :

PL-02-100517-D

Tot Ion:	99	Resp:	69815
Ion	Ratio	Lower	Upper
99	100		
42	14.9	14.5	21.7
71	30.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

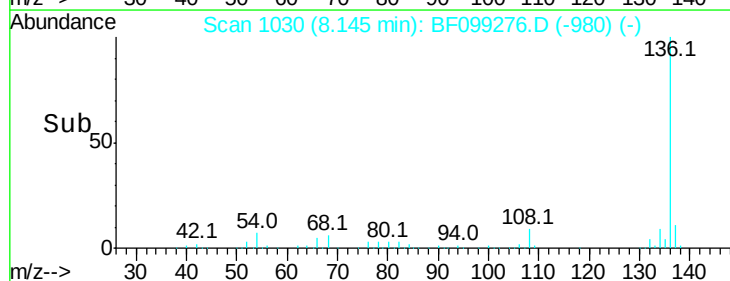
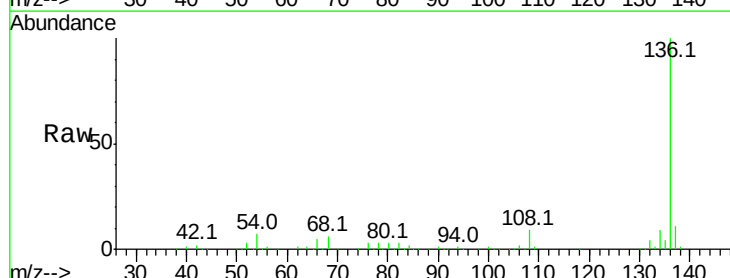
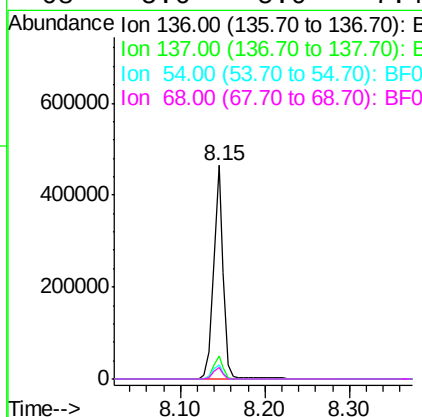
RT: 8.15 min Scan# 1030

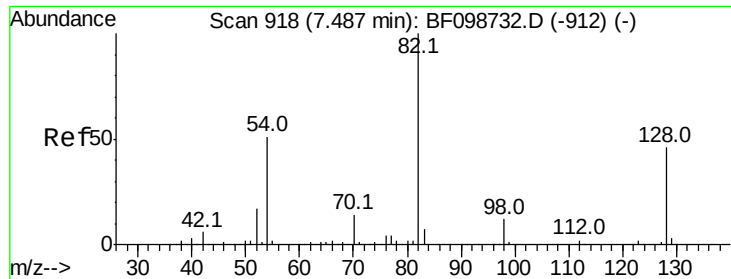
Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

Tgt Ion:	136	Resp:	384013
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	5.6	5.0	7.4





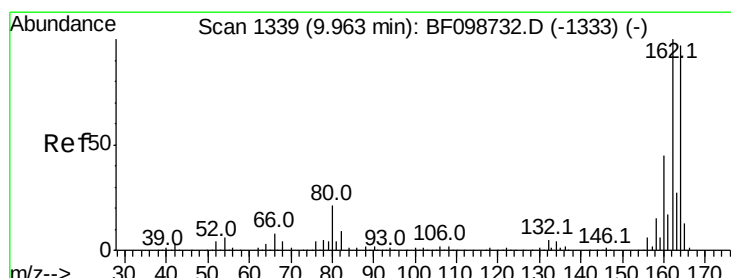
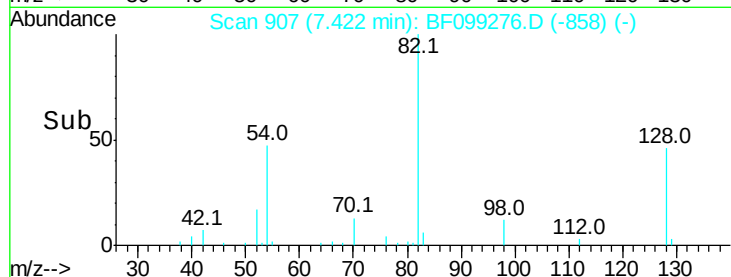
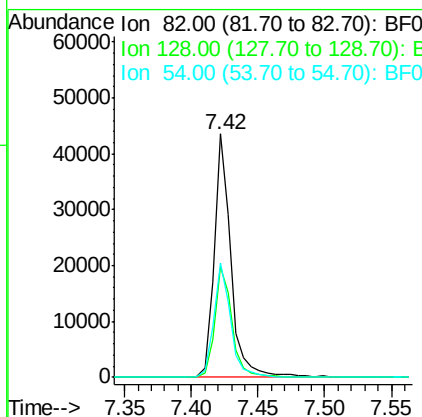
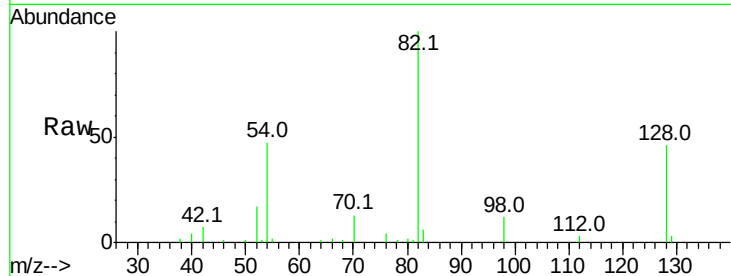
#23
Nitrobenzene-d5
Concen: 6.460 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	47.0	41.4	62.2

