

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
 Data File : BF098832.D
 Acq On : 26 Sep 2017 15:12
 Operator : SJ/JU
 Sample : I5363-01 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-A-COMP

Manual Integrations
 APPROVED

Sohil
 9/27/2017 12:44:44 PM

Quant Time: Sep 27 01:40:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	155918	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	658897	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	296810	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	518659	20.00	ng	0.00
75) Chrysene-d12	14.07	240	354371	20.00	ng	-0.01
86) Perylene-d12	15.57	264	344353	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	143316	14.63	ng	-0.02
7) Phenol-d6	6.52	99	179109	14.82	ng	-0.02
23) Nitrobenzene-d5	7.47	82	104219	10.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	34292	14.12	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	216389	12.17	ng	-0.02
78) Terphenyl-d14	13.02	244	179265	11.50	ng	-0.02
Target Compounds						
70) Phenanthrene	11.46	178	75312	2.713	ng	Qvalue 97
74) Fluoranthene	12.65	202	118255	4.206	ng	95
77) Pyrene	12.88	202	102252	3.784	ng	98
80) Benzo(a)anthracene	14.06	228	52263	2.436	ng	94
82) Chrysene	14.10	228	56015	2.742	ng	97
87) Benzo(b)fluoranthene	15.13	252	79531m	3.756	ng	
89) Benzo(a)pyrene	15.50	252	42352	2.179	ng	# 83

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

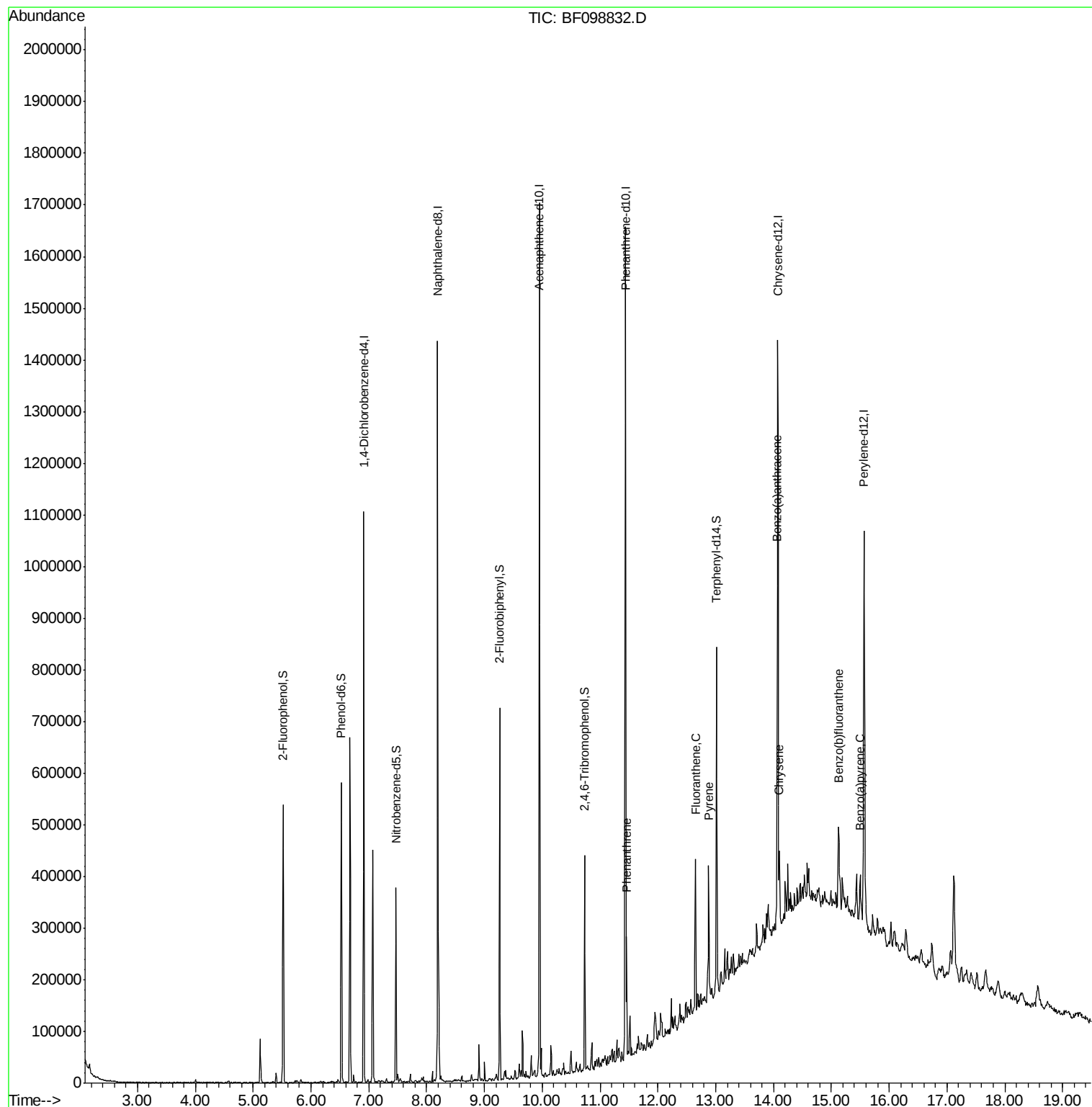
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
Data File : BF098832.D
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Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration





