

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093905.D
 Acq On : 24 Mar 2017 13:46
 Operator : SJ/MA
 Sample : I2367-18
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC-DD-7-8-BASE

Manual Integrations
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mohammad
 3/27/2017 12:56:03 PM

Quant Time: Mar 25 00:18:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.97	152	191704	20.00	ng	-0.02
21) Naphthalene-d8	7.47	136	741770	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	313287	20.00	ng	-0.02
63) Phenanthrene-d10	11.44	188	481671	20.00	ng	-0.02
75) Chrysene-d12	14.69	240	330165	20.00	ng	-0.02
86) Perylene-d12	16.33	264	289434	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.51	112	1261357	111.13	ng	0.00
7) Phenol-d6	5.57	99	1620570	115.42	ng	0.00
23) Nitrobenzene-d5	6.62	82	993361	76.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	277170	111.96	ng	-0.02
44) 2-Fluorobiphenyl	8.80	172	1615173	78.64	ng	-0.02
78) Terphenyl-d14	13.42	244	965628	65.56	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.29	163	165618	7.44	ng	99
70) Phenanthrene	11.47	178	270053	10.08	ng	98
71) Anthracene	11.53	178	55855	2.02	ng	98
74) Fluoranthene	12.93	202	392392	14.30	ng	99
77) Pyrene	13.21	202	346263	14.45	ng	99
80) Benzo(a)anthracene	14.68	228	150679	7.83	ng	96
82) Chrysene	14.73	228	167214	9.36	ng	97
85) Indeno(1,2,3-cd)pyrene	17.72	276	73044	4.72	ng	97
87) Benzo(b)fluoranthene	15.92	252	183986m	10.37	ng	
88) Benzo(k)fluoranthene	15.94	252	70713m	4.07	ng	
89) Benzo(a)pyrene	16.27	252	128601	7.87	ng	# 94
91) Benzo(a,h,i)perylene	18.12	276	64632	4.64	ng	94

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

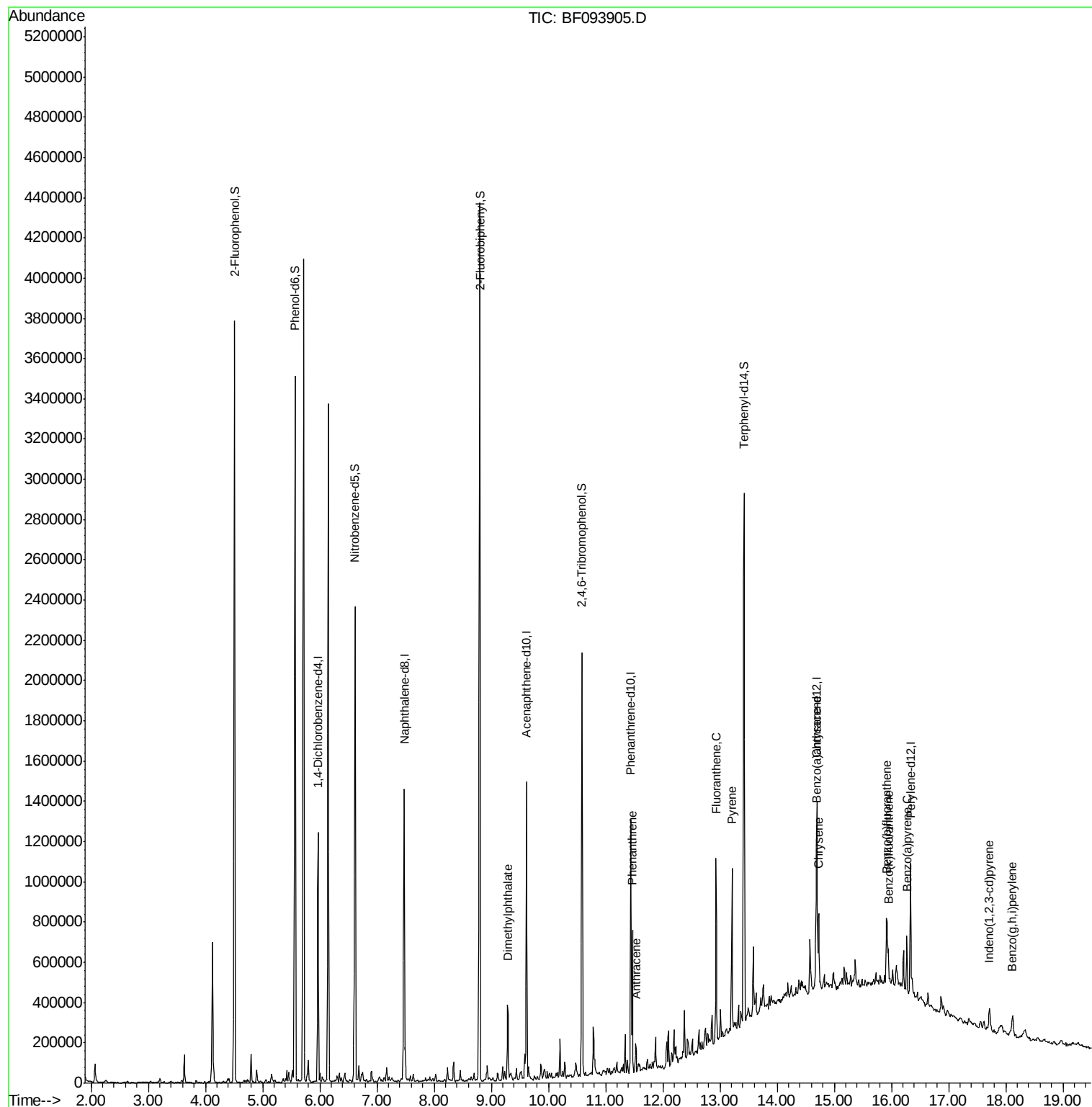
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
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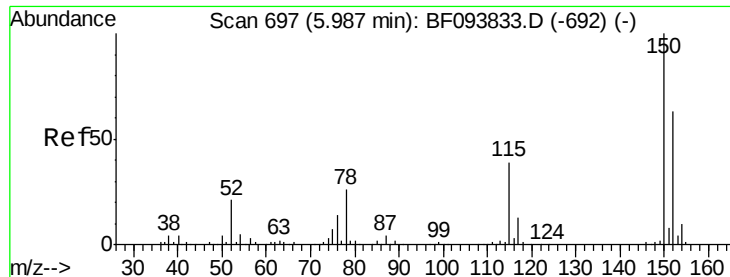
Instrument :
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ClientSampleId :
E2-CC-DD-7-8-BASE

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#1

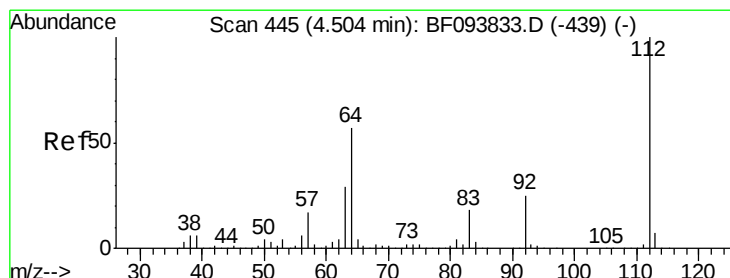
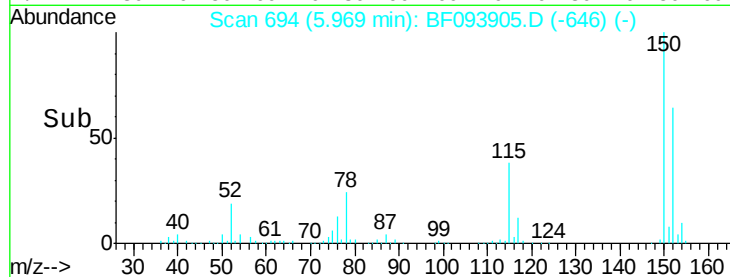
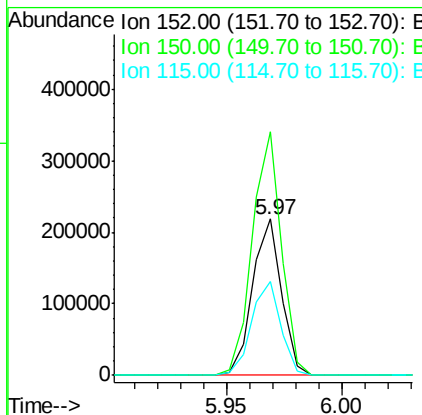
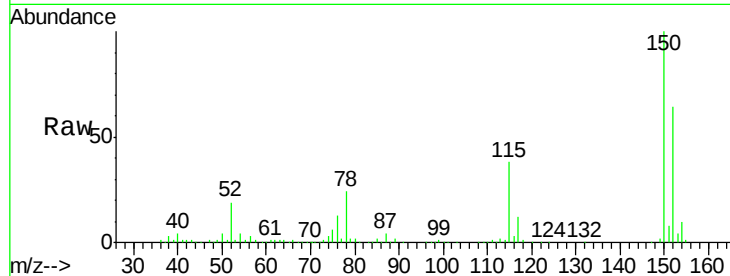
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.97 min Scan# 694
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-7-8-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.2	189.2
115	59.8	52.2	78.2