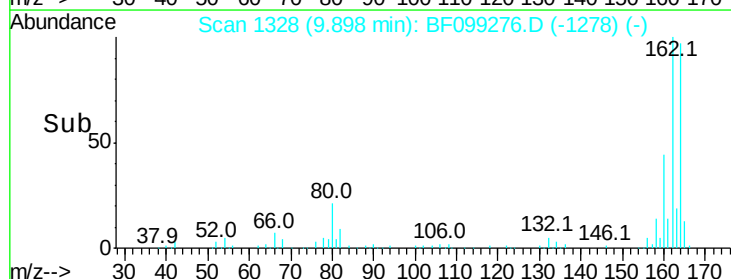
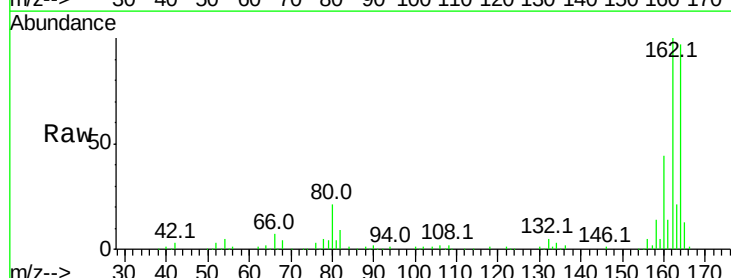
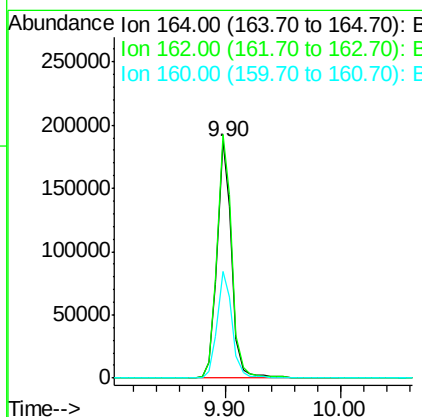
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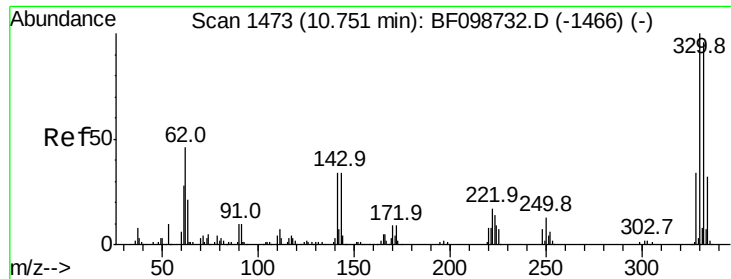
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	86.1	129.1
160	44.8	38.3	57.5





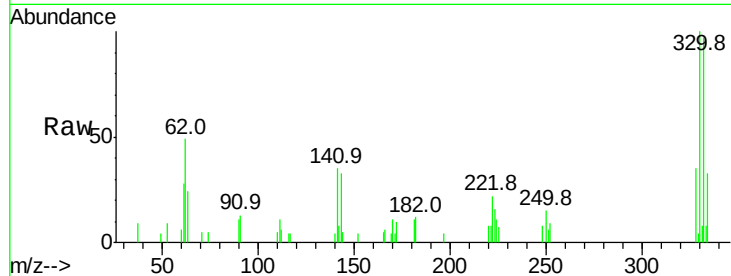
#41
 2,4,6-Tribromophenol
 Concen: 7.028 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099276.D
 Acq: 9 Oct 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-D

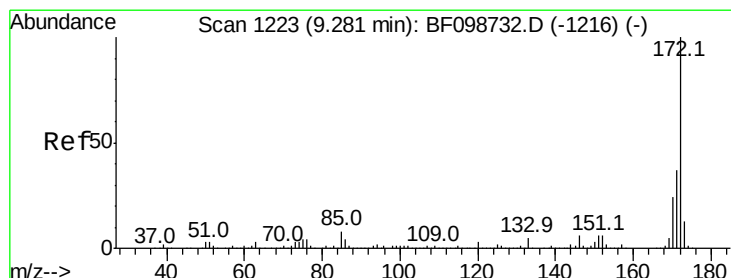
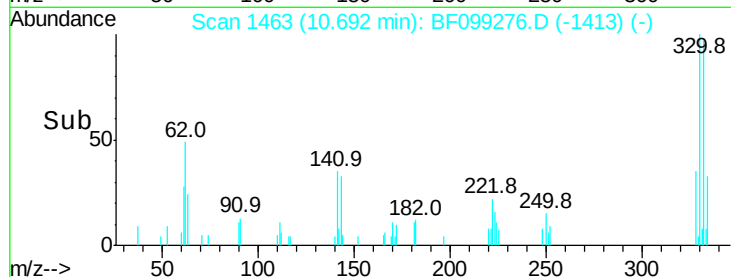
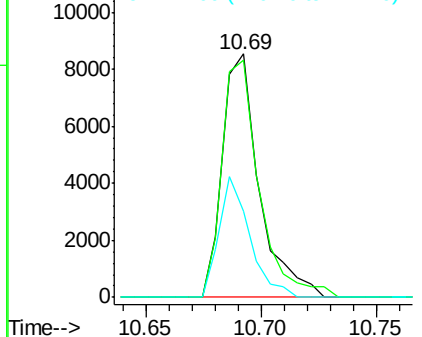
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.0	115.6
141	41.1	29.9	44.9

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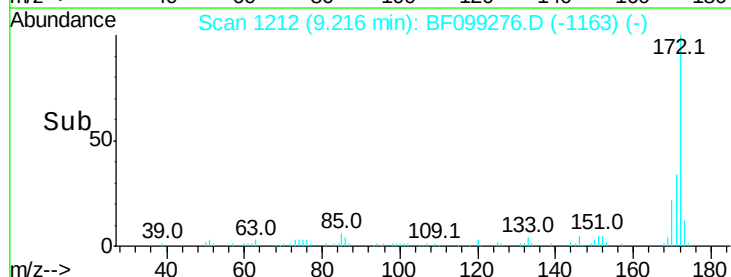
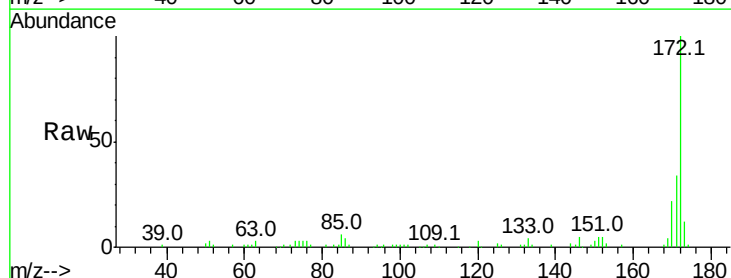
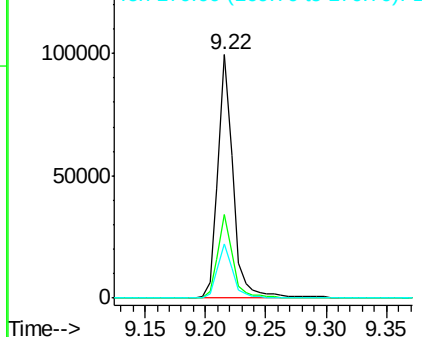
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