#1

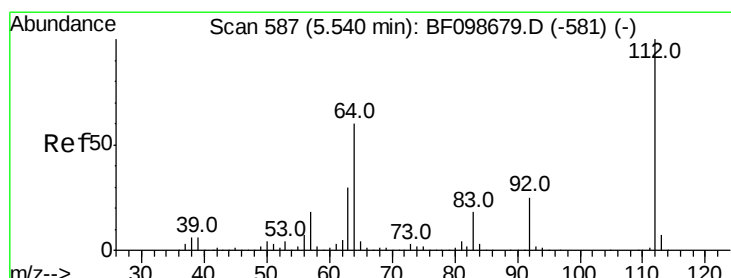
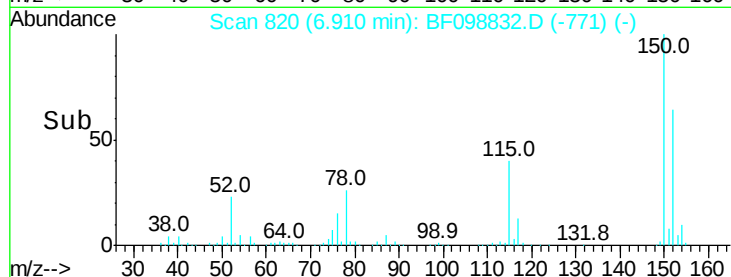
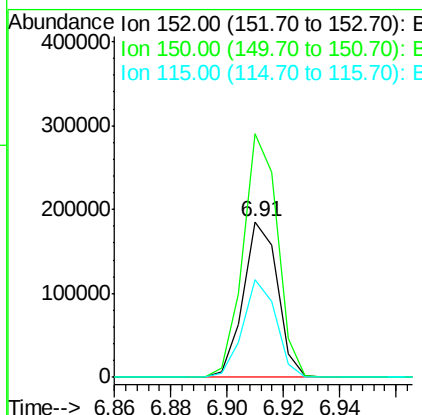
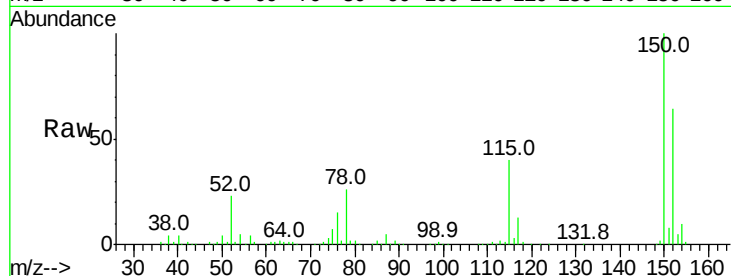
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098832.D
Acq: 26 Sep 2017 15:12

Instrument :
BNA_F
ClientSampleId :
SP-3-A-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	62.9	50.1	75.1