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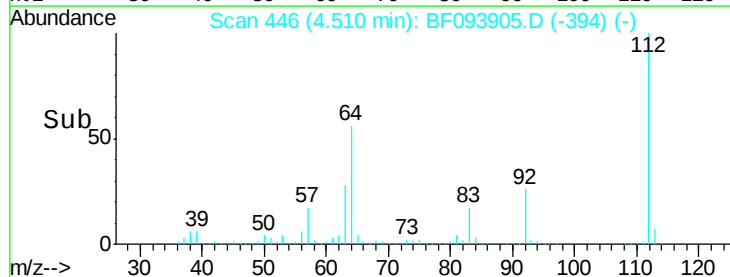
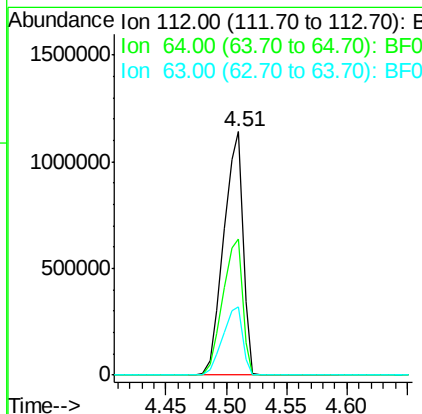
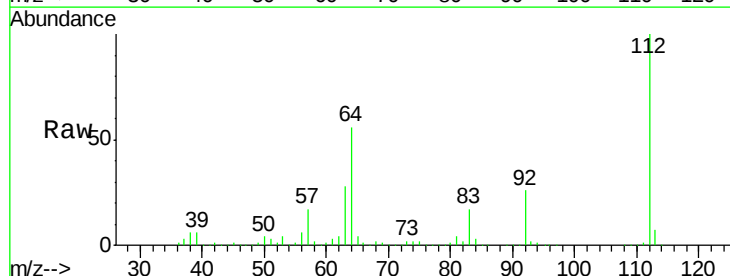
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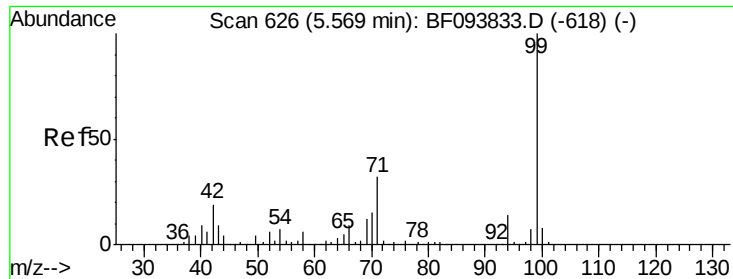


#5

2-Fluorophenol
Concen: 111.13 ng
RT: 4.51 min Scan# 446
Delta R.T. 0.01 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.0	69.0
63	28.3	23.4	35.0





#7

Phenol-d6

Concen: 115.42 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

E2-CC-DD-7-8-BASE

Tot Ion: 99 Resp: 1620570

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

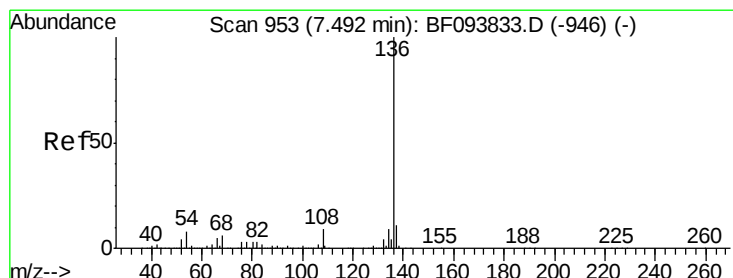
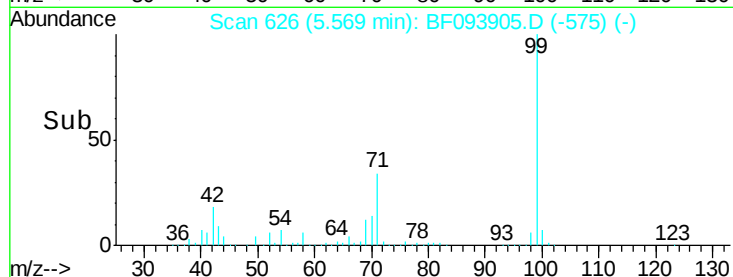
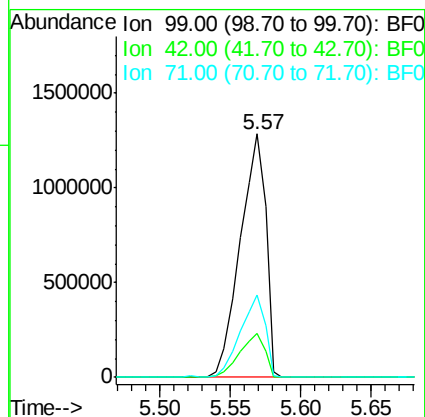
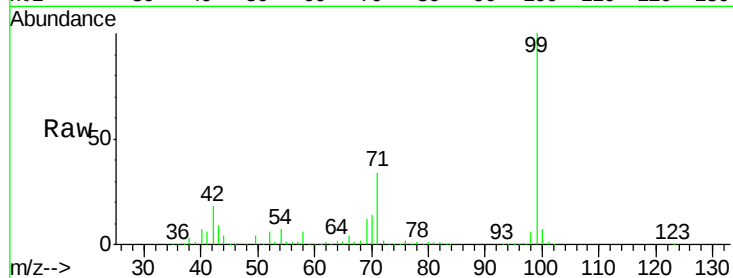
71 33.7 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.47 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Tgt Ion: 136 Resp: 741770

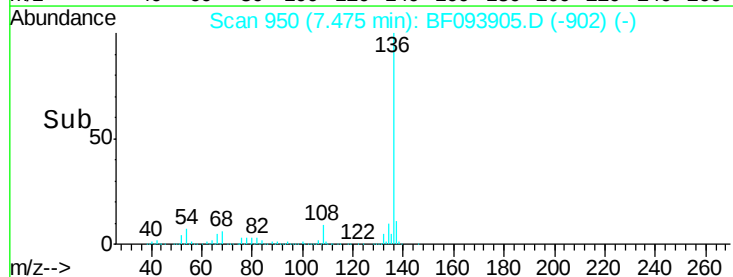
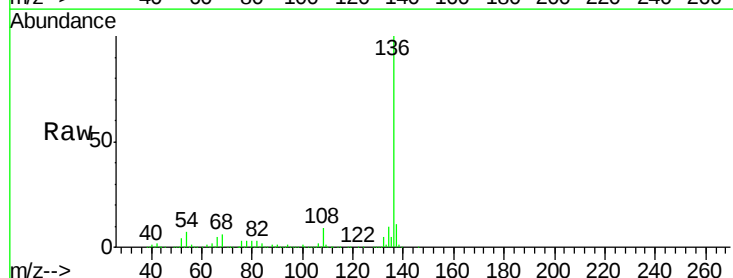
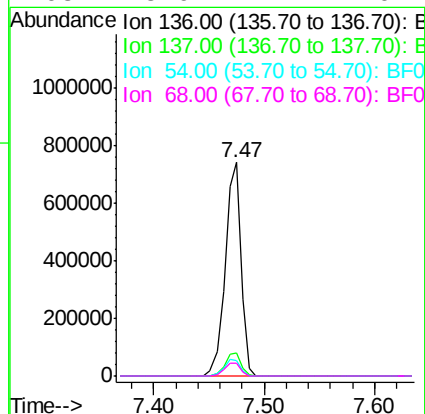
Ion Ratio Lower Upper

