

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
 Data File : BF095732.D
 Acq On : 7 Jun 2017 3:27
 Operator : SJ/MA
 Sample : I3478-09 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 343-COMP

Manual Integrations
 APPROVED

mohammad
 6/7/2017 2:19:16 PM

Quant Time: Jun 07 04:46:26 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	71415	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	267726	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	102476	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	164871	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	142877	20.00	ng	-0.01
86) Perylene-d12	20.01	264	100116	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	75647	16.88	ng	0.00
7) Phenol-d6	6.95	99	99078	18.47	ng	0.00
23) Nitrobenzene-d5	8.30	82	50110	11.62	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	14924	16.46	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	115333	15.66	ng	-0.02
78) Terphenyl-d14	17.00	244	79914	13.88	ng	-0.02
Target Compounds						
74) Fluoranthene	16.45	202	24410	2.593	ng	98
77) Pyrene	16.75	202	23302	2.186	ng	97
87) Benzo(b)fluoranthene	19.61	252	17160m	2.737	ng	
91) Benzo(g,h,i)perylene	21.54	276	10139	2.035	ng	93

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

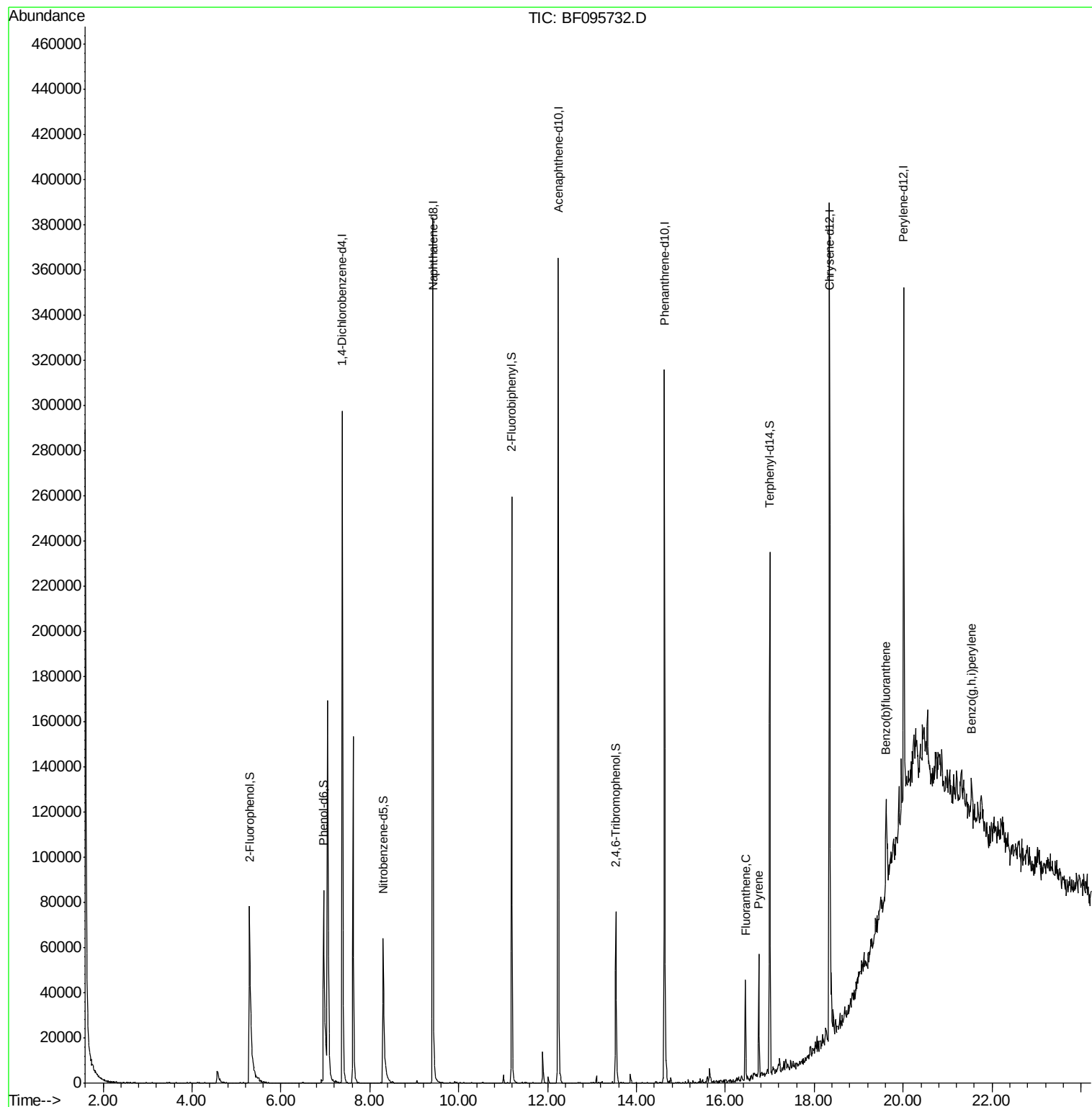
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095732.D
Acq On : 7 Jun 2017 3:27
Operator : SJ/MA
Sample : I3478-09 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

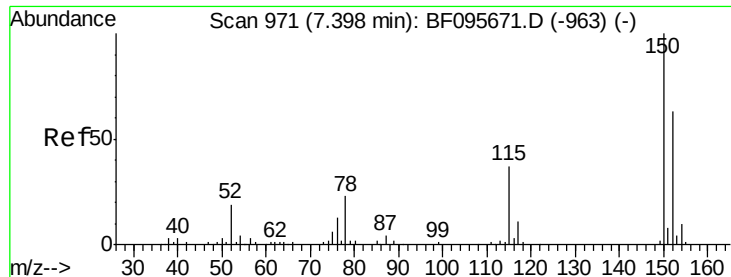
Instrument :
BNA_F
ClientSampleId :
343-COMP

Manual Integrations
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6/7/2017 2:19:16 PM

Quant Time: Jun 07 04:46:26 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration





