

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
 Data File : BF095546.D
 Acq On : 30 May 2017 20:57
 Operator : SJ/MA
 Sample : I3302-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM16-COMP-6-18

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Quant Time: May 31 04:31:24 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	94595	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	362544	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	143030	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	210903	20.00	ng	0.00
75) Chrysene-d12	18.67	240	214443	20.00	ng	0.00
86) Perylene-d12	20.35	264	150417	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	629236	110.90	ng	0.00
7) Phenol-d6	7.29	99	714137	104.90	ng	0.00
23) Nitrobenzene-d5	8.64	82	372937	64.87	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	106935	91.29	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	686224	69.06	ng	0.00
78) Terphenyl-d14	17.31	244	405722	41.67	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	12.24	163	96973	8.26	ng	100
70) Phenanthrene	15.04	178	38266	3.16	ng	96
74) Fluoranthene	16.78	202	85248	6.86	ng	99
77) Pyrene	17.09	202	81368	5.07	ng	97
80) Benzo(a)anthracene	18.66	228	39167m	3.14	ng	
82) Chrysene	18.71	228	45144	3.74	ng	98
87) Benzo(b)fluoranthene	19.95	252	42089m	4.53	ng	
89) Benzo(a)pyrene	20.30	252	30162	3.52	ng	94
91) Benzo(g,h,i)perylene	22.09	276	16266	2.34	ng	96

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

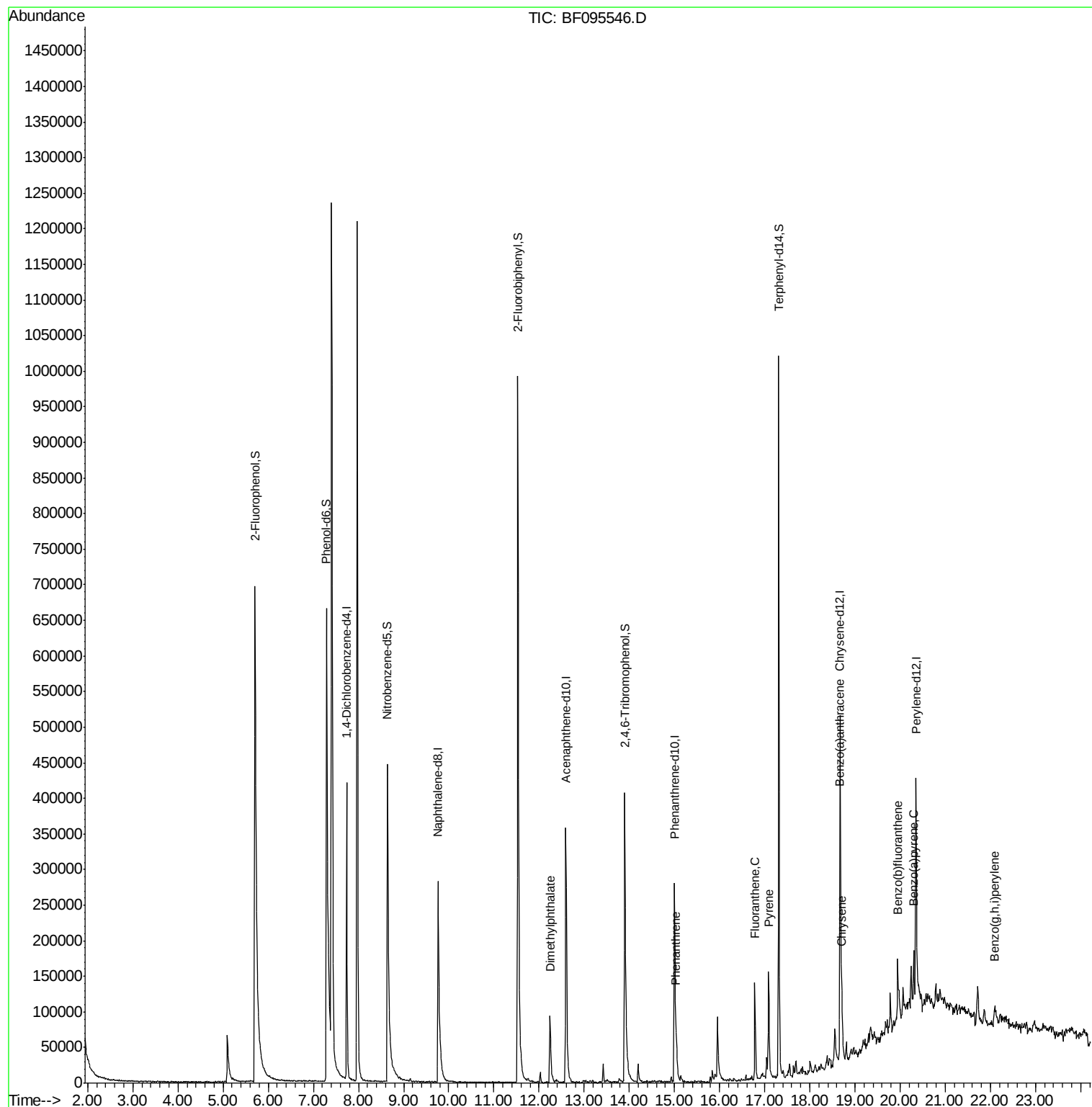
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
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Operator : SJ/MA
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Misc :
ALS Vial : 17 Sample Multiplier: 1

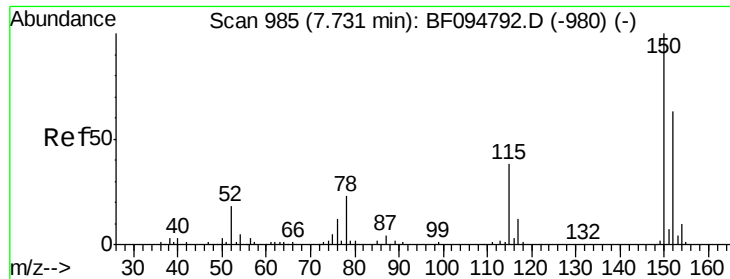
Instrument :
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ClientSampleId :
NM16-COMP-6-18

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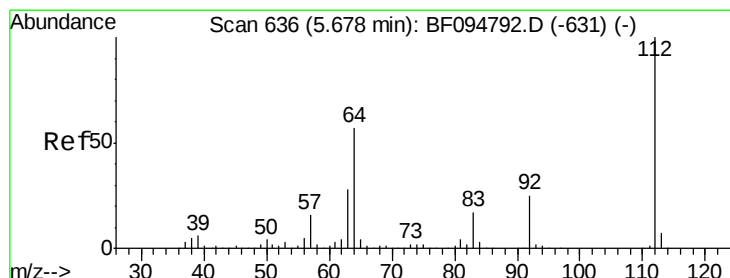
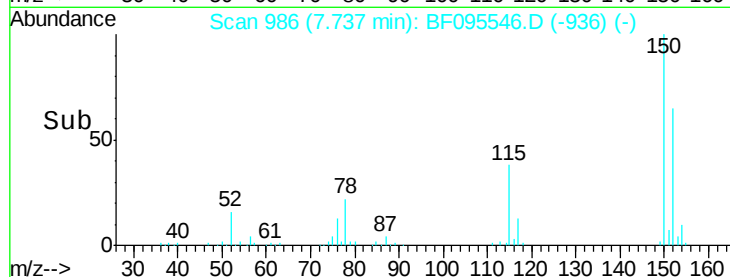
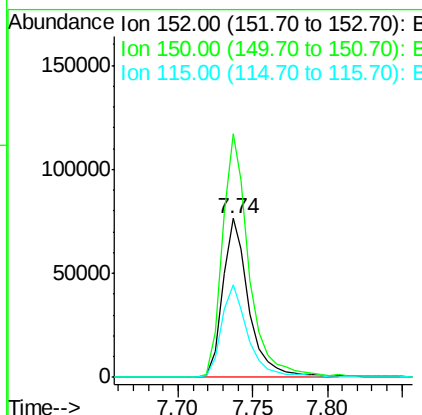
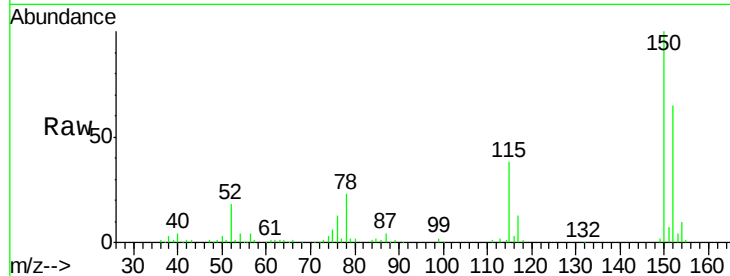
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.74 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Instrument :
 BNA_F
 ClientSampleId :
 NM16-COMP-6-18