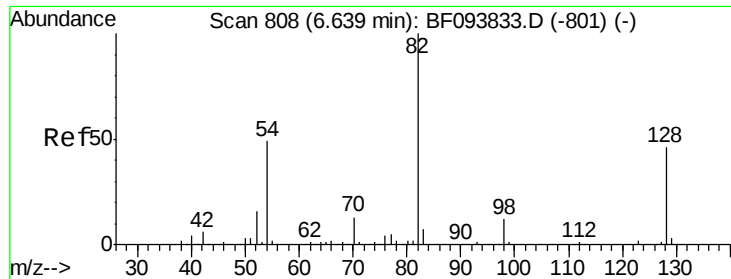
136 100

137 10.8 8.5 12.7

54 7.1 4.9 7.3

68 5.9 4.1 6.1





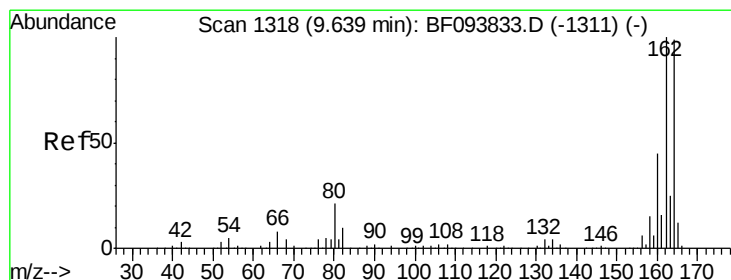
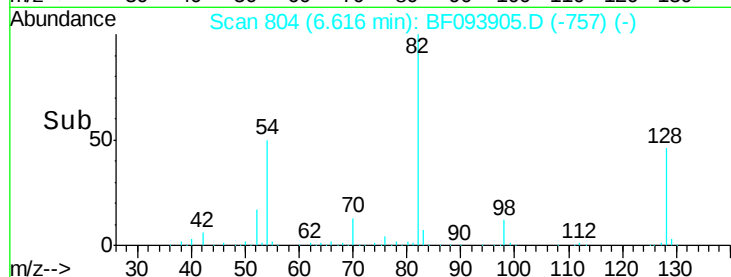
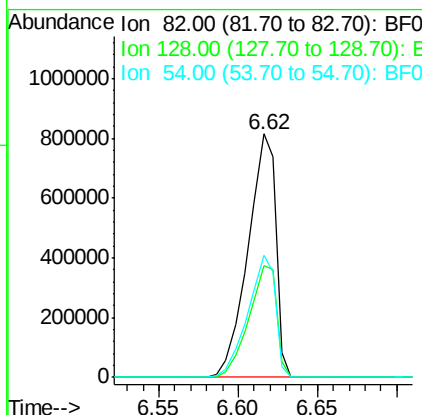
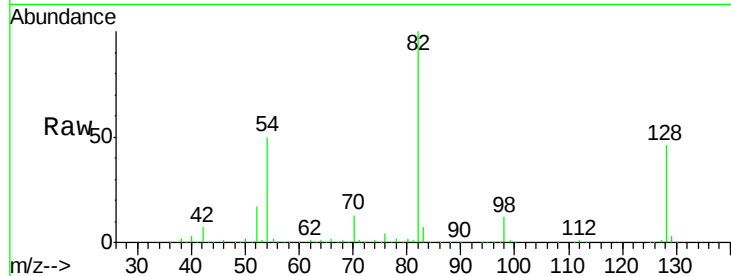
#23
 Nitrobenzene-d5
 Concen: 76.43 ng
 RT: 6.62 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF093905.D
 Acq: 24 Mar 2017 13:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC-DD-7-8-BASE

Tot Ion	82	Resp	993361
Ion Ratio	100	Lower	Upper
82	100		
128	46.0	34.0	51.0
54	50.0	42.2	63.2

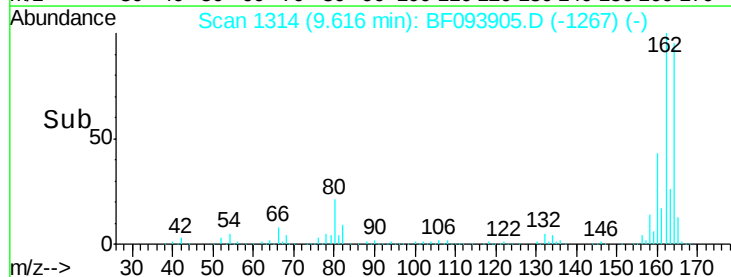
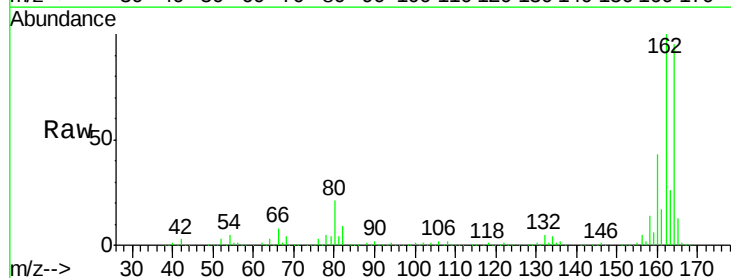
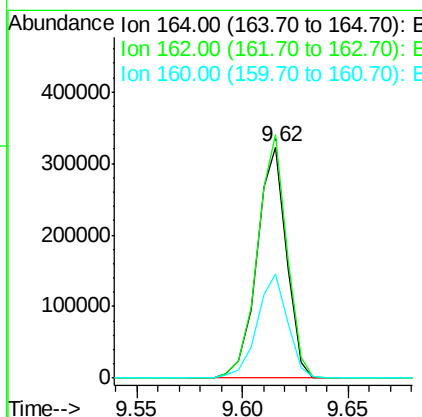
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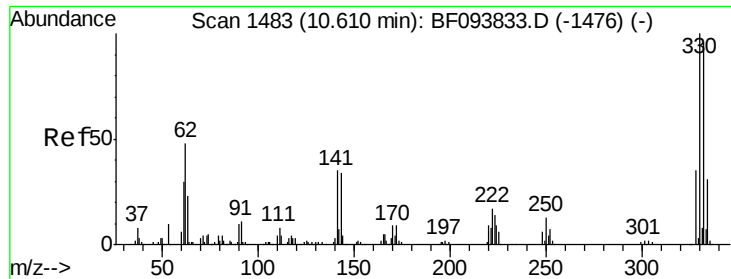
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF093905.D
 Acq: 24 Mar 2017 13:46

Tgt Ion	164	Resp	313287
Ion Ratio	100	Lower	Upper
164	100		
162	105.4	82.6	123.8
160	45.1	36.2	54.2





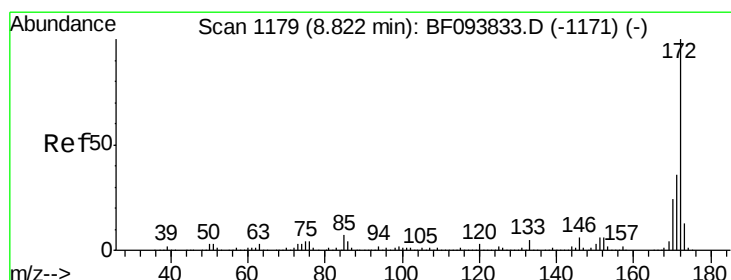
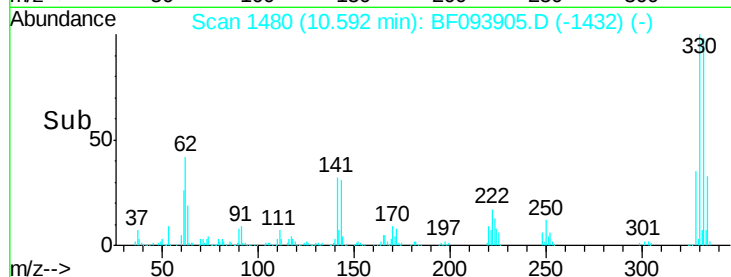
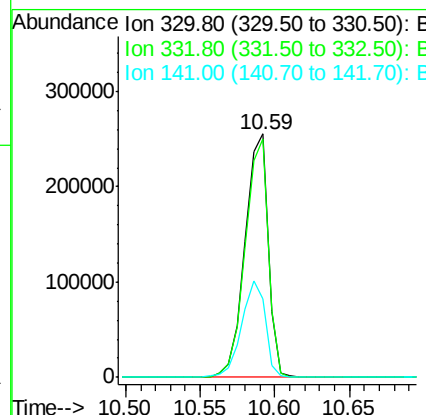
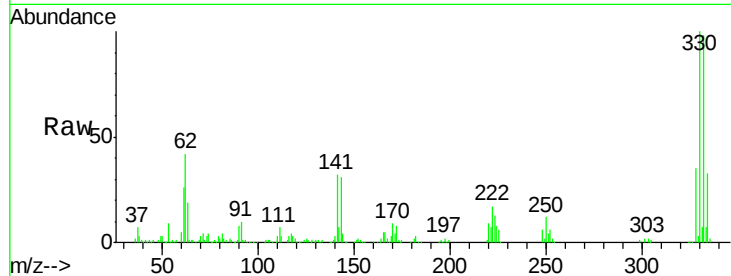
#41
 2,4,6-Tribromophenol
 Concen: 111.96 ng
 RT: 10.59 min Scan# 1480
 Delta R.T. -0.02 min
 Lab File: BF093905.D
 Acq: 24 Mar 2017 13:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC-DD-7-8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	277170		
332	97.0	76.6	115.0	
141	40.3	31.4	47.2	