#1

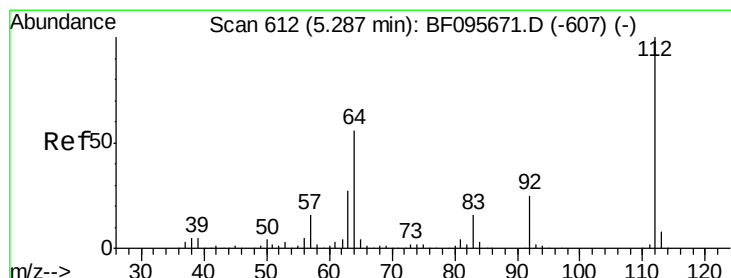
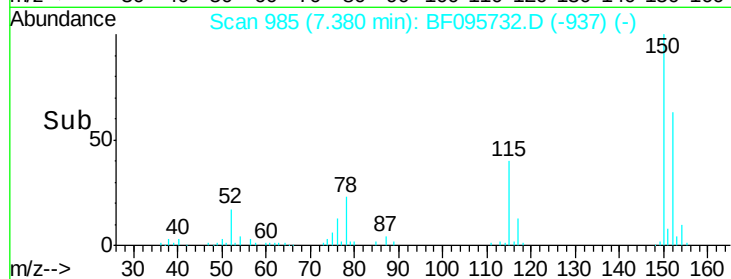
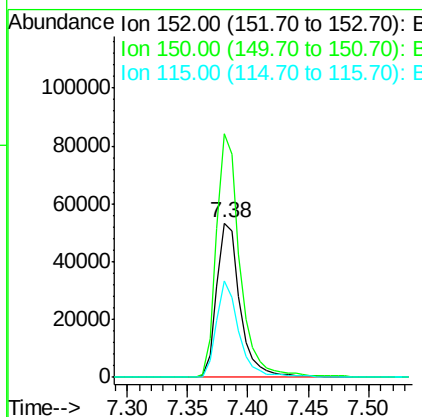
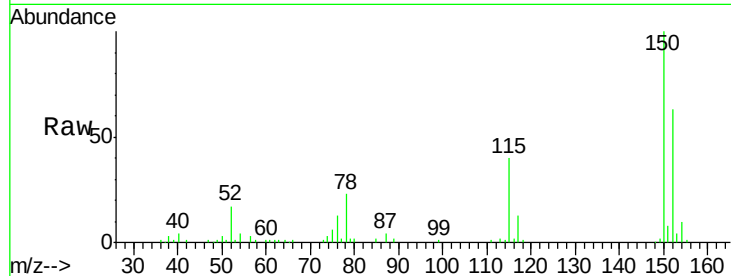
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :
343-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.2	189.2
115	62.3	52.2	78.2

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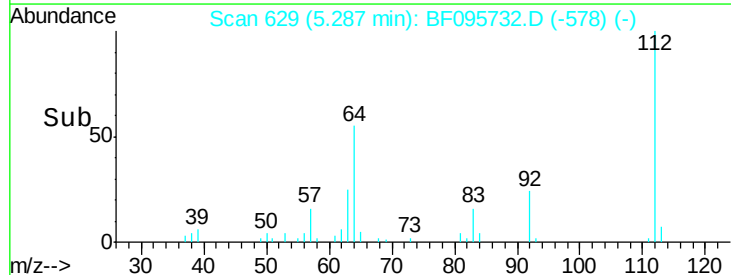
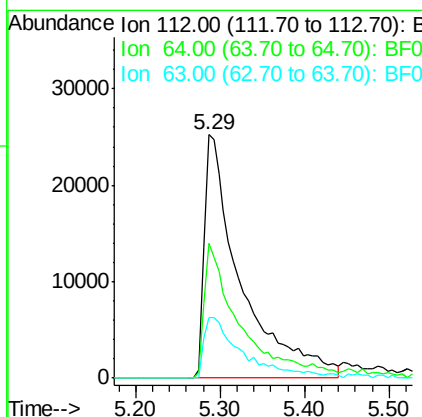
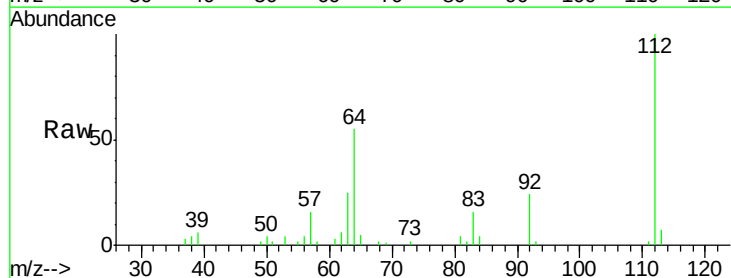
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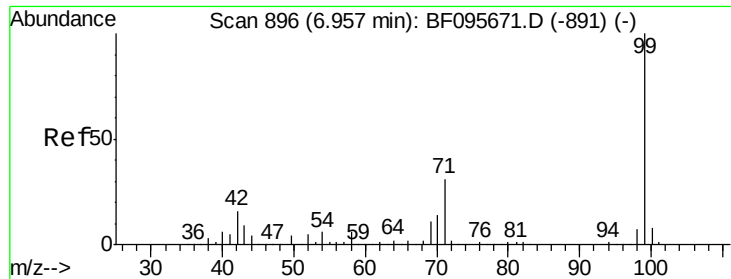


#5

2-Fluorophenol
Concen: 16.879 ng
RT: 5.29 min Scan# 629
Delta R.T. 0.00 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.0	69.0
63	25.0	23.4	35.0





#7

Phenol-d6

Concen: 18.466 ng

RT: 6.95 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095732.D

Acq: 7 Jun 2017 3:27

Instrument :