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.2	126.2	189.2
115	57.9	52.2	78.2

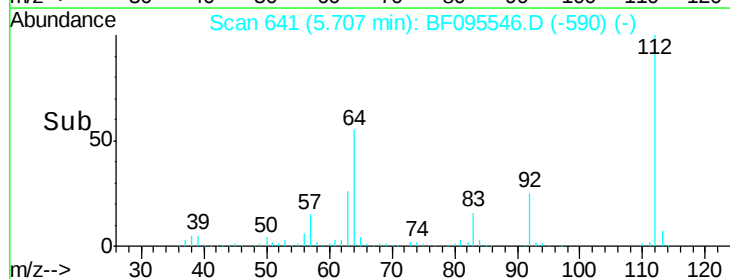
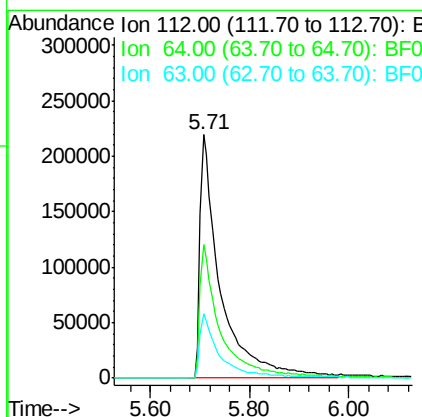
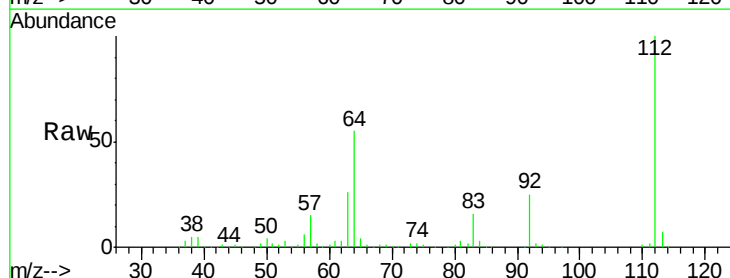
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#5
 2-Fluorophenol
 Concen: 110.90 ng
 RT: 5.71 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	46.0	69.0
63	26.4	23.4	35.0





#7

Phenol-d6

Concen: 104.90 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

Instrument :

BNA_F

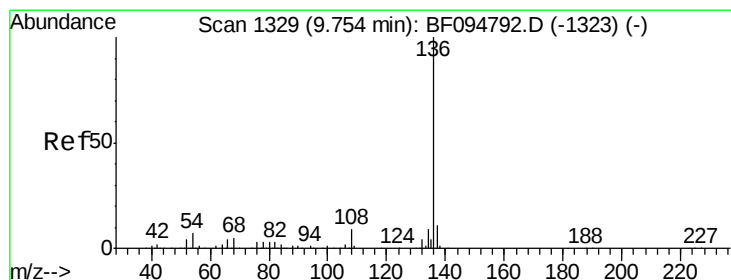
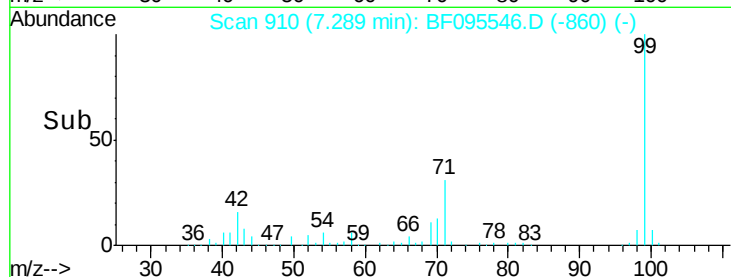
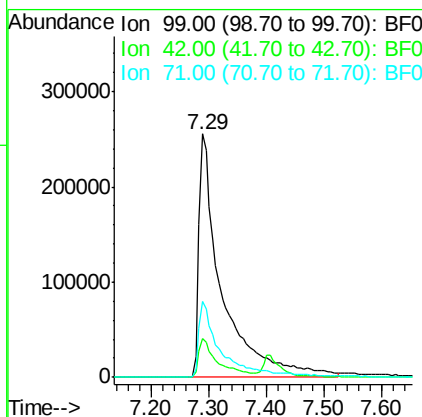
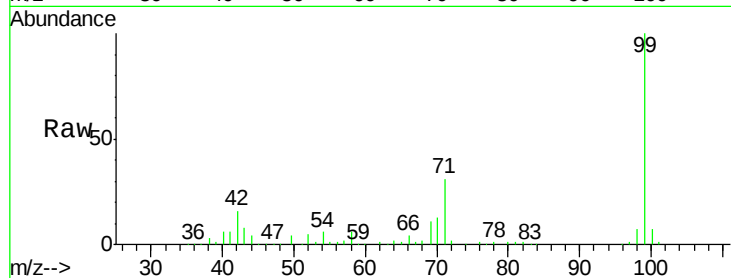
ClientSampleId :

NM16-COMP-6-18

Tgt Ion:	99	Resp:	714137
Ion Ratio	Lower	Upper	
99	100		
42	15.9	13.5	20.3
71	31.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

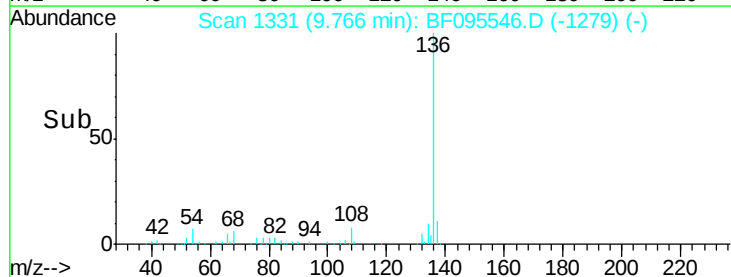
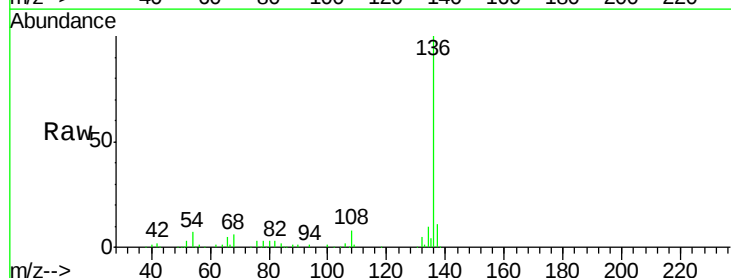
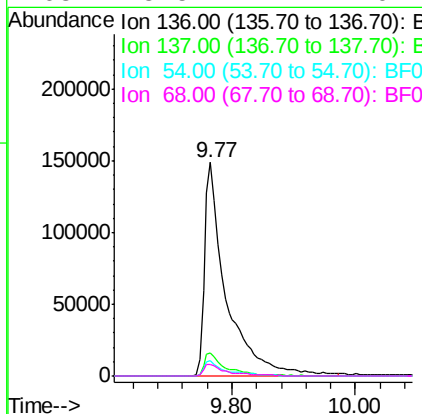
RT: 9.77 min Scan# 1331