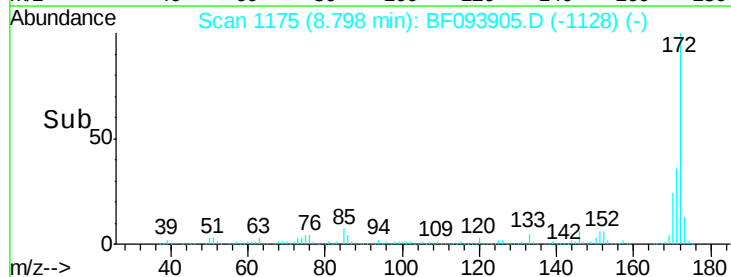
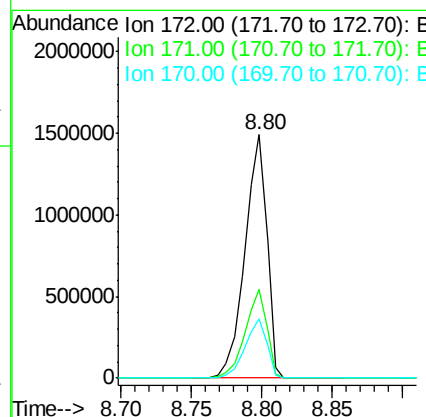
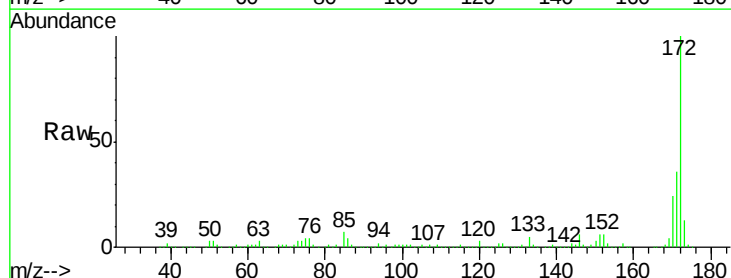
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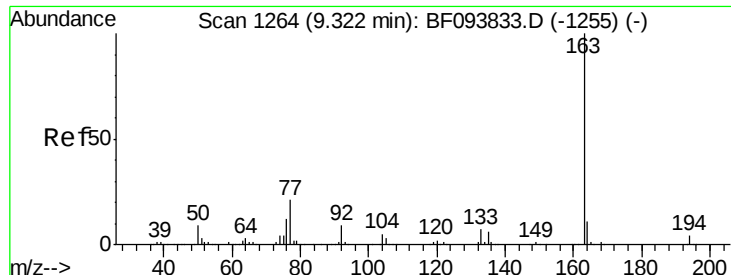
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#44
 2-Fluorobiphenyl
 Concen: 78.64 ng
 RT: 8.80 min Scan# 1175
 Delta R.T. -0.02 min
 Lab File: BF093905.D
 Acq: 24 Mar 2017 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1615173		
171	36.5	29.6	44.4	
170	24.4	19.8	29.8	





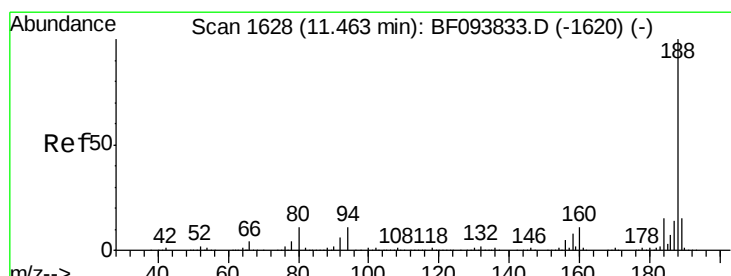
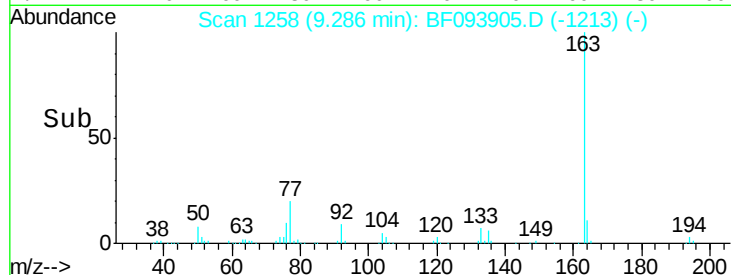
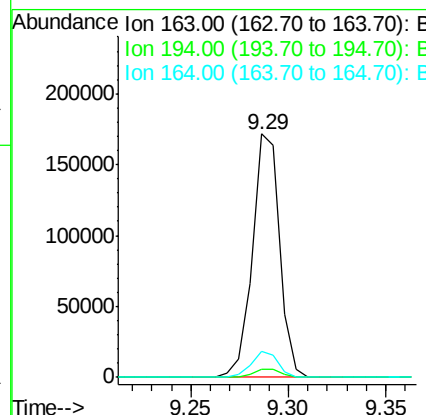
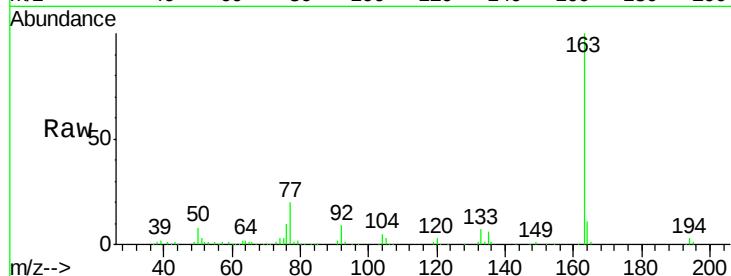
#49
Dimethylphthalate
Concen: 7.44 ng
RT: 9.29 min Scan# 1258
Delta R.T. -0.04 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-7-8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	165618		
194	3.2	2.6	4.0	
164	10.8	8.4	12.6	

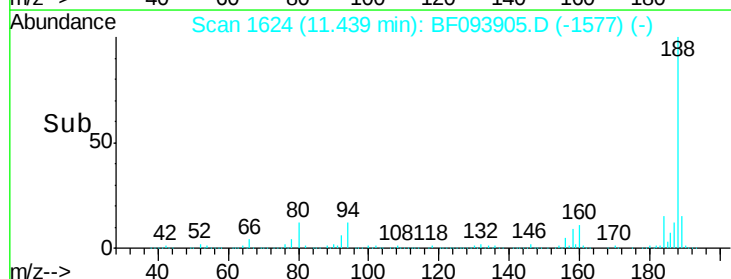
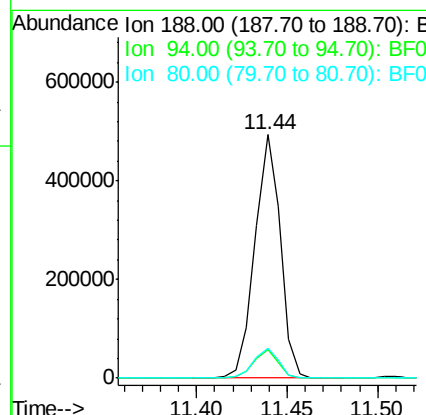
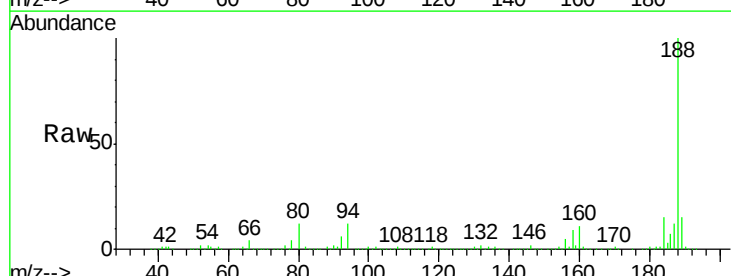
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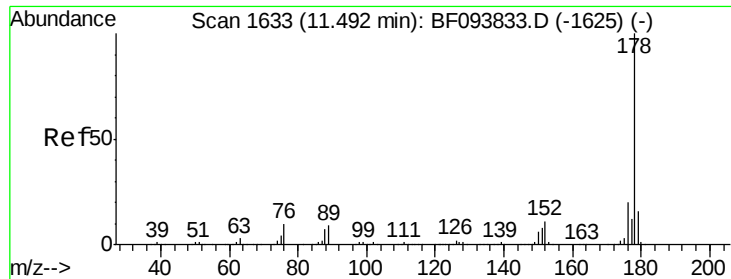
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1624
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	481671		
94	11.6	9.4	14.2	
80	12.2	10.2	15.2	