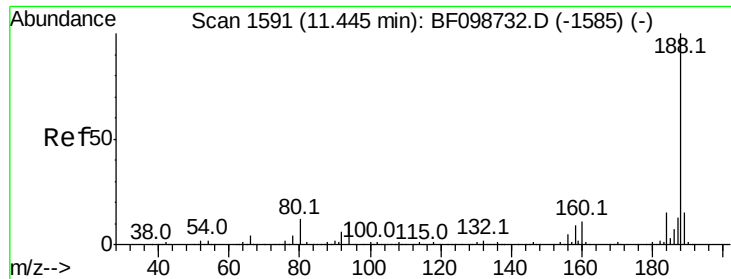


#44
 2-Fluorobiphenyl
 Concen: 8.781 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099276.D
 Acq: 9 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.7	44.5
170	22.4	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





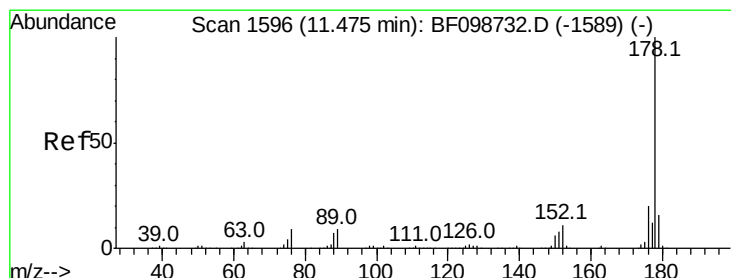
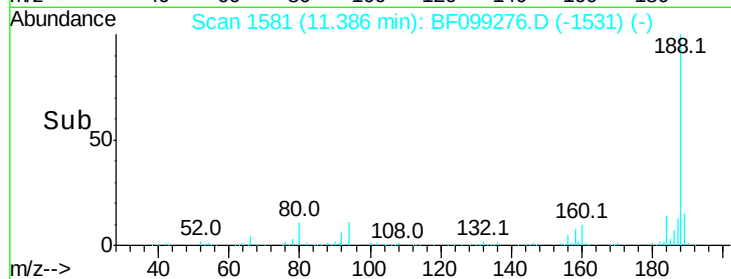
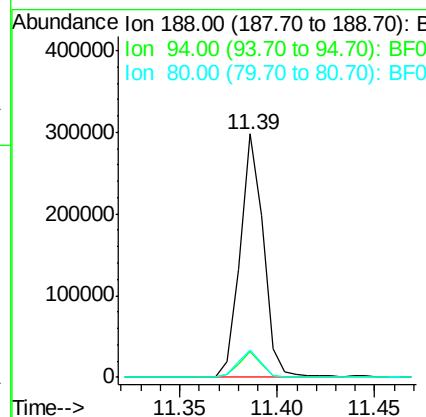
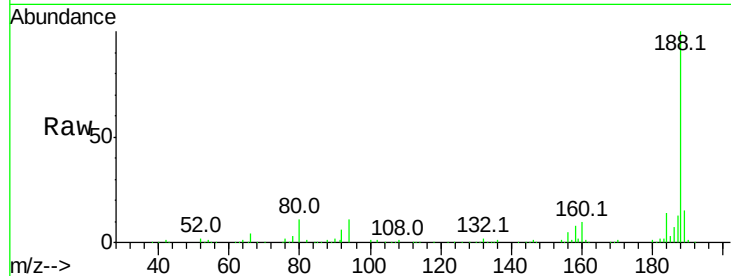
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	247291		
94	10.7	8.5	12.7	
80	11.4	9.2	13.8	

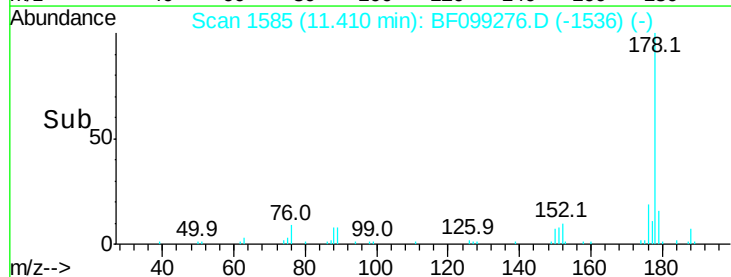
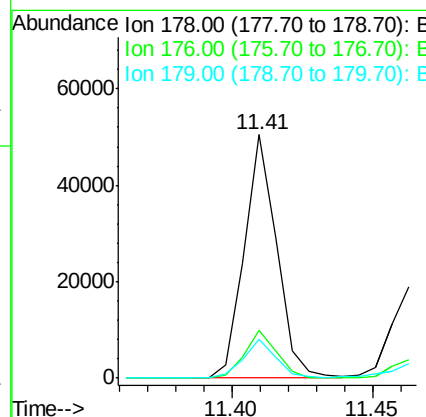
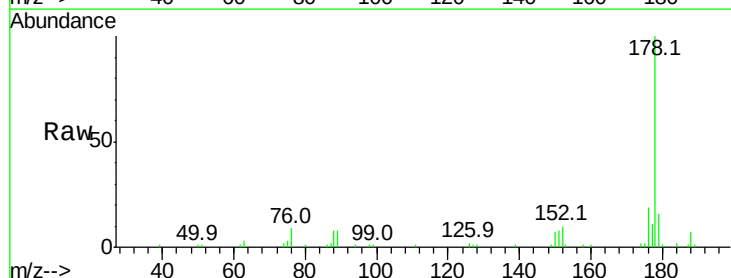
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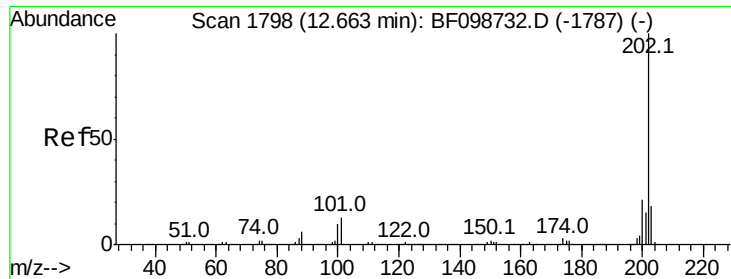
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#70
Phenanthrene
Concen: 3.042 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	40268		
176	19.4	15.8	23.8	
179	15.7	13.0	19.6	