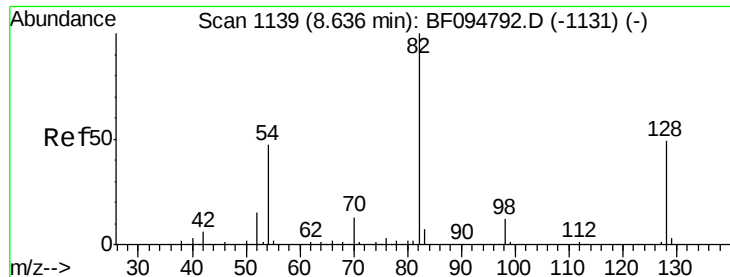
Delta R.T. 0.01 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

Tgt Ion:	136	Resp:	362544
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	7.2	4.9	7.3
68	5.5	4.1	6.1





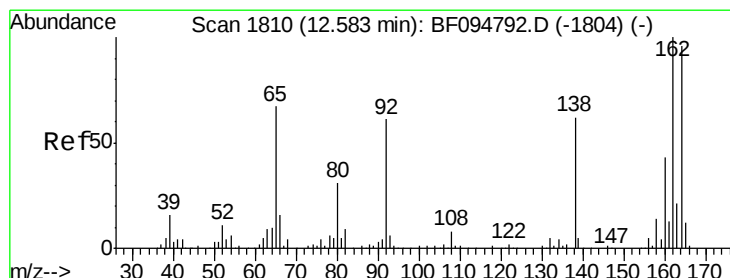
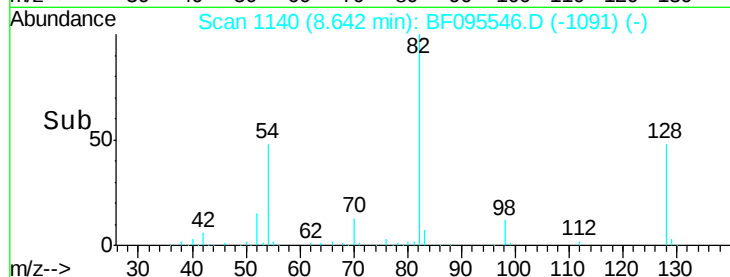
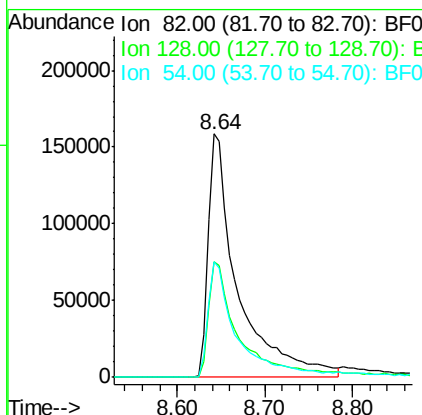
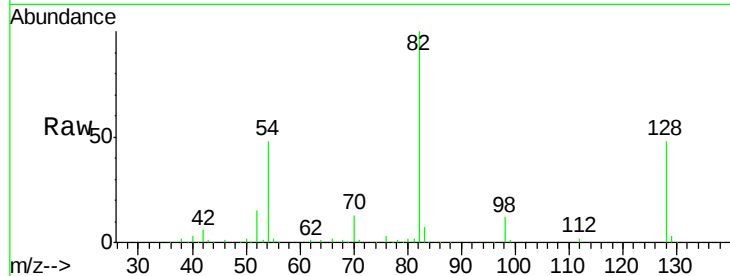
#23
 Nitrobenzene-d5
 Concen: 64.87 ng
 RT: 8.64 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.7	34.0	51.0
54	47.6	42.2	63.2

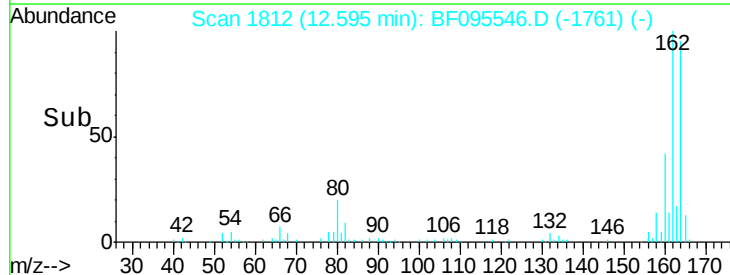
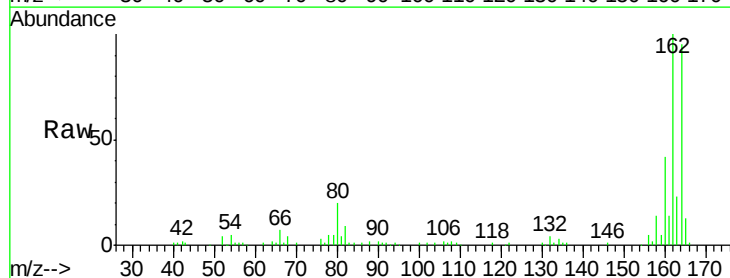
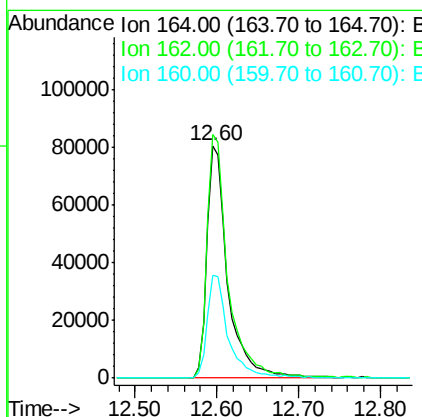
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.60 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	82.6	123.8
160	44.3	36.2	54.2





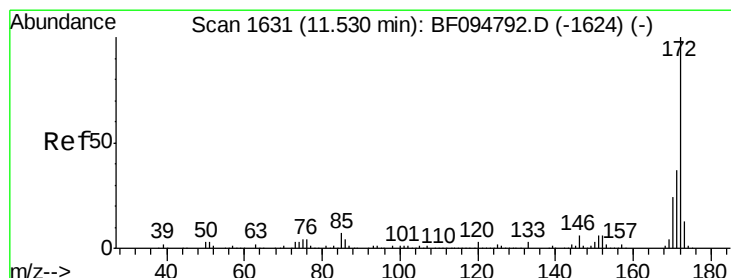
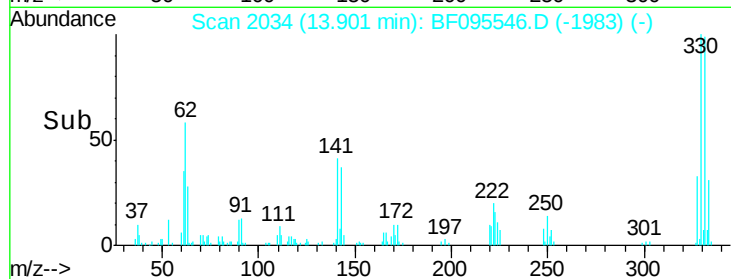
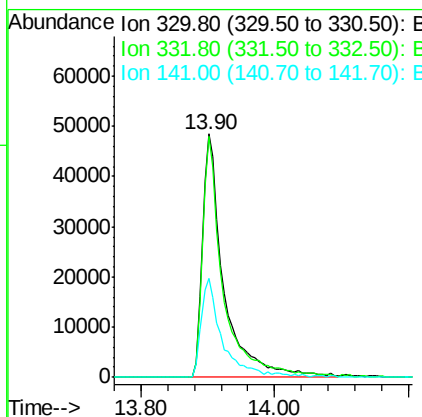
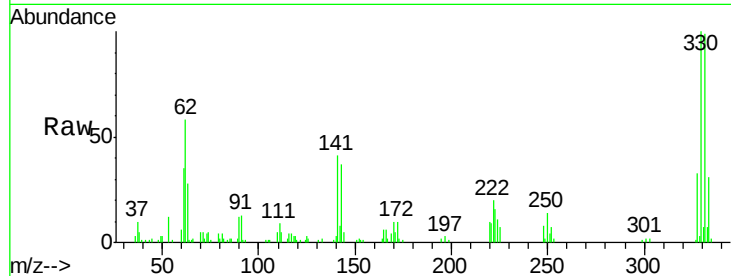
#41
 2,4,6-Tribromophenol
 Concen: 91.29 ng
 RT: 13.90 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Instrument :
 BNA_F
 ClientSampleId :
 NM16-COMP-6-18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	106935		
332	95.2	76.6	115.0	
141	38.3	31.4	47.2	