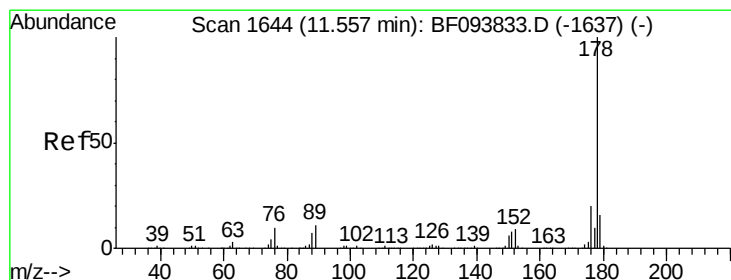
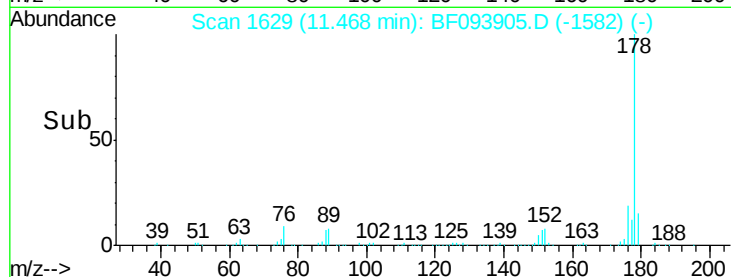
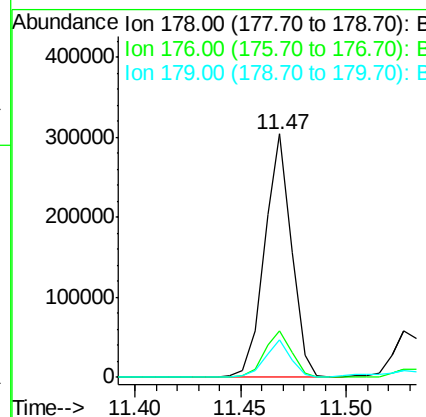
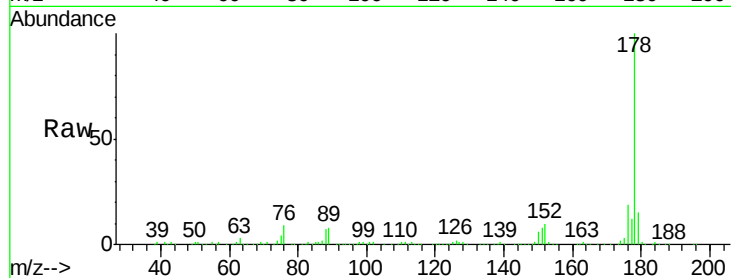
#70
Phenanthrene
Concen: 10.08 ng
RT: 11.47 min Scan# 1629
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-7-8-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.4	12.6	19.0

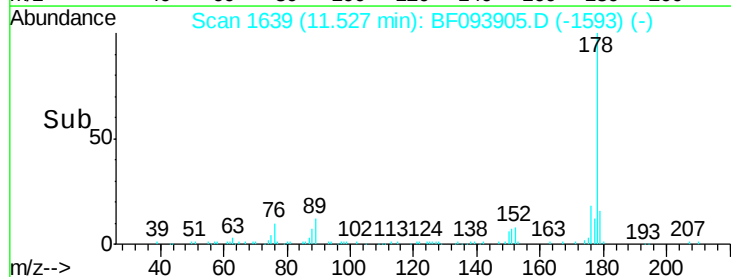
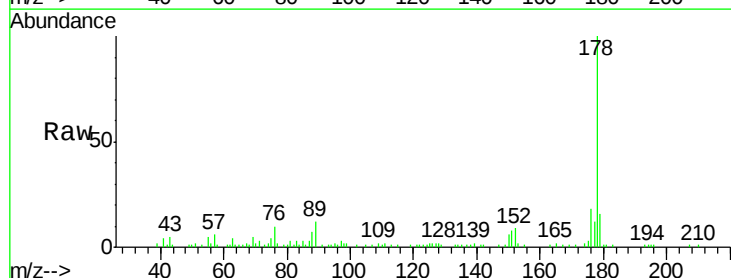
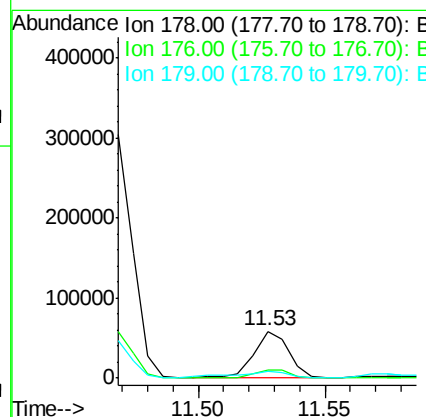
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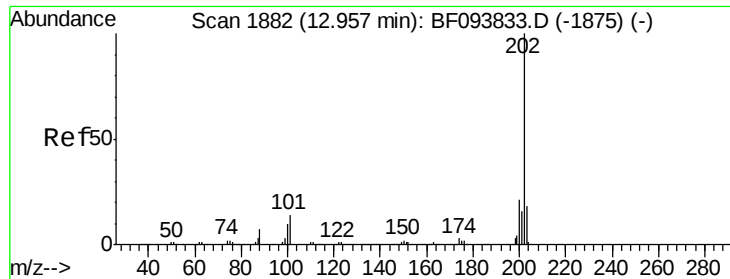
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#71
Anthracene
Concen: 2.02 ng
RT: 11.53 min Scan# 1639
Delta R.T. -0.03 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.6	12.7	19.1





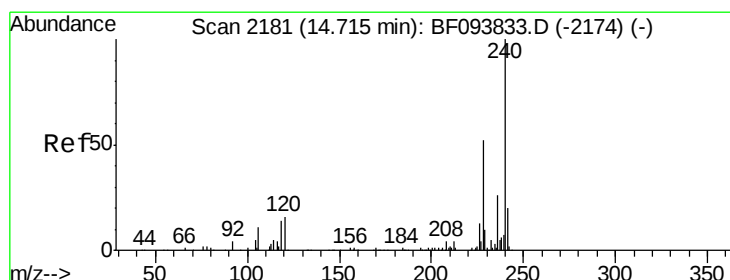
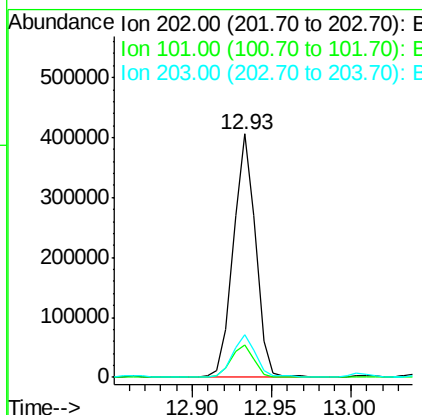
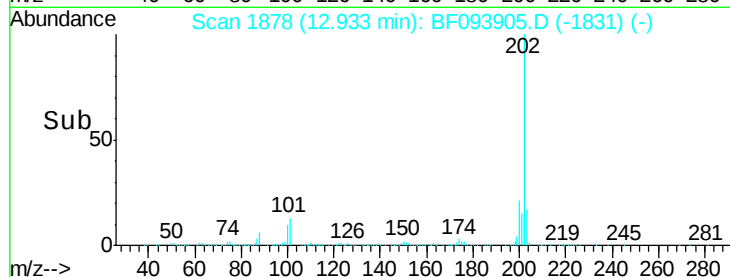
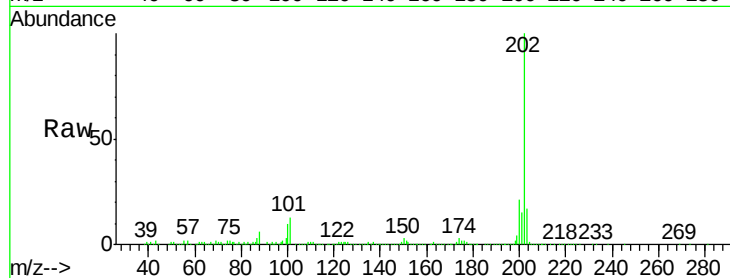
#74
Fluoranthene
Concen: 14.30 ng
RT: 12.93 min Scan# 1878
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-7-8-BASE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.5	0.0	38.1