#74

Fluoranthene

Concen: 7.026 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

Instrument :

BNA_F

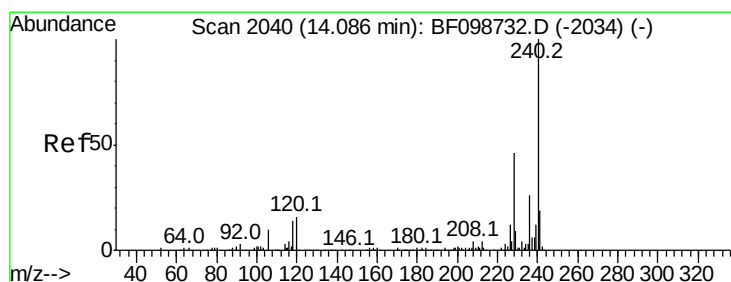
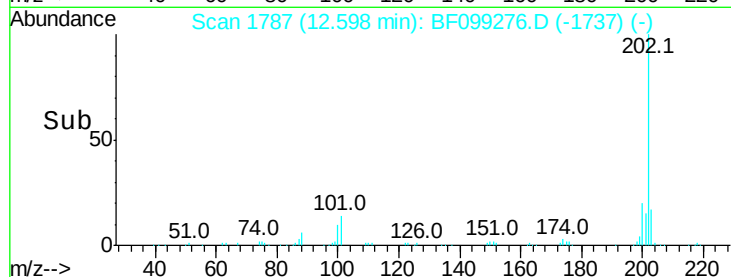
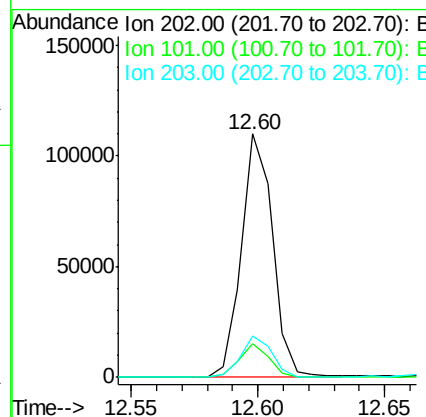
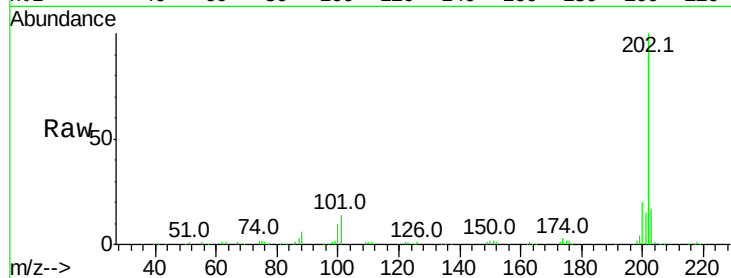
ClientSampleId :

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Tot Ion:	202	Resp:	94172
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	34.1
203	17.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

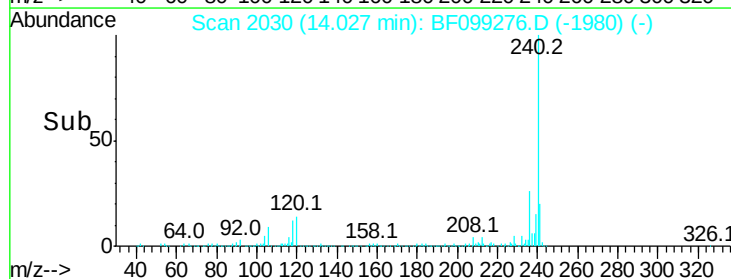
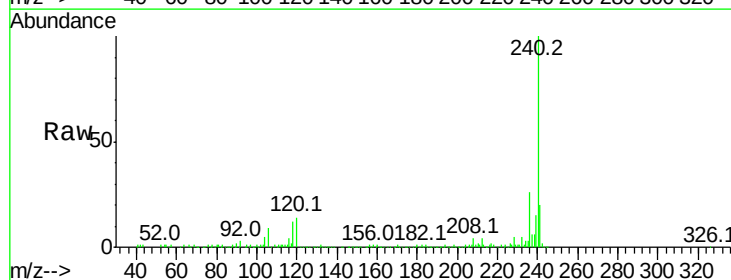
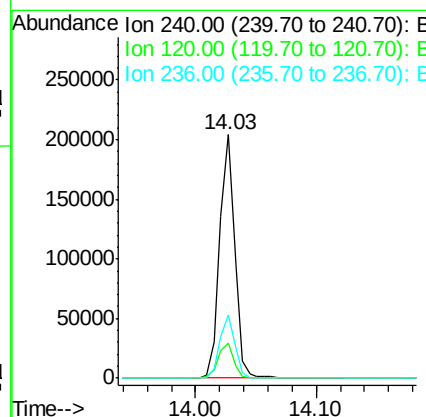
RT: 14.03 min Scan# 2030

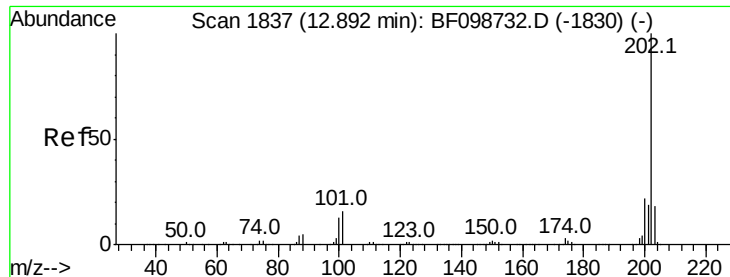
Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

Tgt Ion:	240	Resp:	174416
Ion Ratio	Lower	Upper	
240	100		
120	14.3	9.5	14.3
236	25.9	20.7	31.1