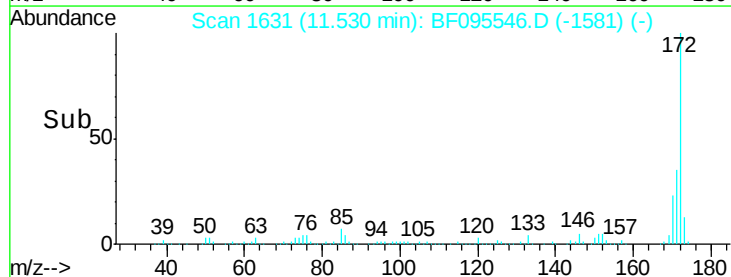
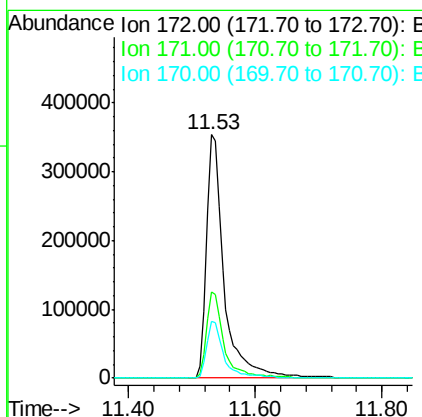
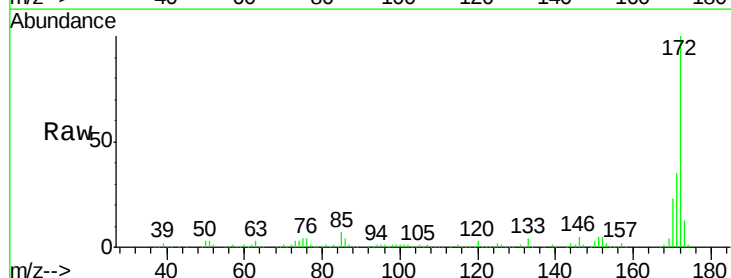
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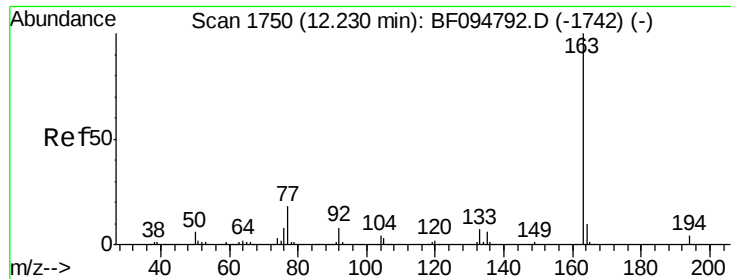
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#44
 2-Fluorobiphenyl
 Concen: 69.06 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	686224		
171	35.3	29.6	44.4	
170	23.2	19.8	29.8	





#49

Dimethylphthalate

Concen: 8.26 ng

RT: 12.24 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

Instrument :

BNA_F

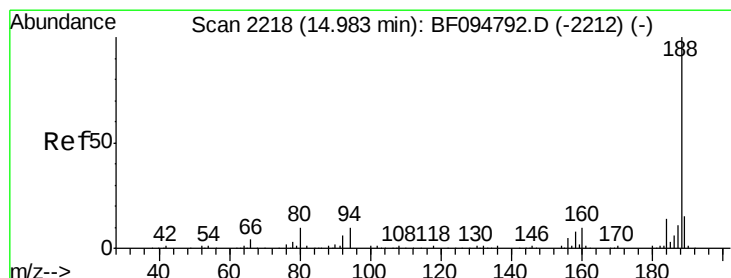
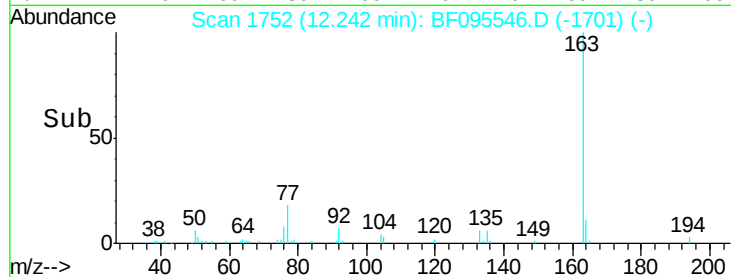
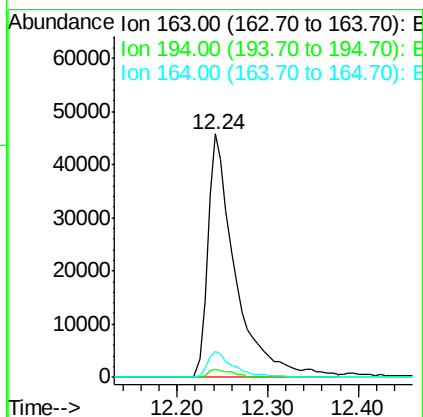
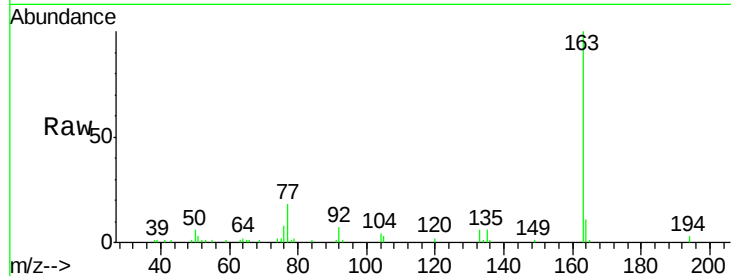
ClientSampleId :

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Tgt Ion:	163	Resp:	96973
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.6	4.0
164	10.7	8.4	12.6