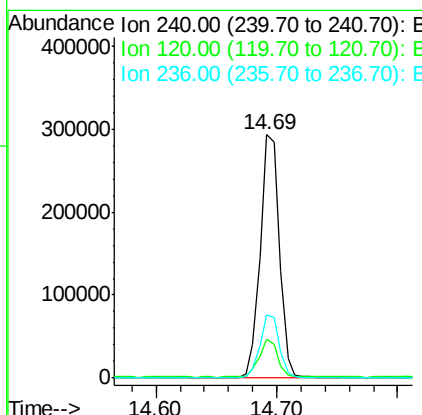
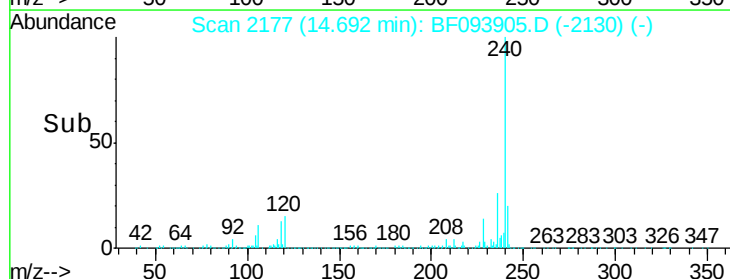
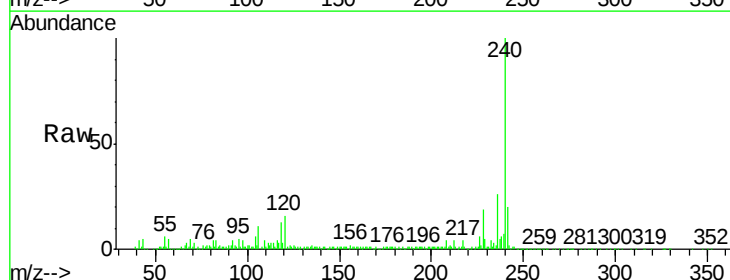
Manual Integrations
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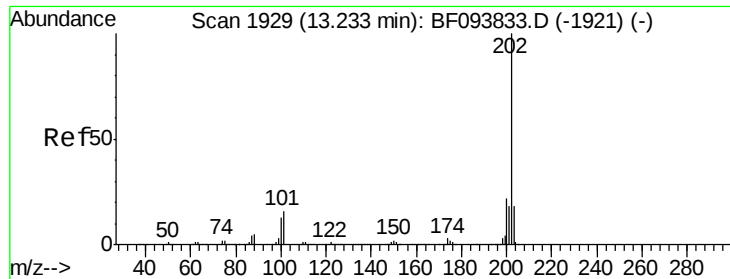
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.69 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.9	5.8	8.8#
236	25.8	20.5	30.7





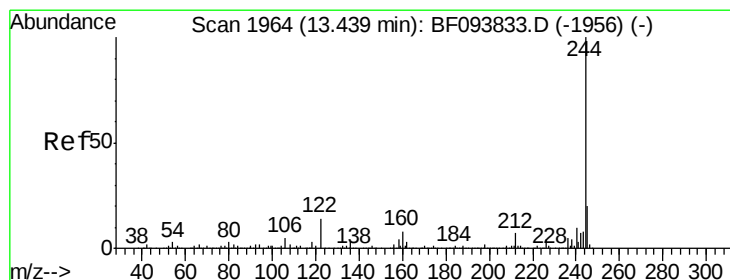
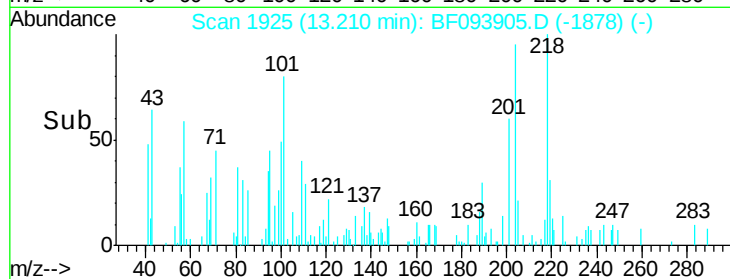
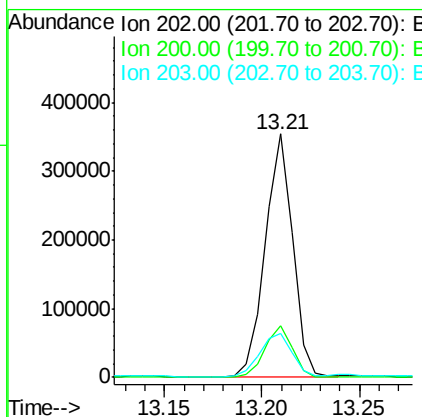
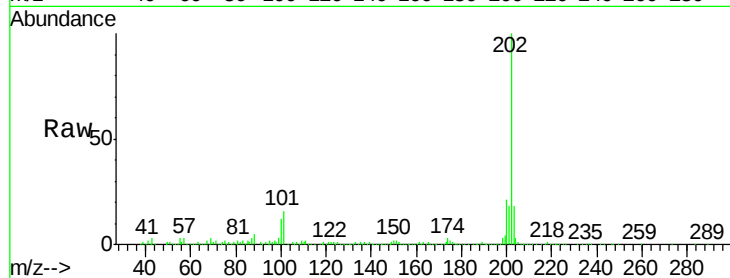
#77
Pvrene
Concen: 14.45 ng
RT: 13.21 min Scan# 1925
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-7-8-BASE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.3	14.4	21.6

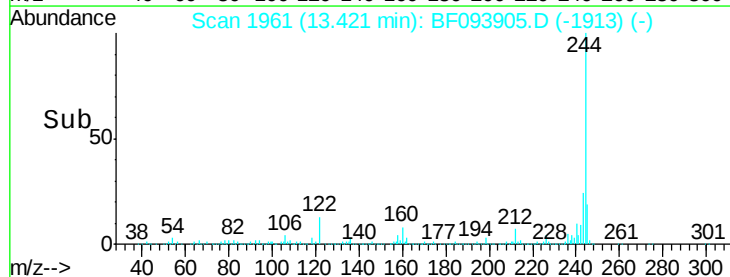
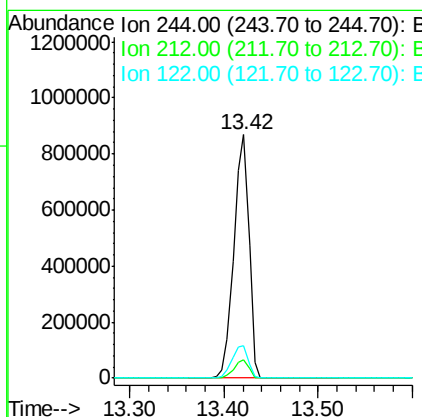
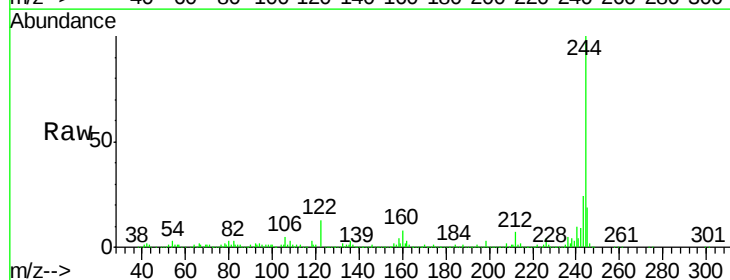
Manual Integrations
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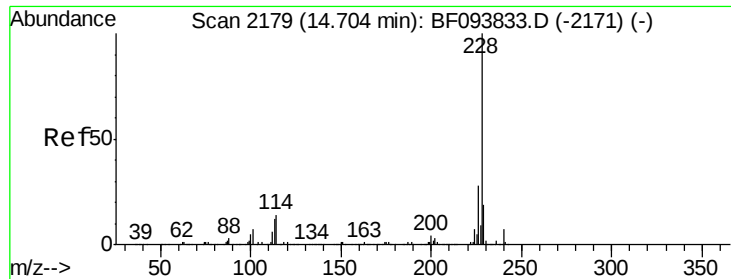
mohammad
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#78
Terphenyl-d14
Concen: 65.56 ng
RT: 13.42 min Scan# 1961
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	13.5	10.3	15.5





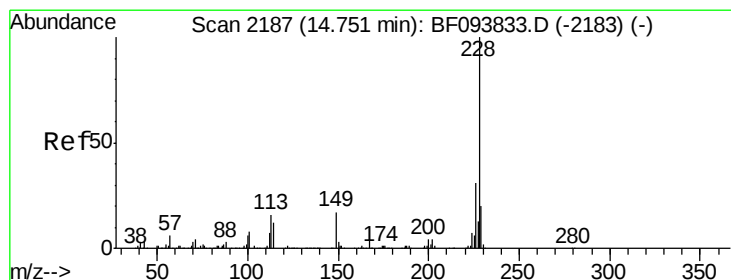
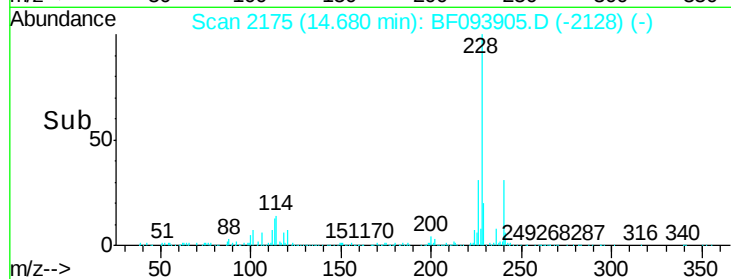
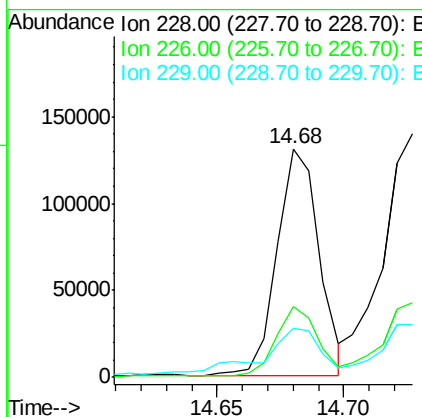
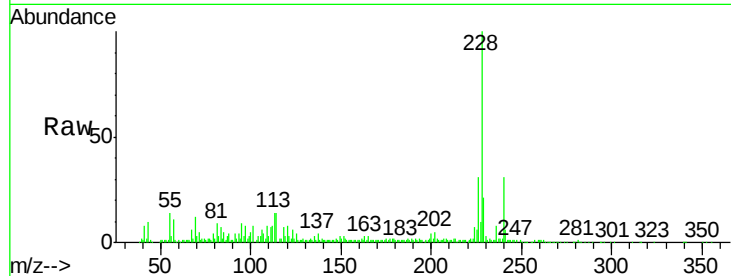
#80
Benzo(a)anthracene
Concen: 7.83 ng
RT: 14.68 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-7-8-BASE