#77

Pvrene

Concen: 6.147 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

Instrument :

BNA_F

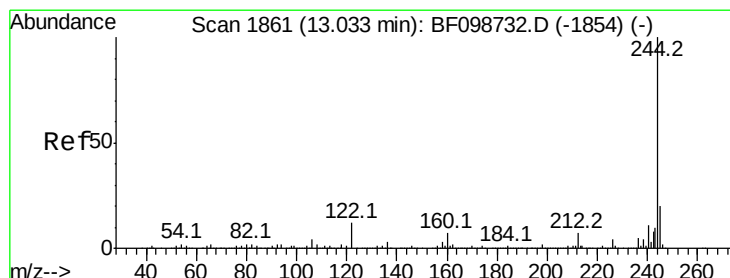
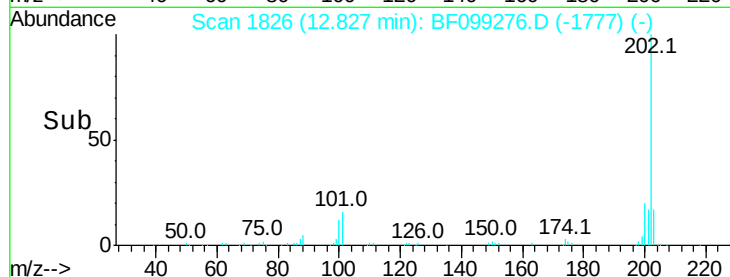
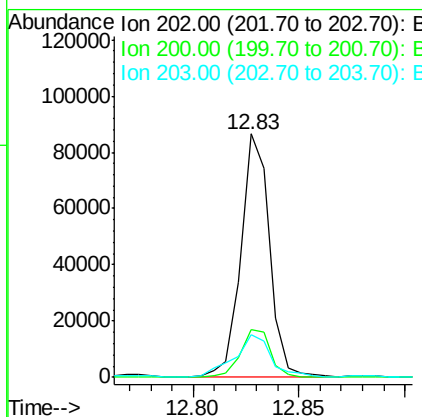
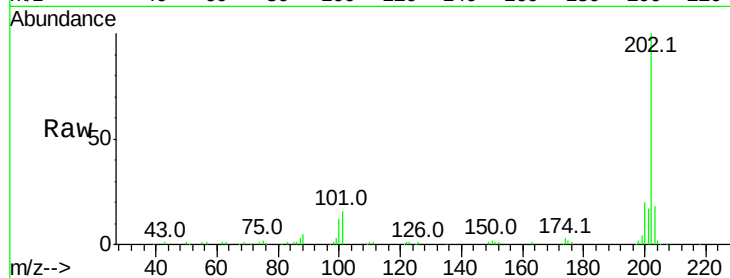
ClientSampleId :

PL-02-100517-D

Tot Ion:	202	Resp:	81757
Ion Ratio	Lower	Upper	
202	100		
200	19.9	17.4	26.2
203	17.6	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 6.917 ng

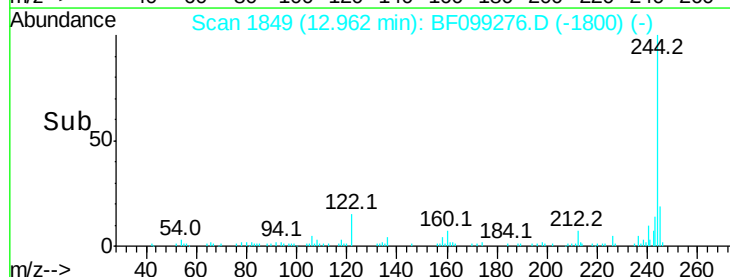
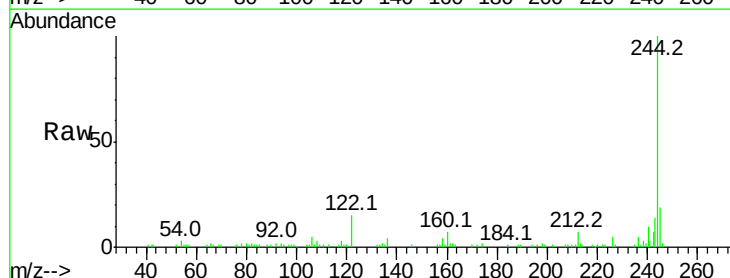
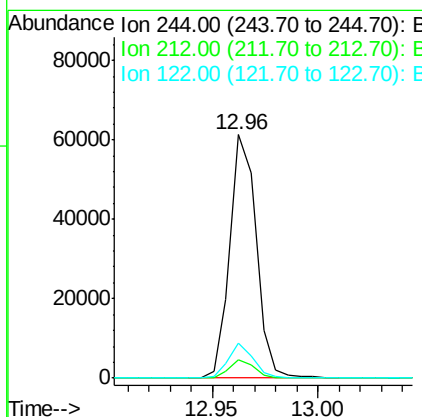
RT: 12.96 min Scan# 1849

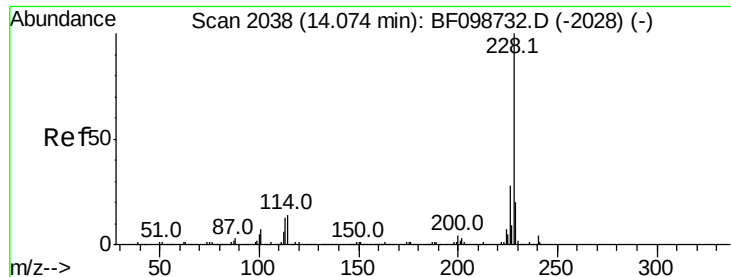
Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

Tgt Ion:	244	Resp:	53049
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.4	8.0
122	14.5	11.0	16.4