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#63

Phenanthrene-d10

Concen: 20.00 ng

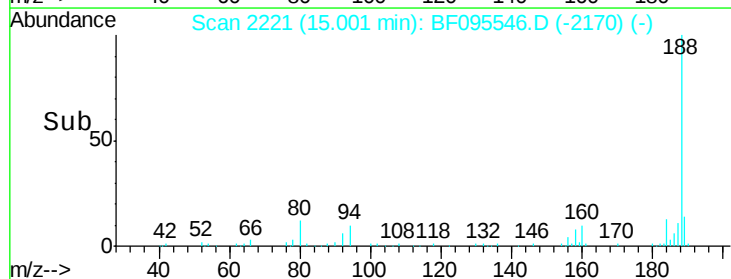
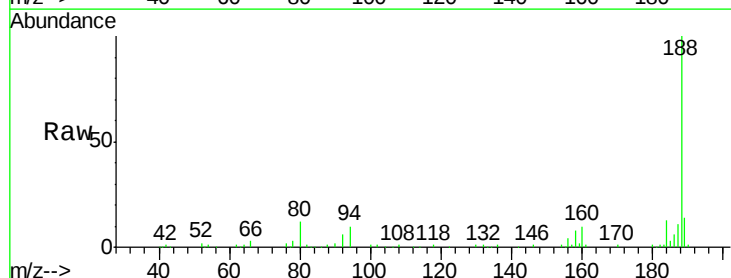
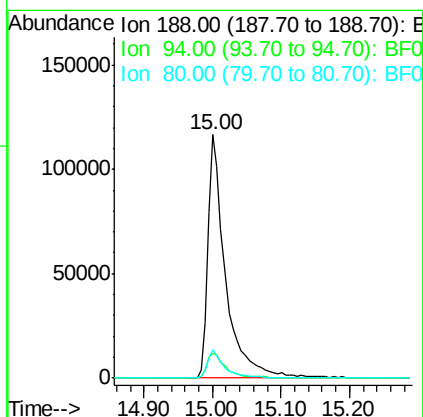
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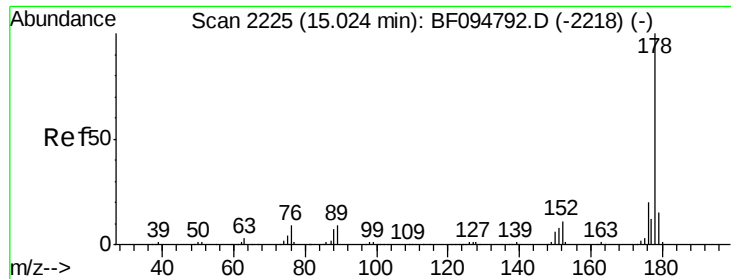
Delta R.T. 0.00 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

Tgt Ion:	188	Resp:	210903
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.4	14.2
80	11.8	10.2	15.2





#70

Phenanthrene

Concen: 3.16 ng

RT: 15.04 min Scan# 2228

Delta R.T. 0.00 min

Lab File: BF095546.D

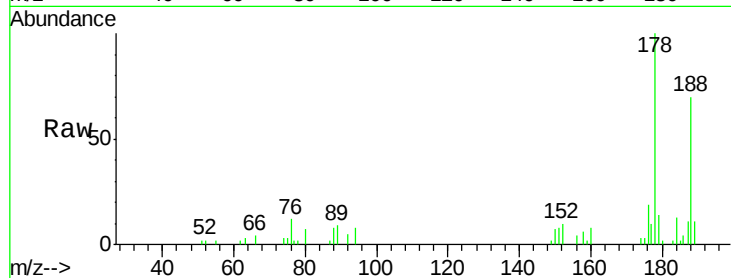
Acq: 30 May 2017 20:57

Instrument :

BNA_F

ClientSampleId :

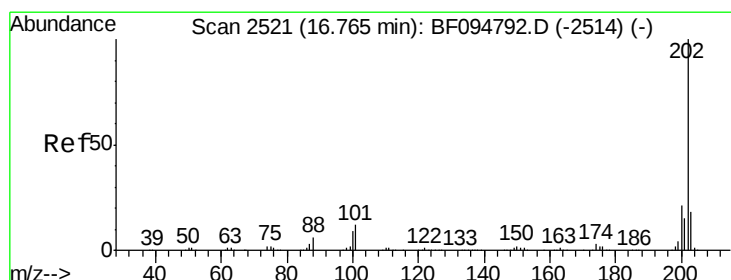
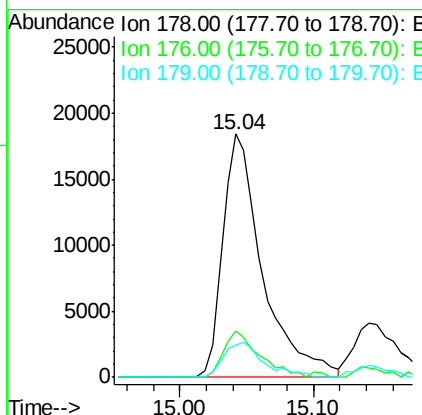
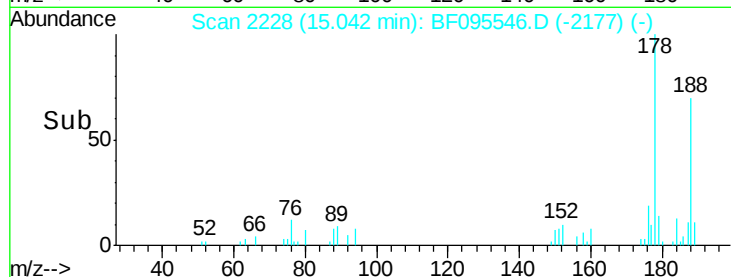
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Tgt Ion:	178	Resp:	38266
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.2	24.4
179	13.5	12.6	19.0

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#74

Fluoranthene

Concen: 6.86 ng

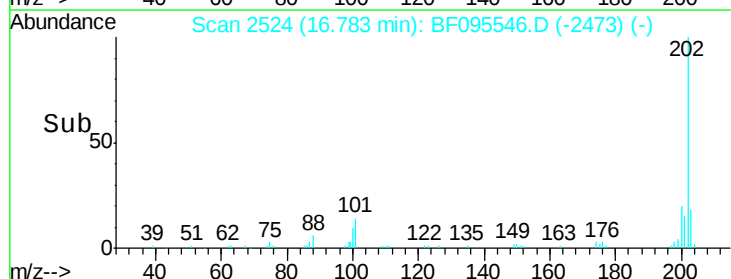
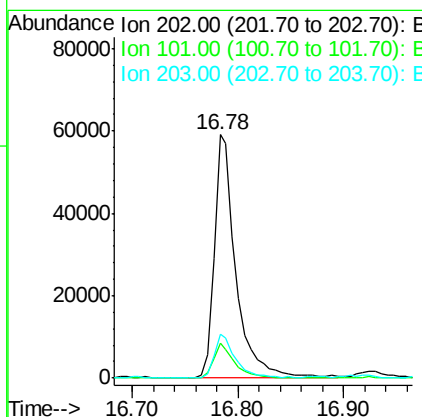
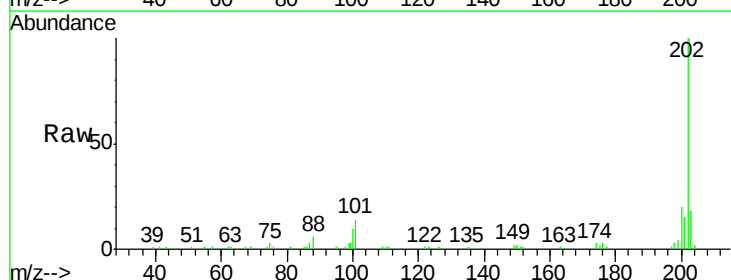
RT: 16.78 min Scan# 2524

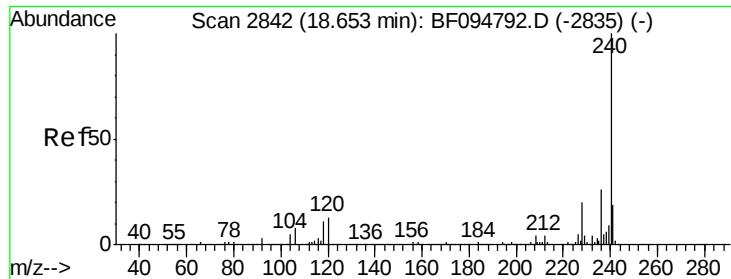
Delta R.T. 0.00 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

Tgt Ion:	202	Resp:	85248
Ion Ratio	Lower	Upper	
202	100		
101	14.4	0.0	33.2
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

Instrument :