Tot Ion:	228	Resp:	150679
Ion Ratio	Lower	Upper	
228	100		
226	31.1	22.6	33.8
229	21.3	16.3	24.5

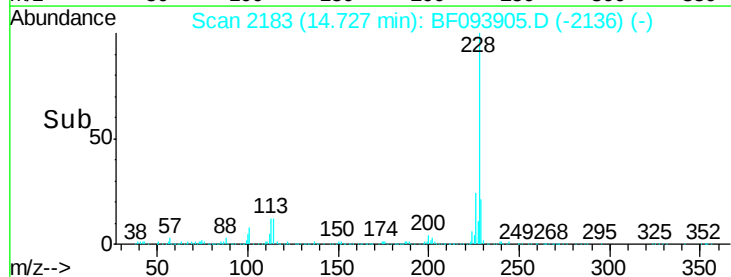
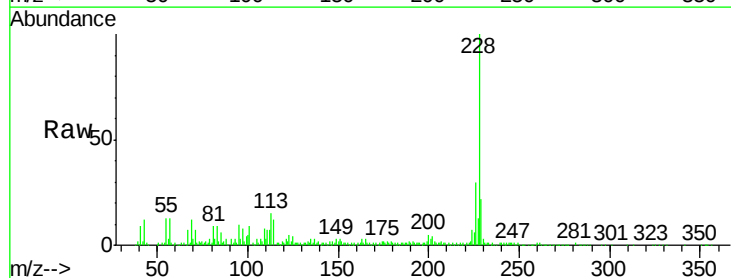
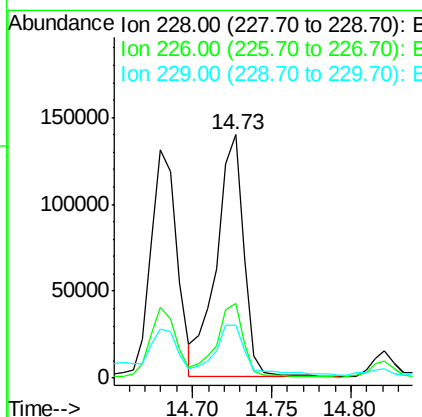
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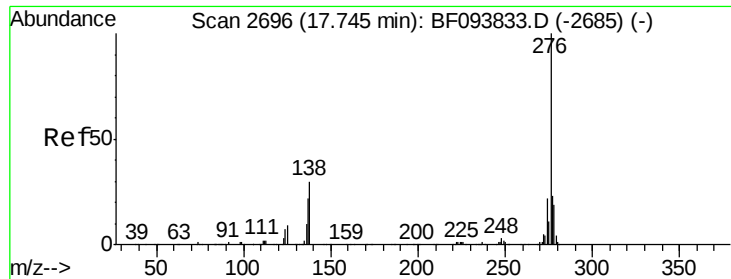
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#82
Chrysene
Concen: 9.36 ng
RT: 14.73 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Tgt Ion:	228	Resp:	167214
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	21.8	15.8	23.6





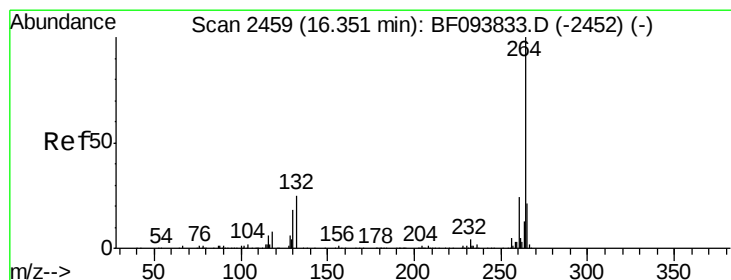
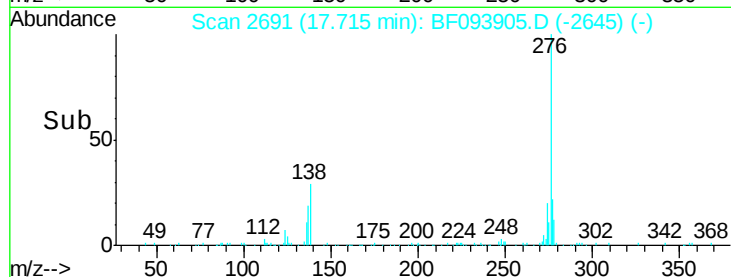
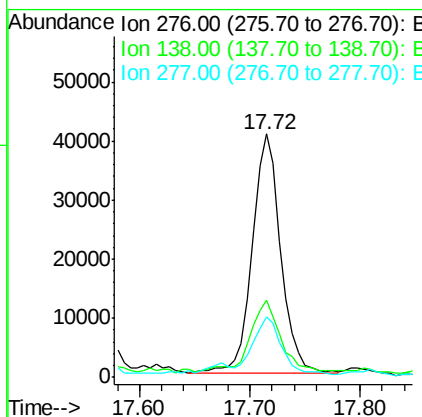
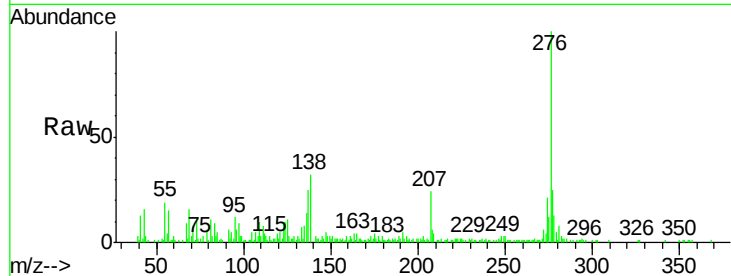
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.72 ng
RT: 17.72 min Scan# 2691
Delta R.T. -0.03 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-7-8-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.5	27.8	41.6
277	24.0	20.2	30.4

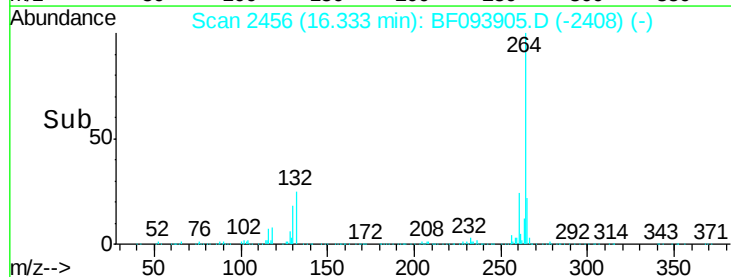
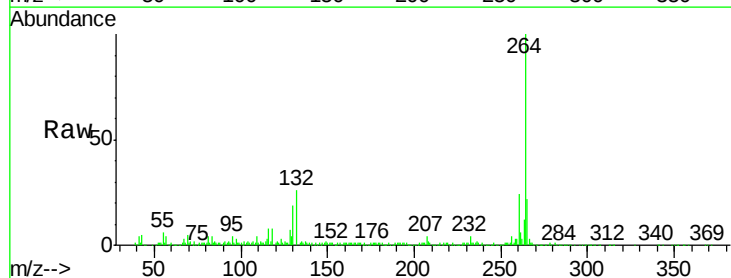
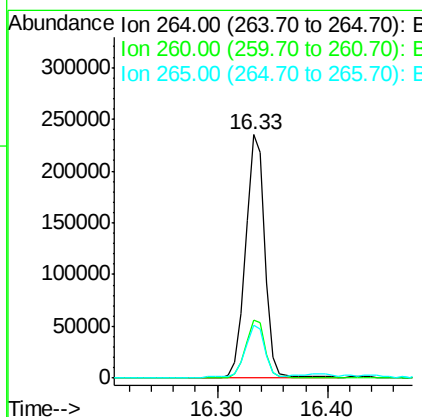
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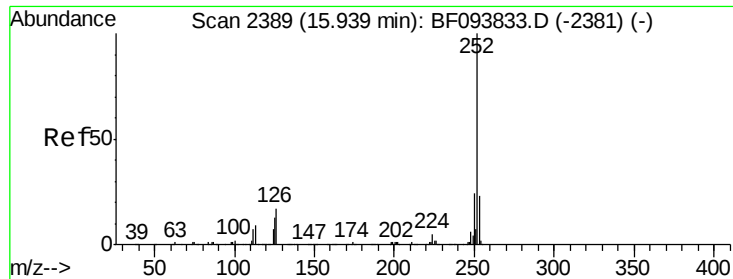
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 16.33 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 10.37 ng m