BNA_F

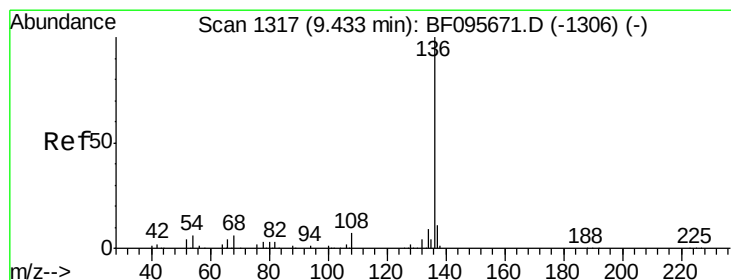
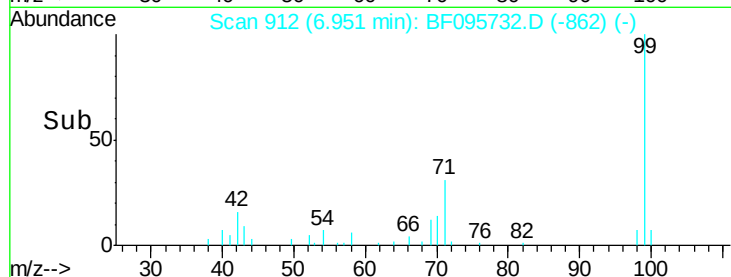
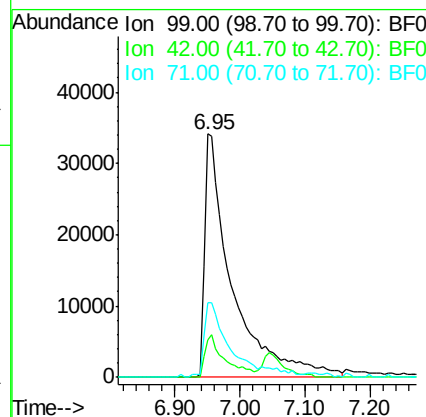
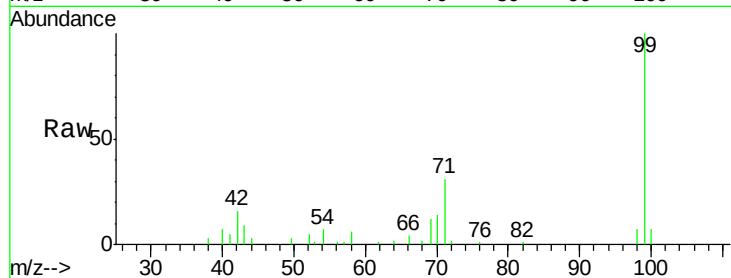
ClientSampleId :

343-COMP

Tgt Ion:	99	Resp:	99078
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.5	20.3
71	30.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

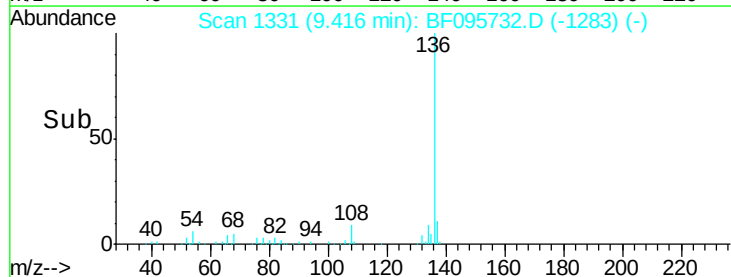
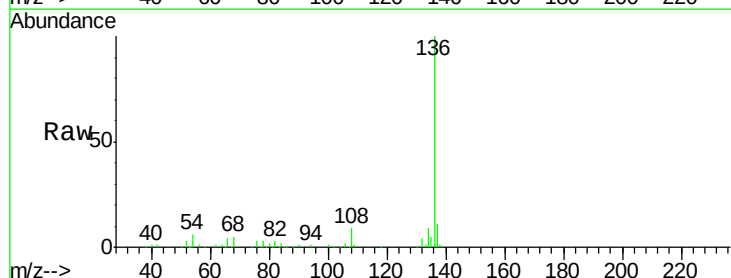
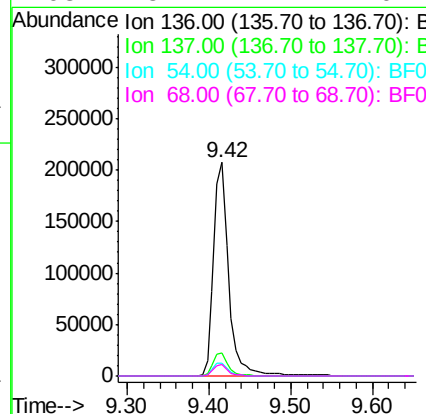
RT: 9.42 min Scan# 1331

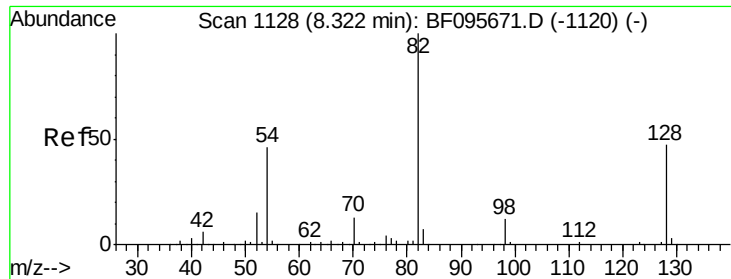
Delta R.T. -0.02 min

Lab File: BF095732.D

Acq: 7 Jun 2017 3:27

Tgt Ion:	136	Resp:	267726
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	6.3	4.9	7.3
68	5.2	4.1	6.1