BNA_F

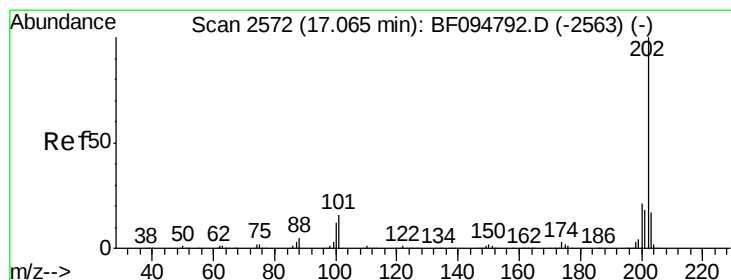
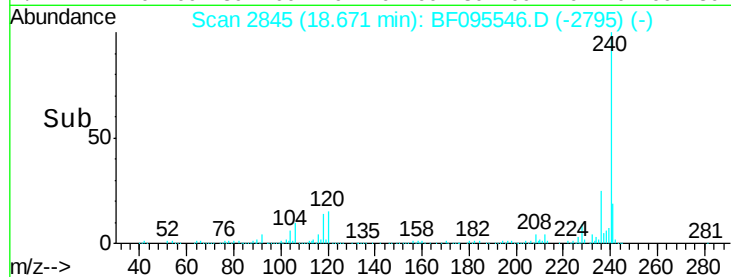
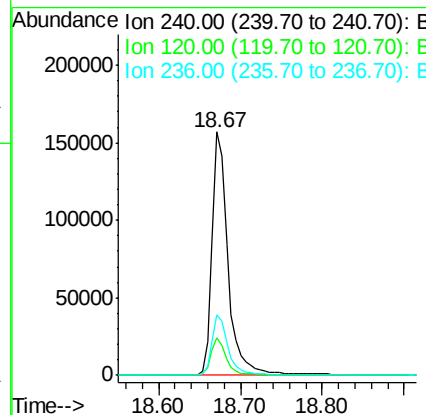
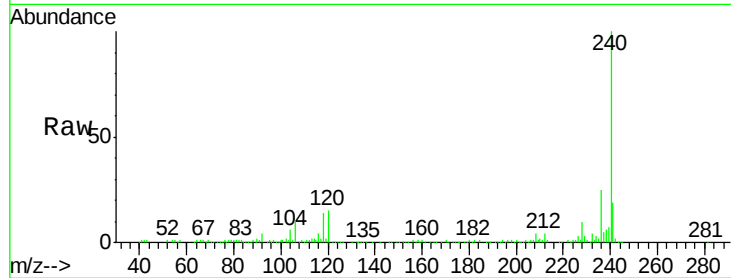
ClientSampleId :

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Tgt Ion:240 Resp: 214443
 Ion Ratio Lower Upper
 240 100
 120 15.2 5.8 8.8#
 236 24.9 20.5 30.7

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#77

Pyrene

Concen: 5.07 ng

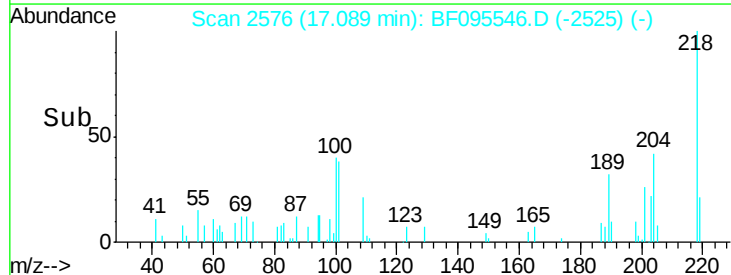
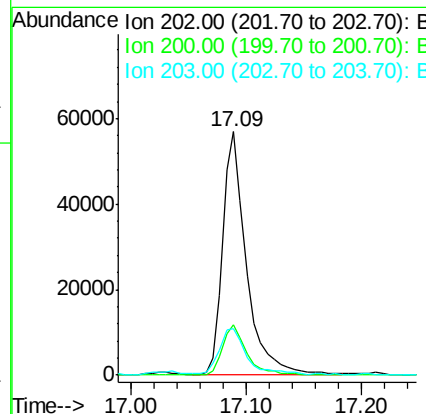
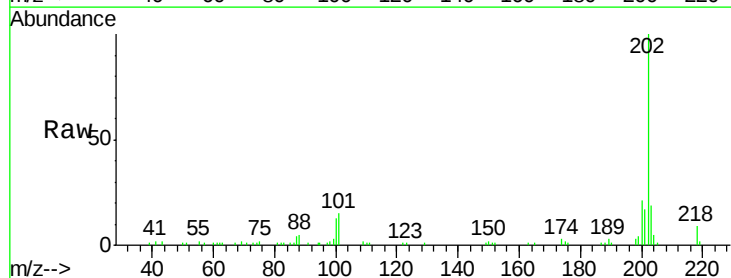
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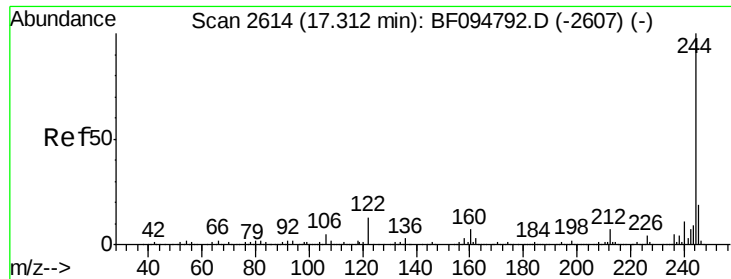
Delta R.T. 0.00 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

Tgt Ion:202 Resp: 81368
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.6 26.4
 203 18.8 14.4 21.6





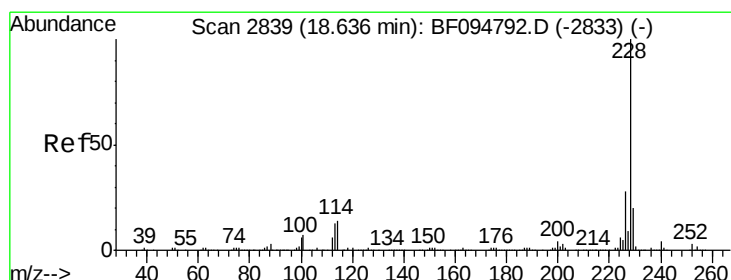
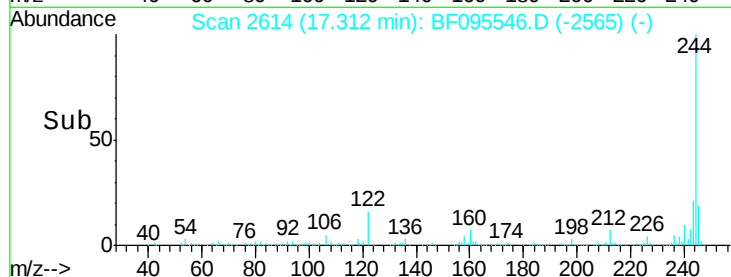
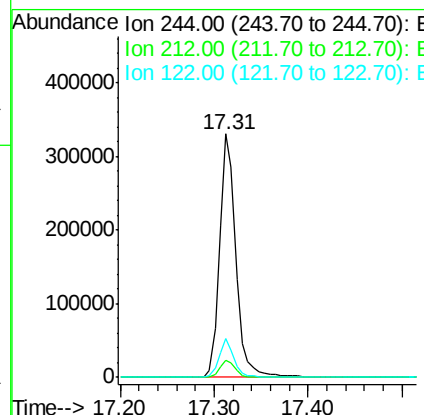
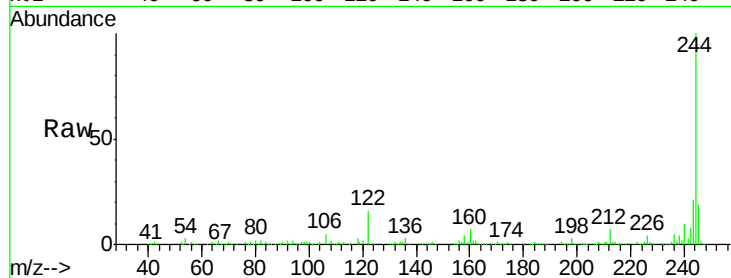
#78
 Terphenyl-d14
 Concen: 41.67 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Instrument :
 BNA_F
 ClientSampleId :
 NM16-COMP-6-18