RT: 15.92 min Scan# 2385

Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Instrument :

BNA_F

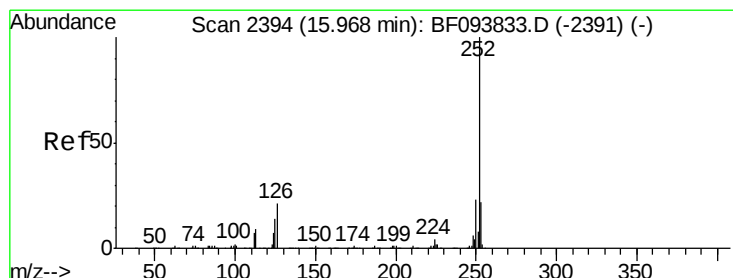
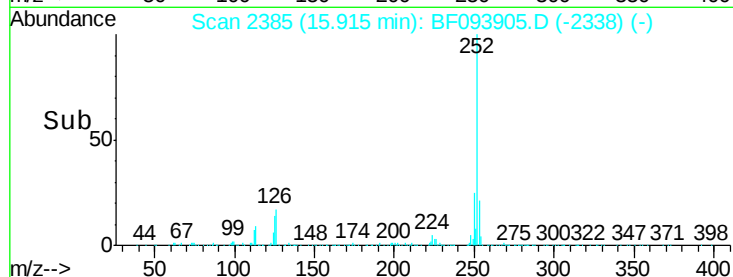
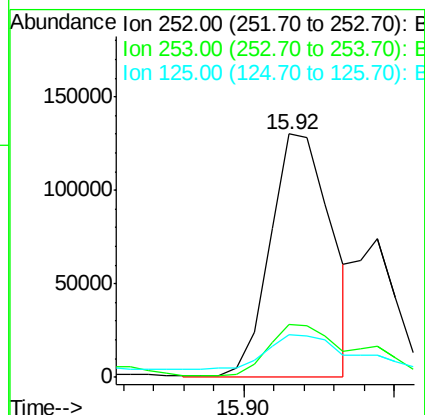
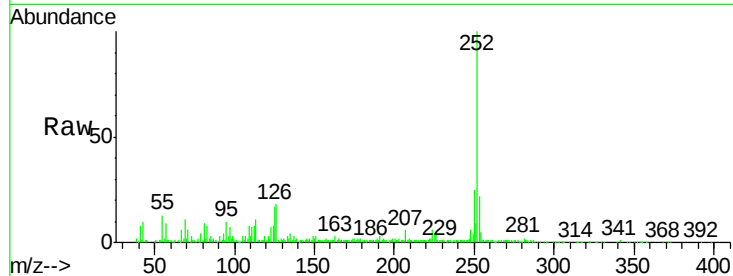
ClientSampleId :

E2-CC-DD-7-8-BASE

Tot Ion:	252	Resp:	183986
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.1	27.1
125	17.3	9.8	14.8#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.07 ng m

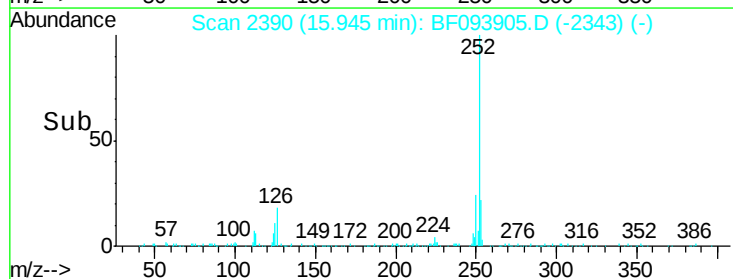
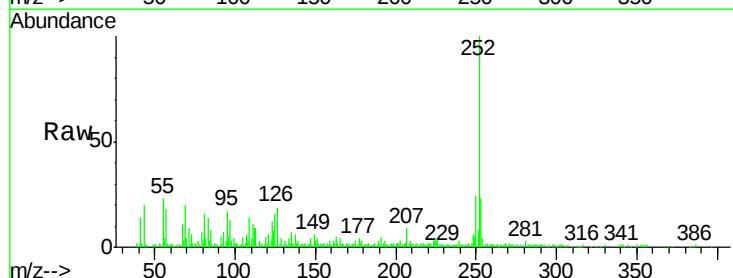
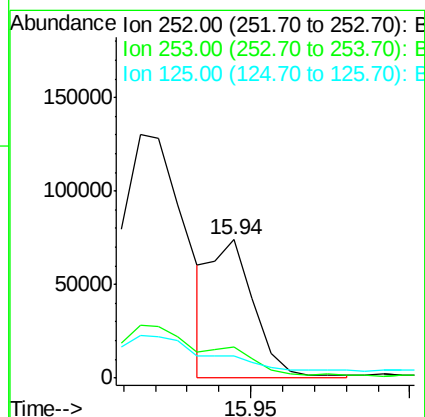
RT: 15.94 min Scan# 2390

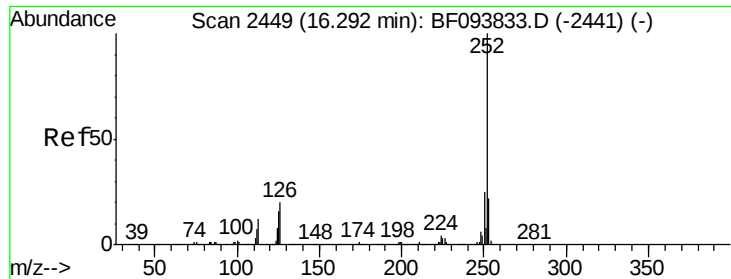
Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Tgt Ion:	252	Resp:	70713
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.4	27.6
125	16.3	13.1	19.7





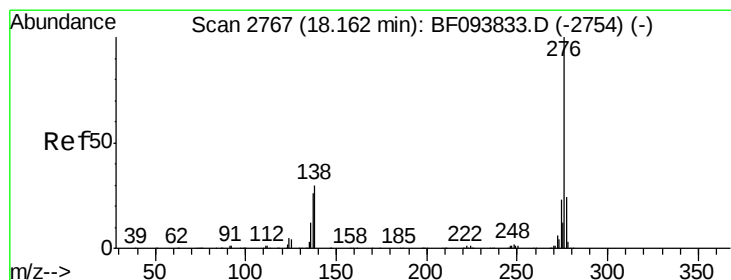
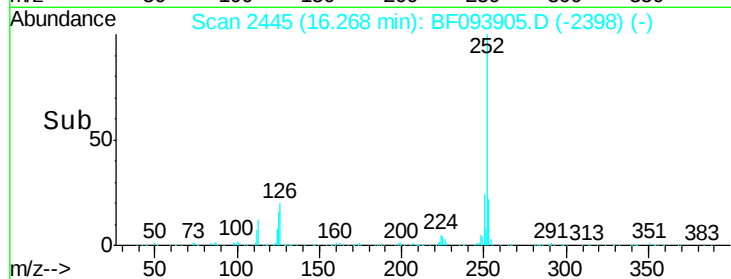
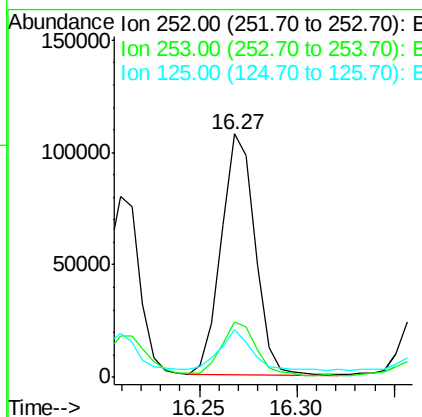
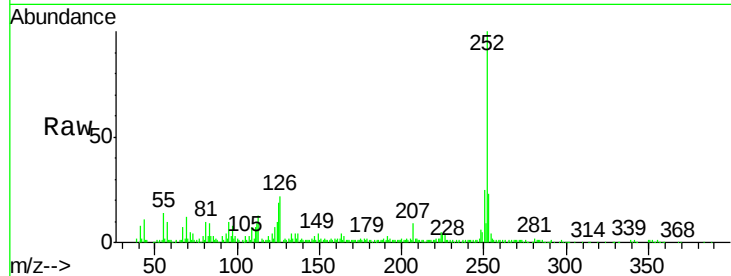
#89
Benzo(a)pyrene
Concen: 7.87 ng
RT: 16.27 min Scan# 2445
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-7-8-BASE

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.7	17.5	26.3
125	19.4	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.64 ng
RT: 18.12 min Scan# 2760
Delta R.T. -0.04 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	26.4	18.6	28.0
138	35.3	25.4	38.0