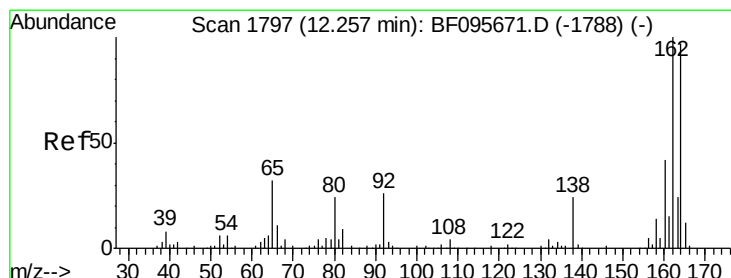
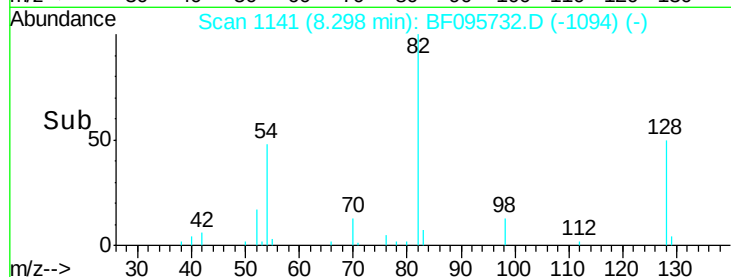
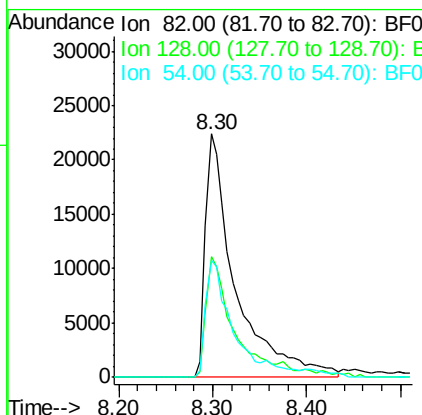
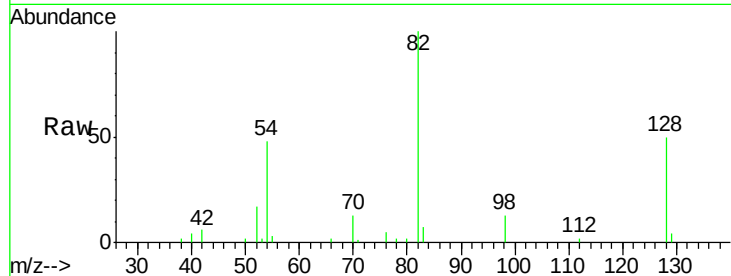
#23
Nitrobenzene-d5
Concen: 11.624 ng
RT: 8.30 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :
343-COMP

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.6	34.0	51.0
54	47.8	42.2	63.2

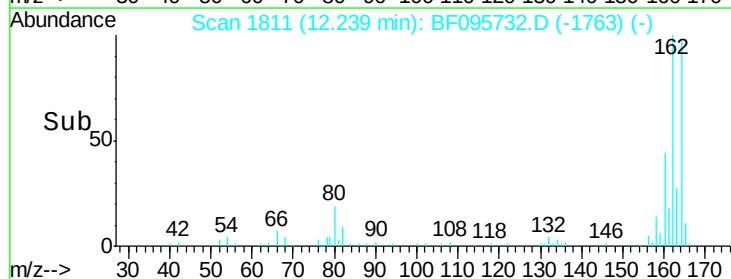
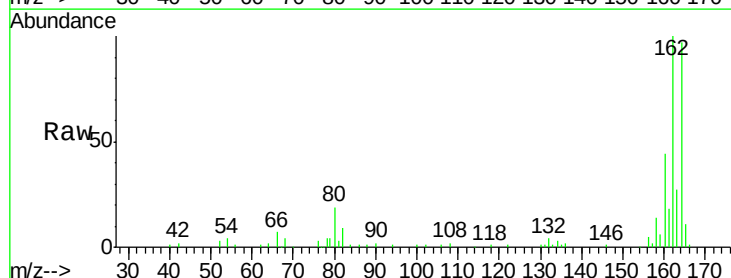
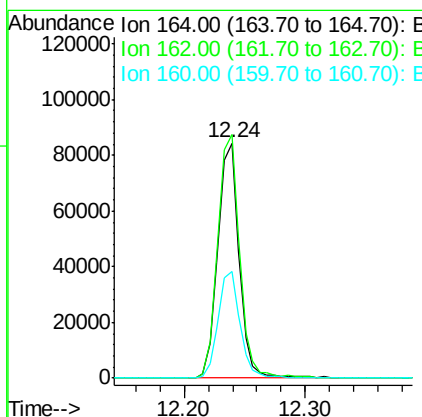
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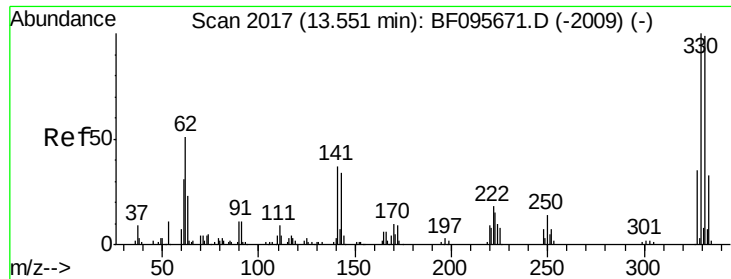
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.24 min Scan# 1811
Delta R.T. -0.02 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.6	123.8
160	45.3	36.2	54.2





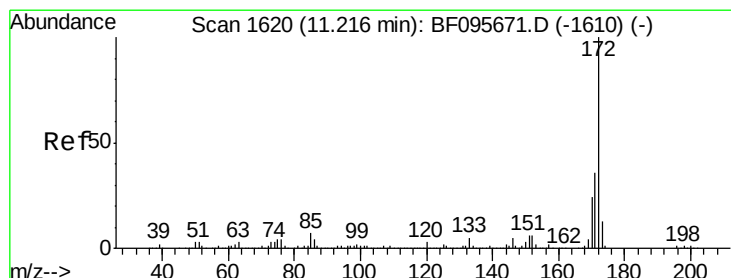
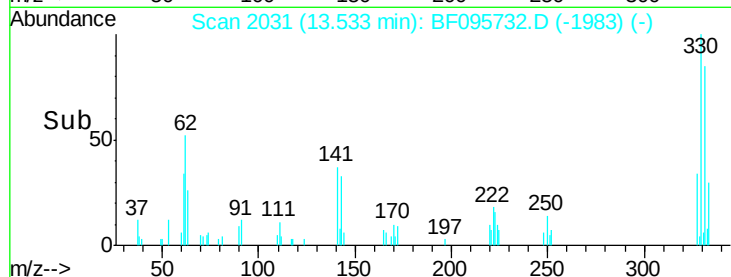
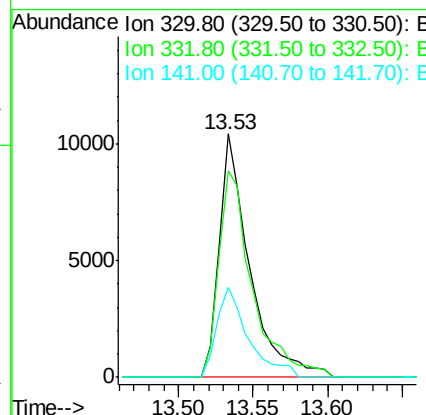
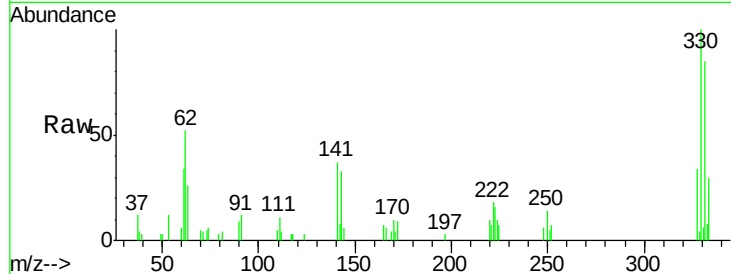
#41
 2,4,6-Tribromophenol
 Concen: 16.460 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095732.D
 Acq: 7 Jun 2017 3:27