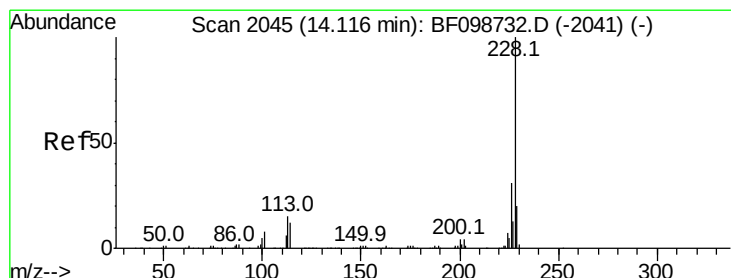
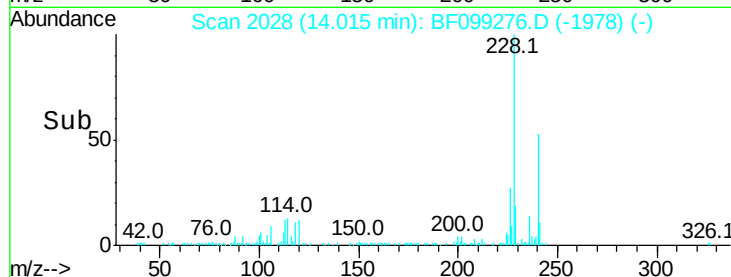
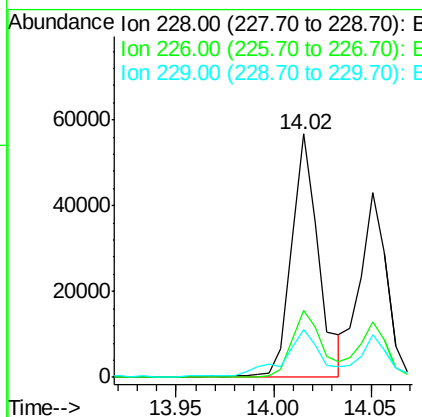
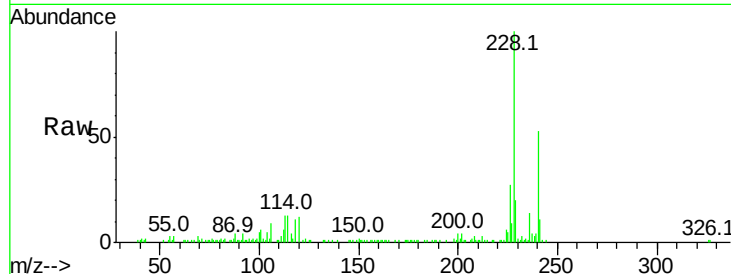
#80
Benzo(a)anthracene
Concen: 5.180 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	19.6	15.8	23.6

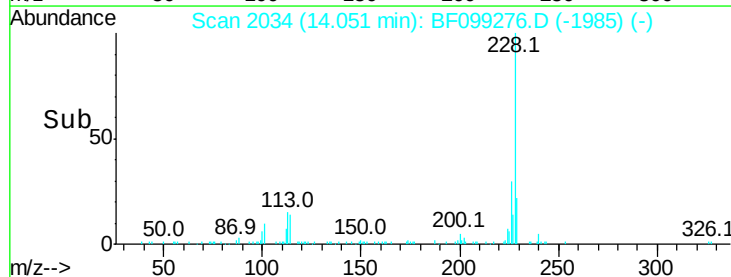
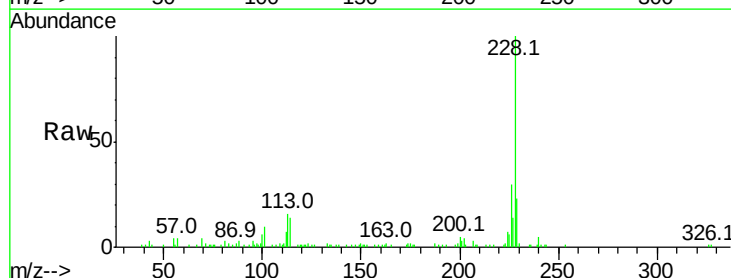
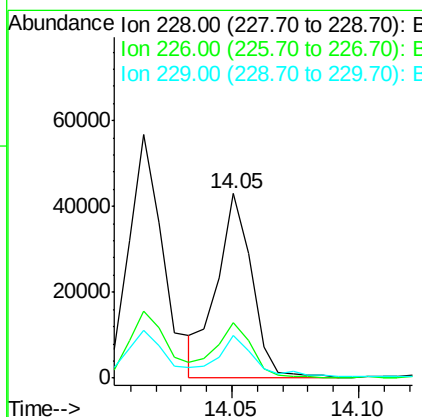
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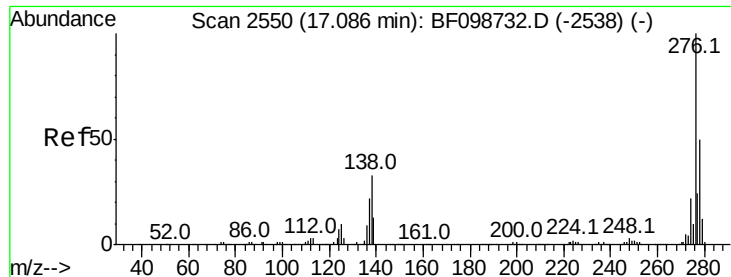
Sohil
10/10/2017 5:01:20 PM



#82
Chrysene
Concen: 4.136 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	23.2	16.2	24.4