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	405722		
212	6.9	6.0	9.0	
122	15.8	10.3	15.5	

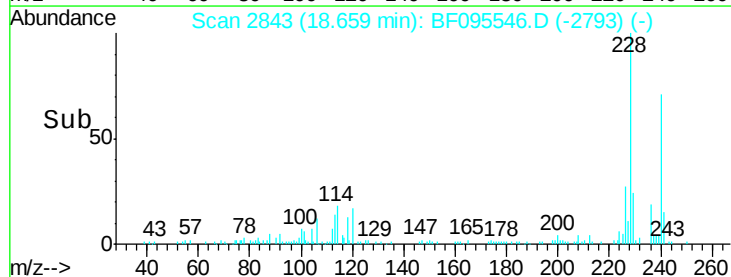
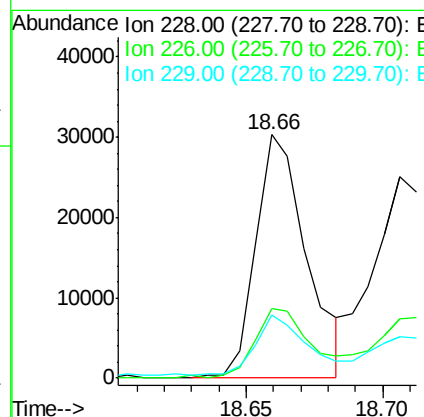
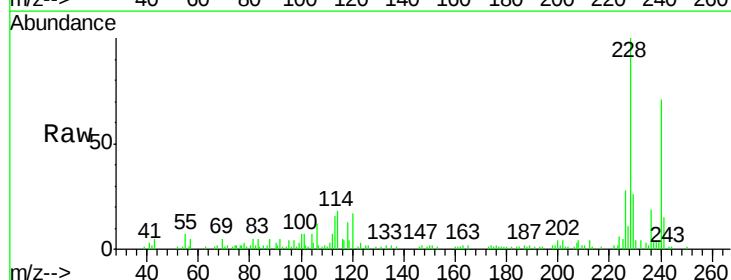
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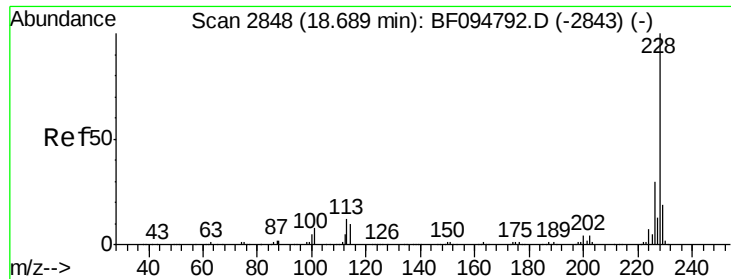
mohammad
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#80
 Benzo(a)anthracene
 Concen: 3.14 ng m
 RT: 18.66 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BF095546.D
 Acq: 30 May 2017 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	39167		
226	28.4	22.6	33.8	
229	25.7	16.3	24.5	





#82

Chrysene

Concen: 3.74 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

Instrument :

BNA_F

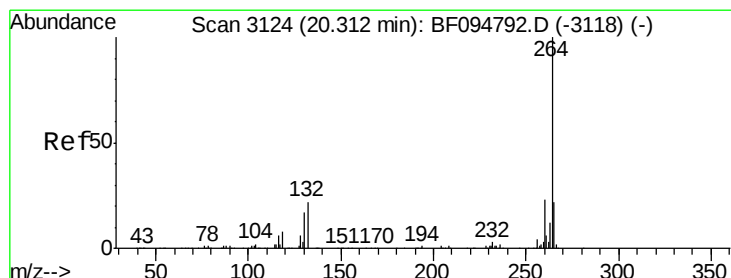
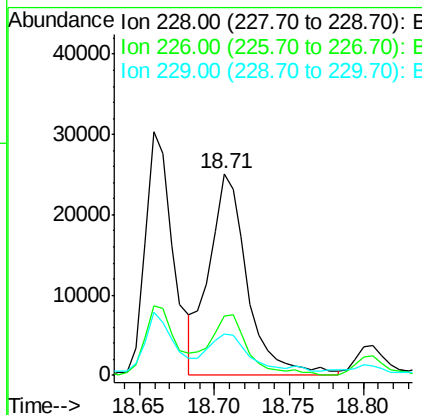
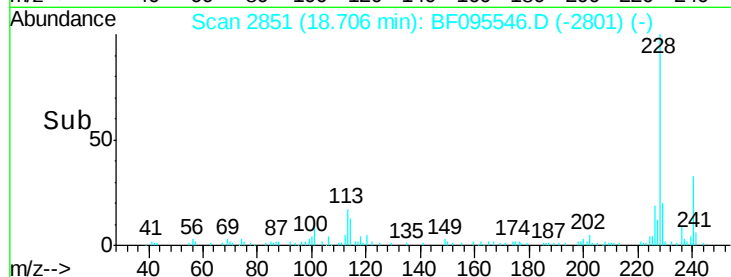
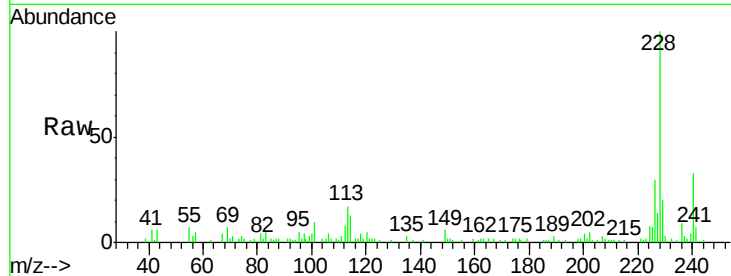
ClientSampleId :

NM16-COMP-6-18

Tgt Ion:	228	Resp:	45144
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.9	37.3
229	20.4	15.8	23.6

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#86

Perylene-d12

Concen: 20.00 ng

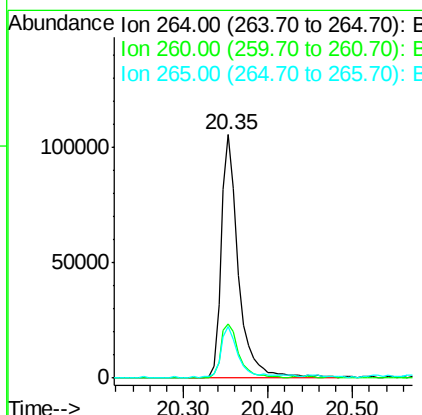
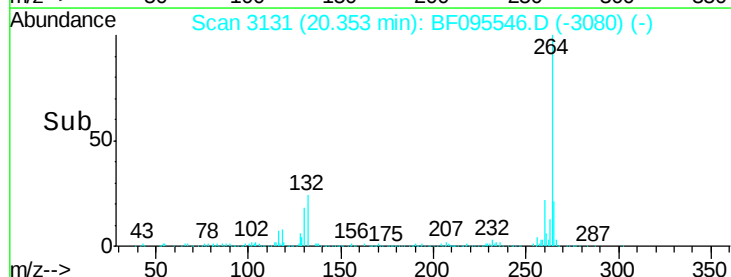
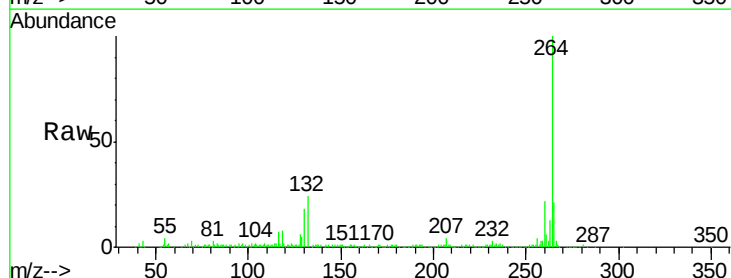
RT: 20.35 min Scan# 3131