Instrument :
 BNA_F
 ClientSampleId :
 343-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	14924		
332	93.5	76.6	115.0	
141	38.0	31.4	47.2	

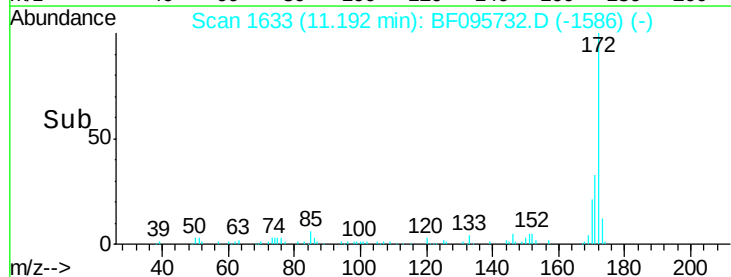
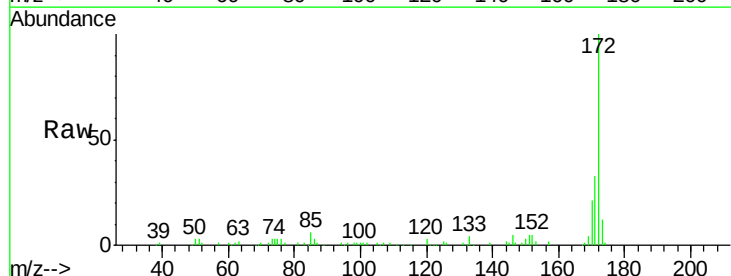
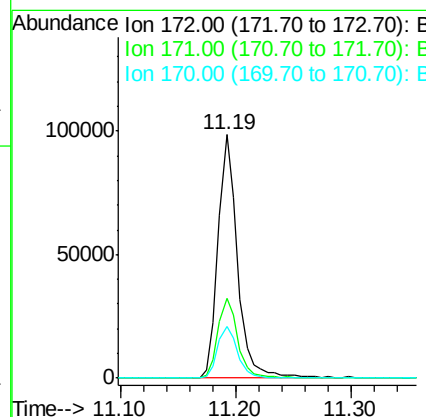
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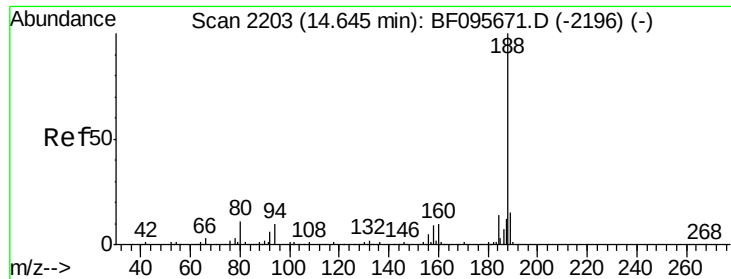
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#44
 2-Fluorobiphenyl
 Concen: 15.662 ng
 RT: 11.19 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095732.D
 Acq: 7 Jun 2017 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	115333		
171	32.9	29.6	44.4	
170	21.4	19.8	29.8	





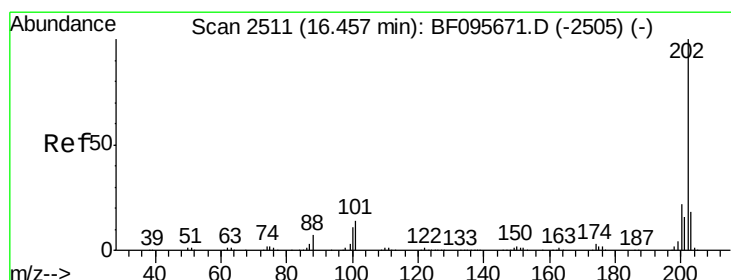
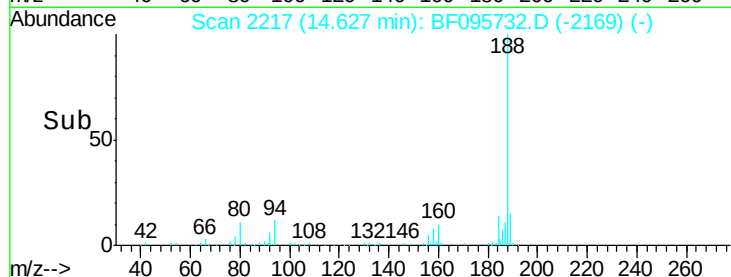
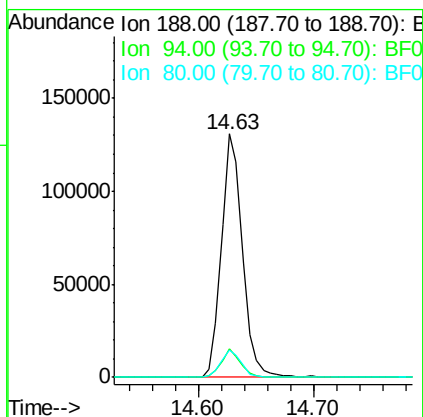
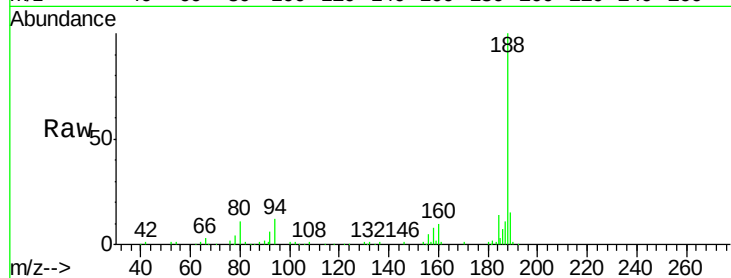
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :
343-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	164871		
94	11.8		9.4	14.2
80	11.2		10.2	15.2