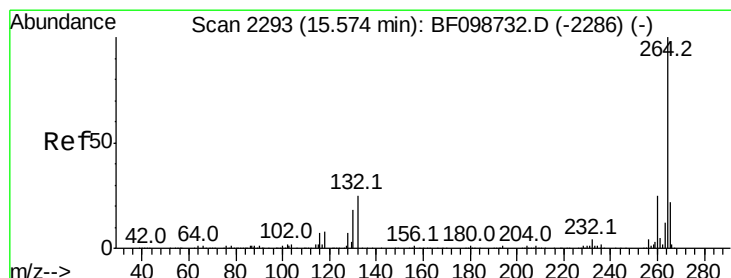
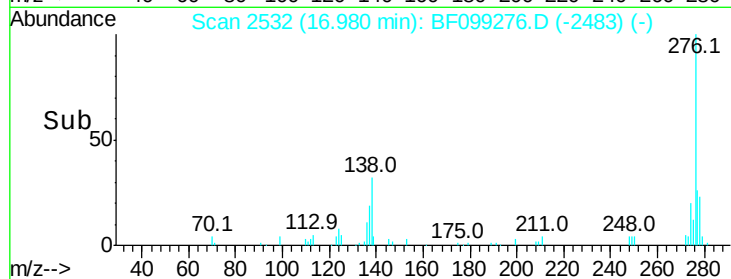
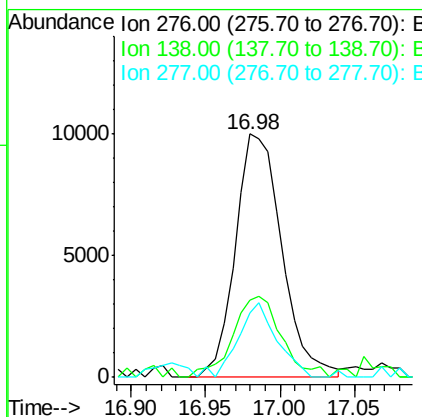
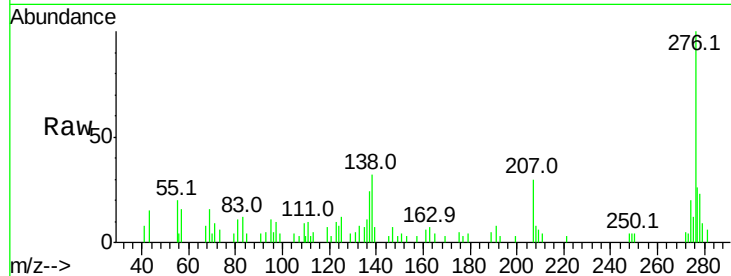
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.694 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.6	25.0	37.6
277	25.3	20.1	30.1

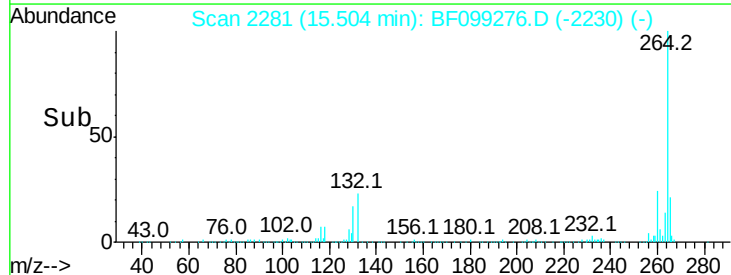
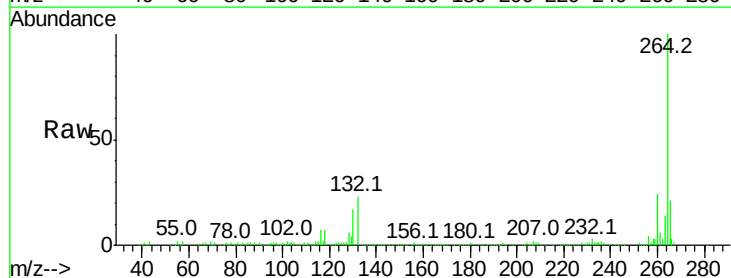
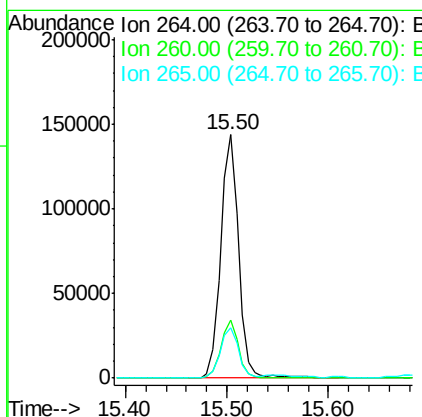
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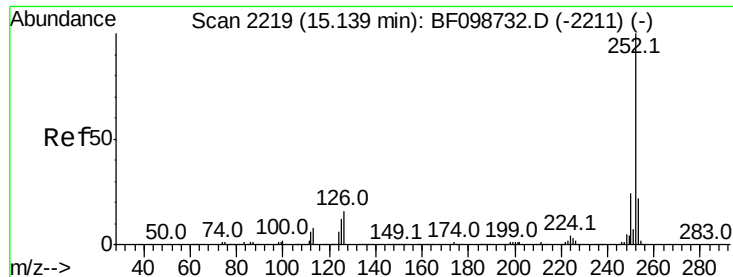
Sohil
10/10/2017 5:01:20 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	20.6	17.5	26.3





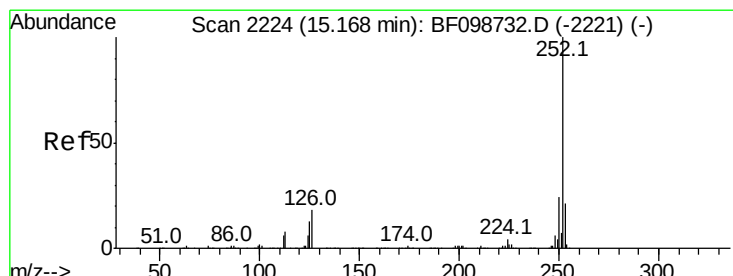
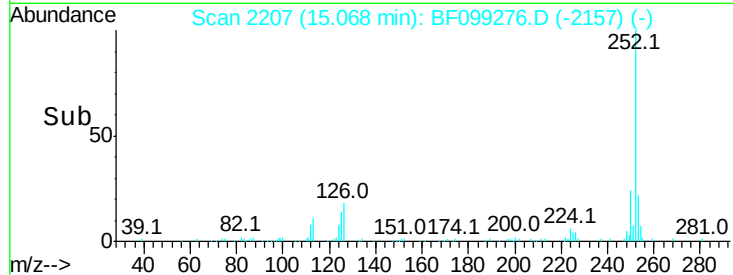
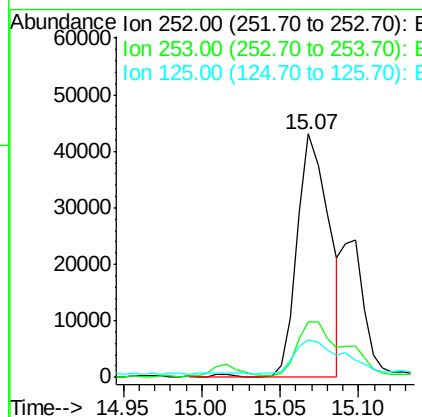
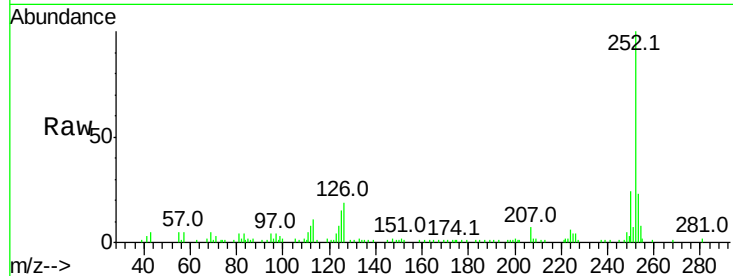
#87
Benzo(b)fluoranthene
Concen: 5.676 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	15.4	9.0	13.6