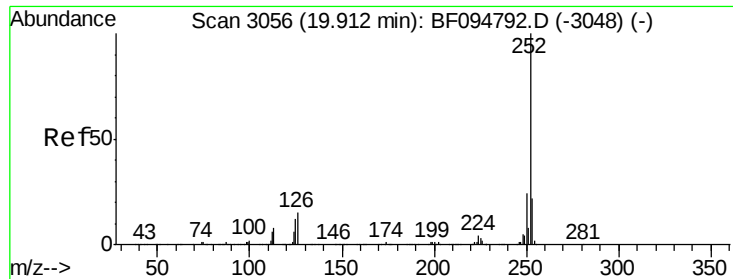
Delta R.T. 0.00 min

Lab File: BF095546.D

Acq: 30 May 2017 20:57

Tgt Ion:	264	Resp:	150417
Ion Ratio	Lower	Upper	
264	100		
260	22.4	19.5	29.3
265	21.0	17.2	25.8





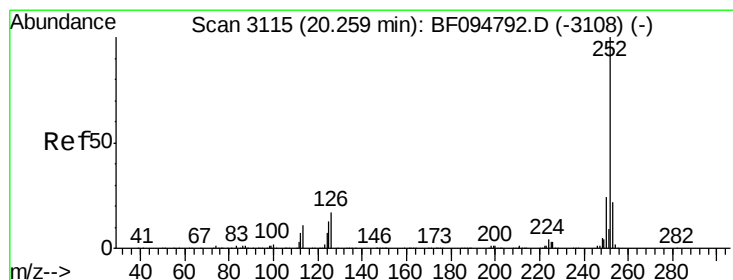
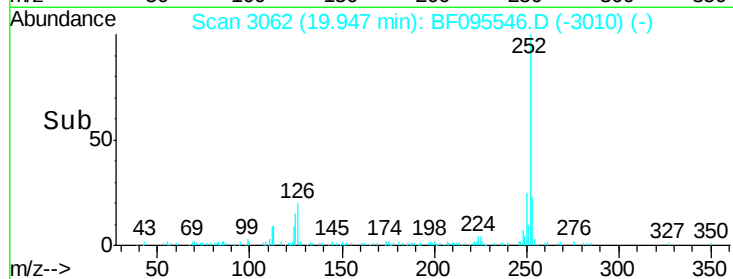
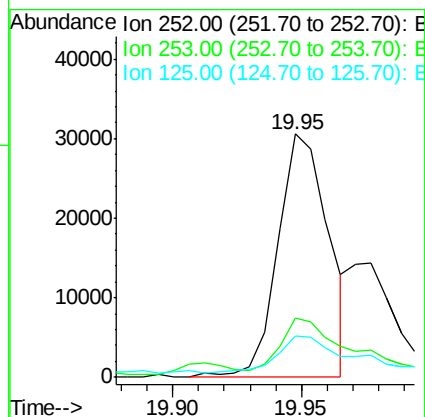
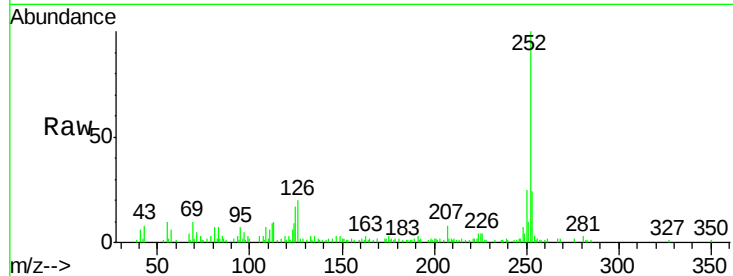
#87
Benzo(b)fluoranthene
Concen: 4.53 ng m
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095546.D
Acq: 30 May 2017 20:57

Instrument :
BNA_F
ClientSampleId :
NM16-COMP-6-18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	16.8	9.8	14.8

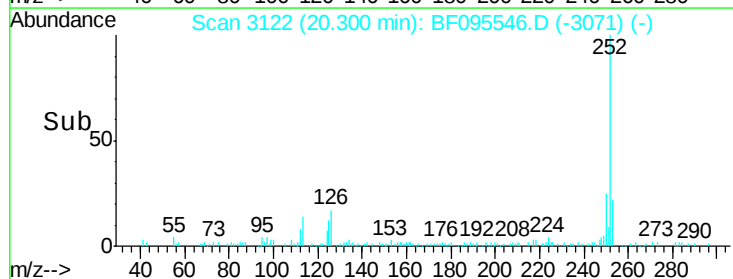
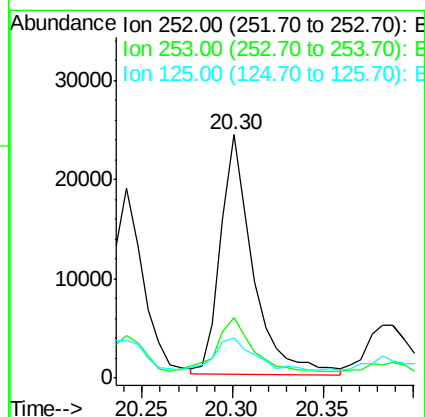
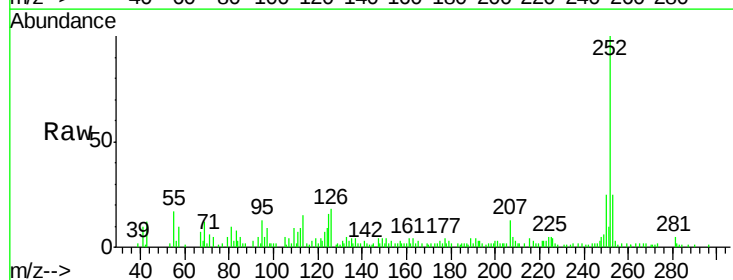
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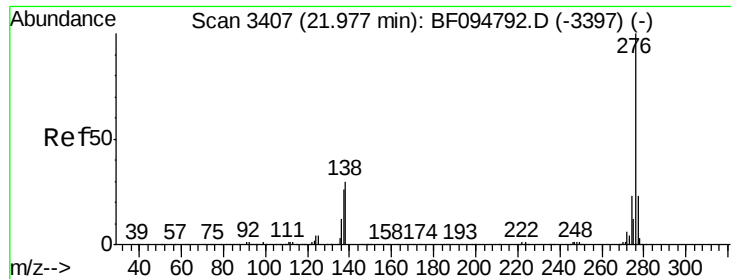
mohammad
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#89
Benzo(a)pyrene
Concen: 3.52 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095546.D
Acq: 30 May 2017 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	16.3	11.0	16.4





#91

Benzo(g,h,i)perylene

Concen: 2.34 ng

RT: 22.09 min Scan# 3427

Delta R.T. 0.02 min

Lab File: BF095546.D

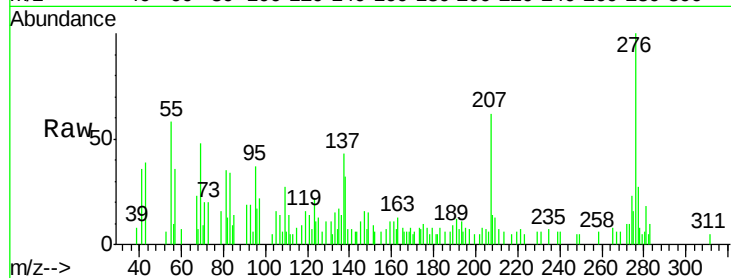
Acq: 30 May 2017 20:57

Instrument :

BNA_F

ClientSampleId :

NM16-COMP-6-18



Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.6	28.0
138	32.0	25.4	38.0

Manual Integrations
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