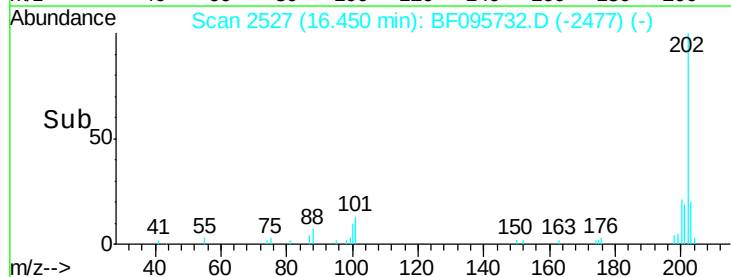
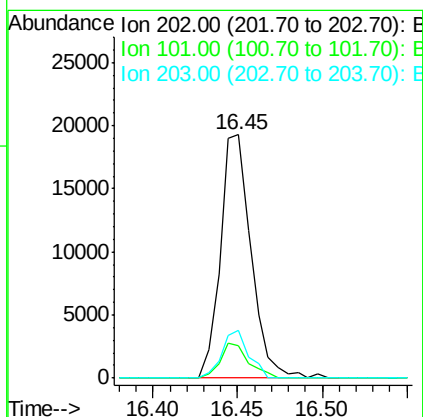
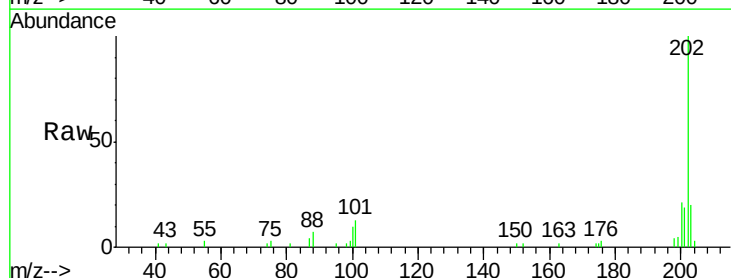
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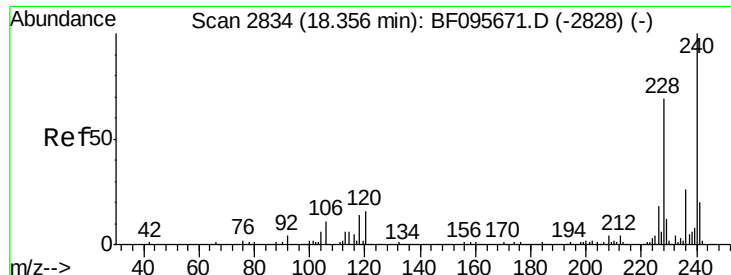
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#74
Fluoranthene
Concen: 2.593 ng
RT: 16.45 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	24410		
101	13.3		0.0	33.2
203	19.6		0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095732.D

Acq: 7 Jun 2017 3:27

Instrument :

BNA_F

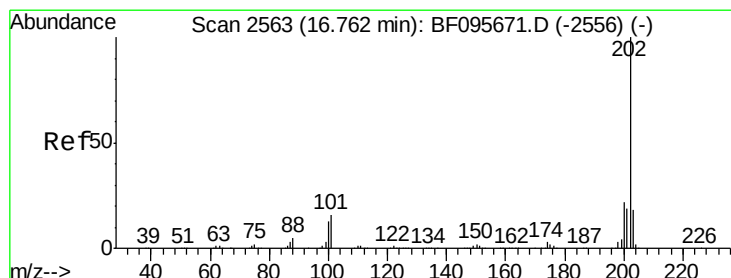
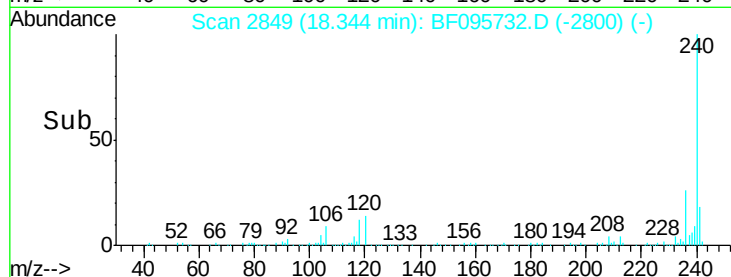
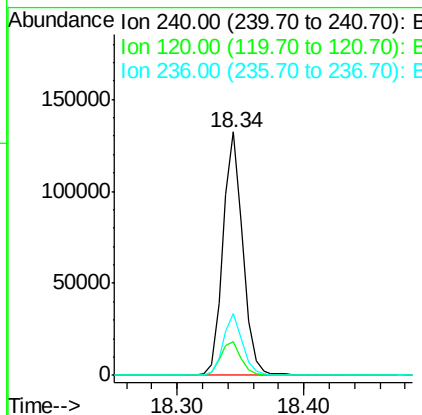
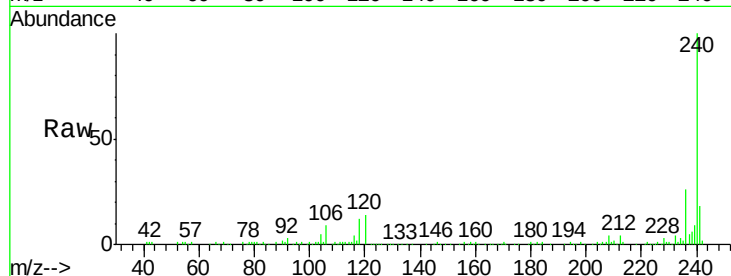
ClientSampled :