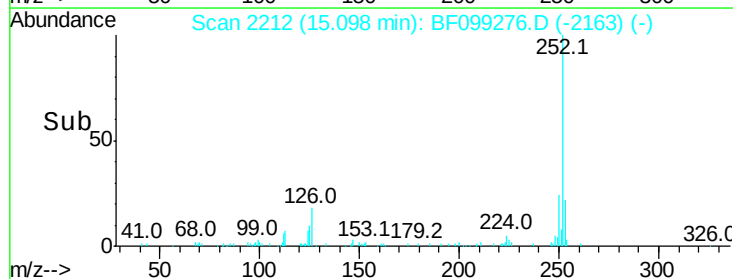
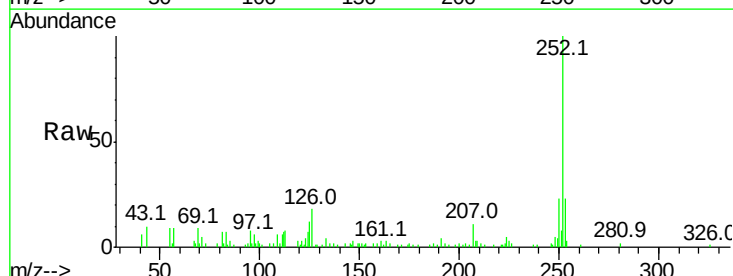
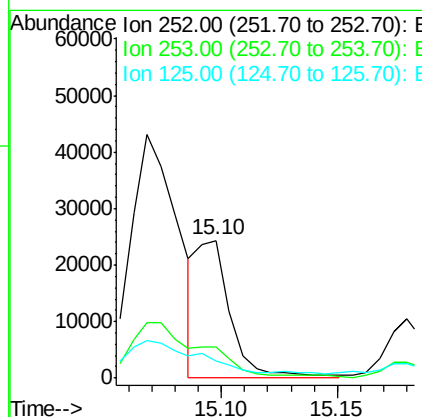
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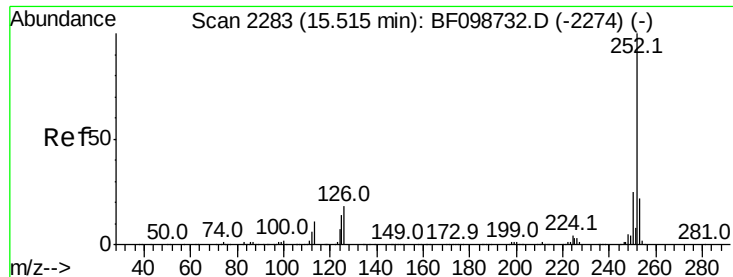
Sohil
10/10/2017 5:01:20 PM



#88
Benzo(k)fluoranthene
Concen: 2.294 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	12.4	10.2	15.2





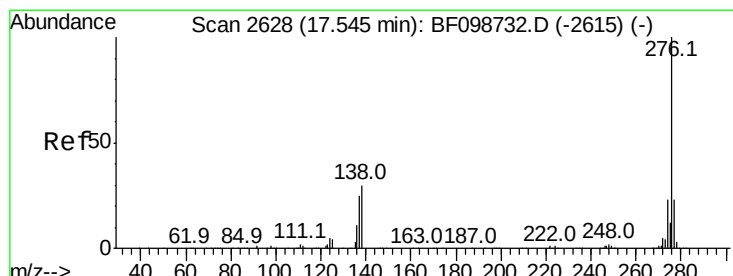
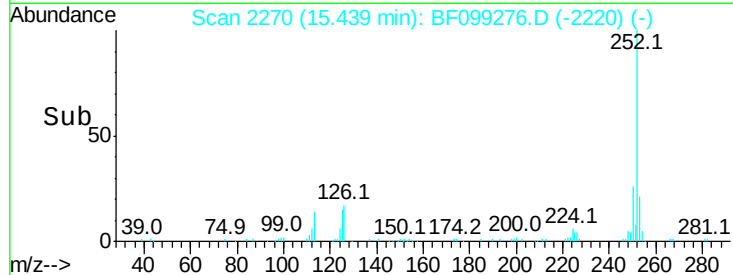
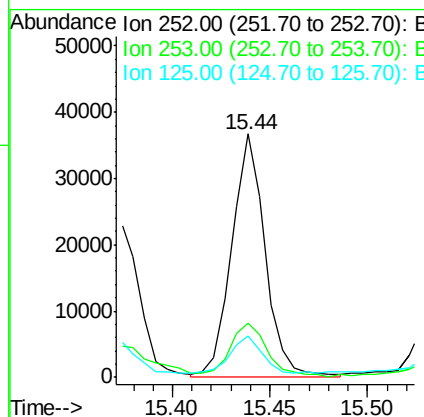
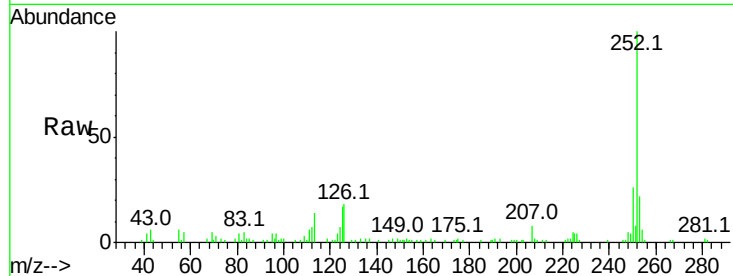
#89
Benzo(a)pyrene
Concen: 4.413 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	16.8	9.8	14.6

Manual Integrations
APPROVED

Sohil
10/10/2017 5:01:20 PM



#91
Benzo(g,h,i)perylene
Concen: 2.316 ng
RT: 17.44 min Scan# 2610
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	34.5	21.8	32.8