343-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	142877		
120	13.8	5.8	8.8#	
236	25.6	20.5	30.7	

Manual Integrations
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#77

Pyrene

Concen: 2.186 ng

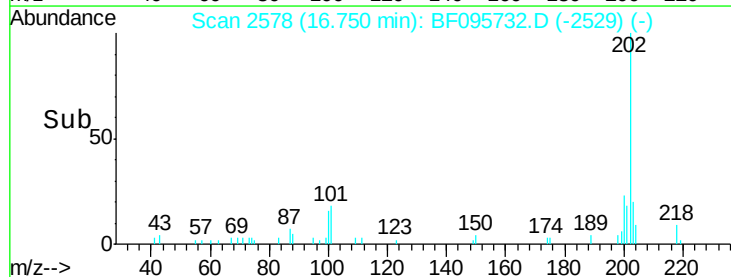
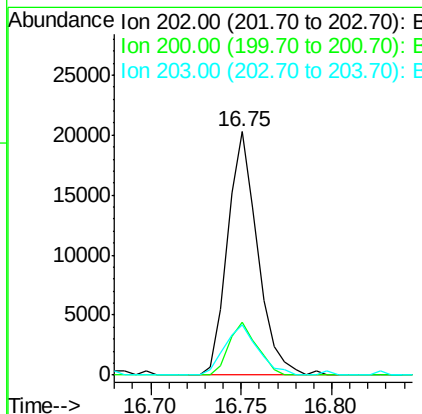
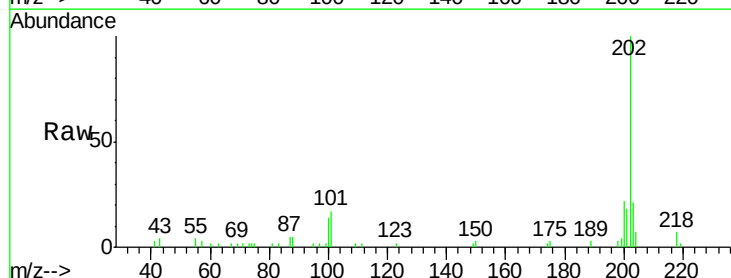
RT: 16.75 min Scan# 2578

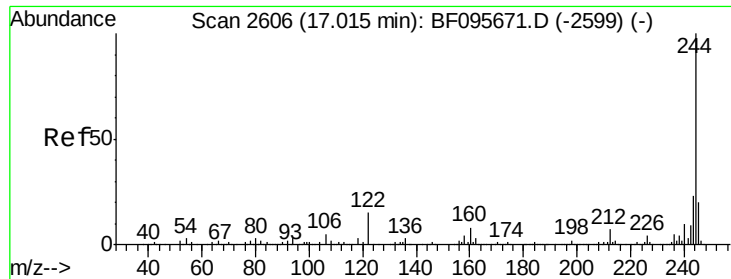
Delta R.T. -0.01 min

Lab File: BF095732.D

Acq: 7 Jun 2017 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	23302		
200	22.0	17.6	26.4	
203	20.6	14.4	21.6	





#78

Terphenyl-d14

Concen: 13.881 ng

RT: 17.00 min Scan# 2620

Delta R.T. -0.02 min

Lab File: BF095732.D

Acq: 7 Jun 2017 3:27

Instrument :

BNA_F

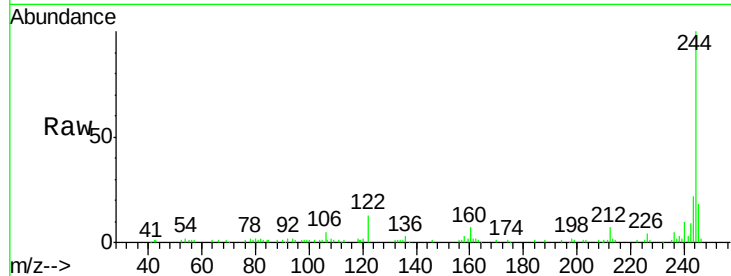
ClientSampled :

343-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	79914		
212	7.1	6.0	9.0	
122	13.0	10.3	15.5	

Manual Integrations
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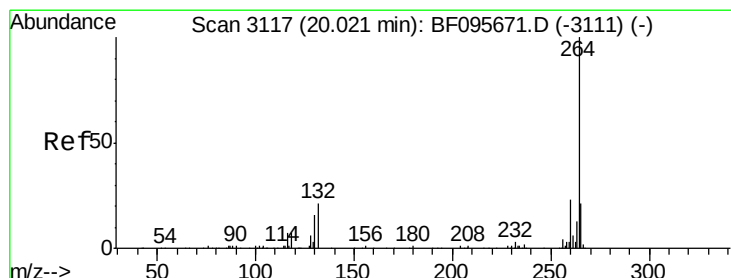
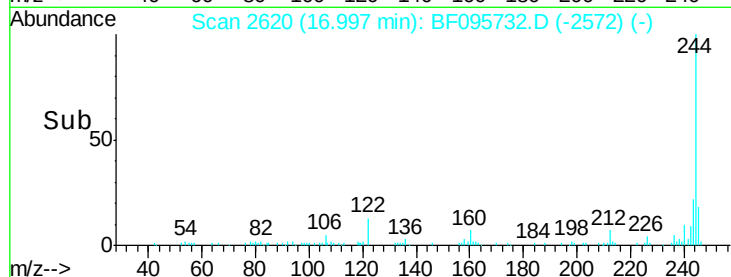
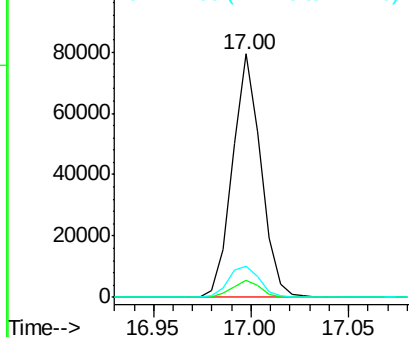
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

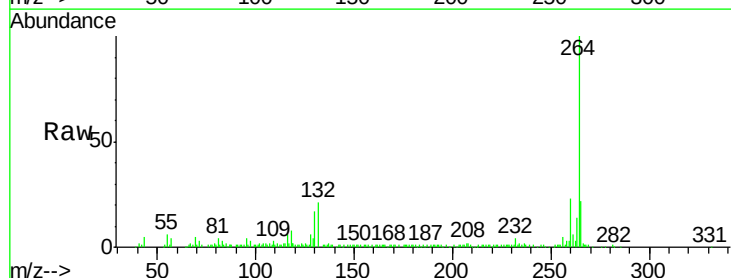
RT: 20.01 min Scan# 3133

Delta R.T. -0.01 min

Lab File: BF095732.D

Acq: 7 Jun 2017 3:27

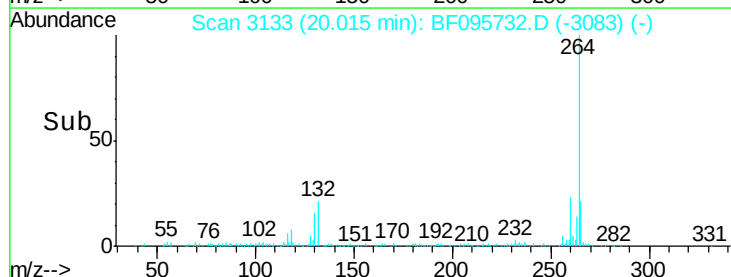
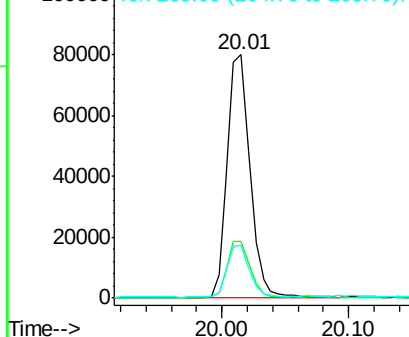
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	100116		
260	23.2	19.5	29.3	
265	21.8	17.2	25.8	

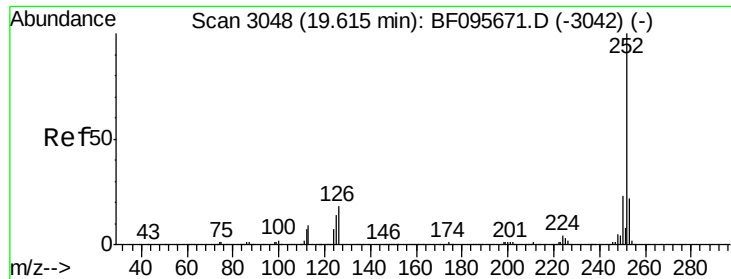


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.737 ng m

RT: 19.61 min Scan# 3065

Delta R.T. -0.00 min

Lab File: BF095732.D

Acq: 7 Jun 2017 3:27

Instrument :

BNA_F

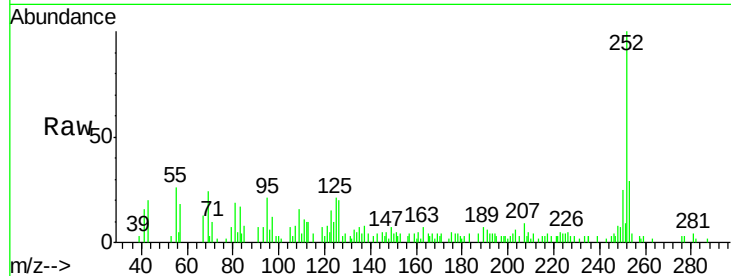
ClientSampleId :

343-COMP

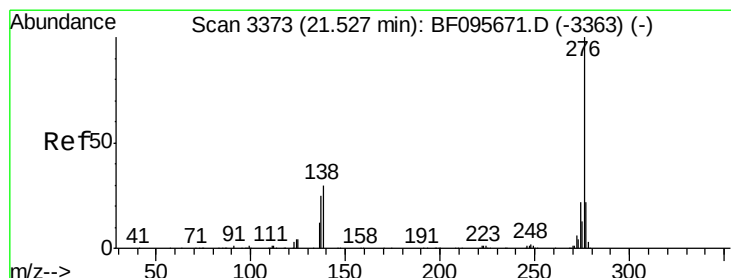
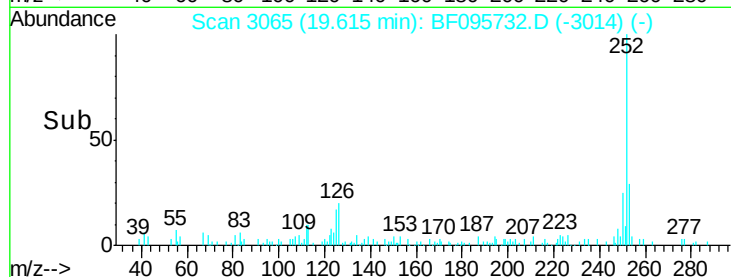
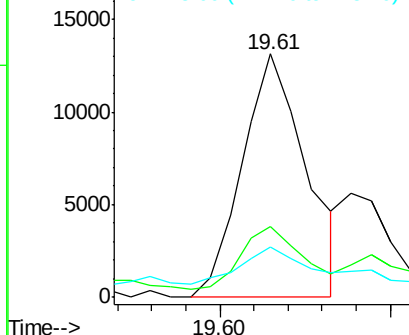
Tgt Ion:	252	Resp:	17160
Ion Ratio	Lower	Upper	
252	100		
253	29.2	18.1	27.1#
125	20.6	9.8	14.8#

Manual Integrations
APPROVED

mohammad
6/7/2017 2:19:16 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.035 ng

RT: 21.54 min Scan# 3392

Delta R.T. 0.01 min

Lab File: BF095732.D

Acq: 7 Jun 2017 3:27

Tgt Ion:	276	Resp:	10139
Ion Ratio	Lower	Upper	
276	100		
277	28.0	18.6	28.0
138	29.2	25.4	38.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