Manual Integrations
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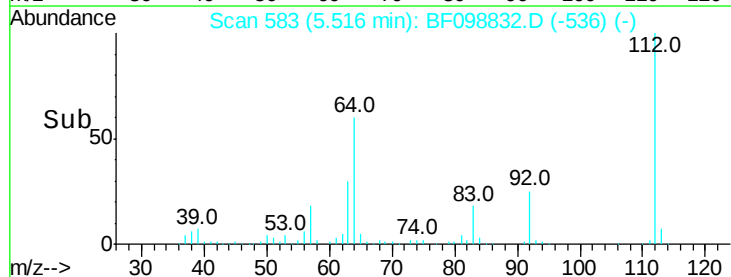
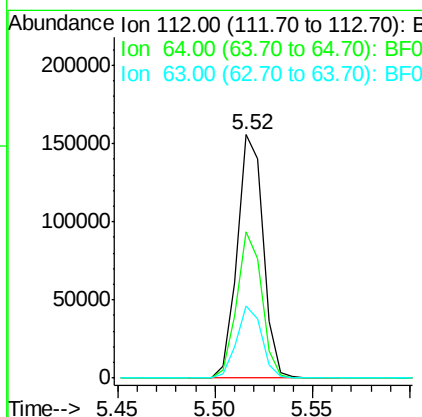
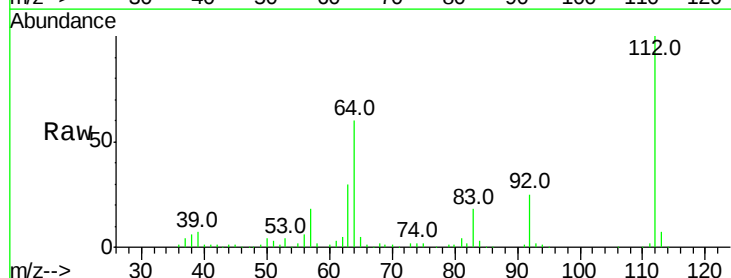
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#5

2-Fluorophenol
Concen: 14.632 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.02 min
Lab File: BF098832.D
Acq: 26 Sep 2017 15:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	47.9	71.9
63	29.8	23.7	35.5





#7

Phenol-d6

Concen: 14.824 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF098832.D

Acq: 26 Sep 2017 15:12

Instrument :

BNA_F

ClientSampled :

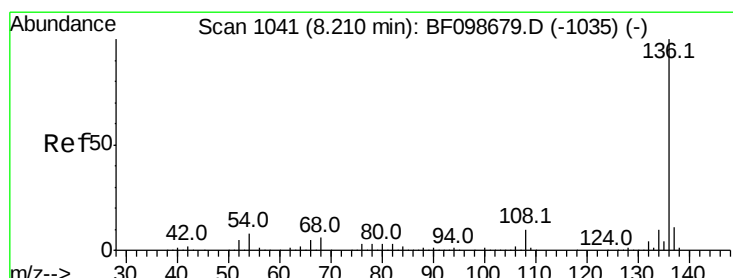
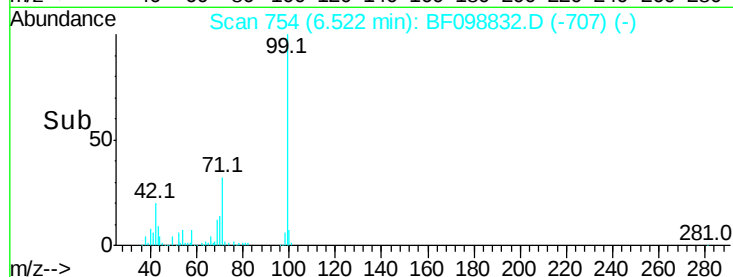
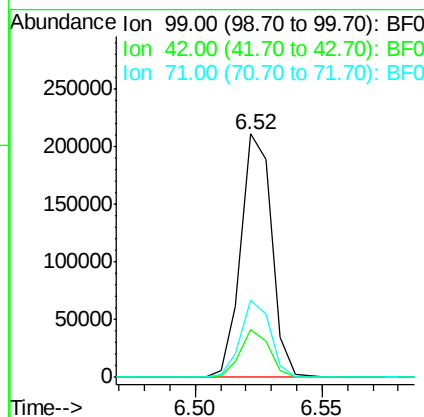
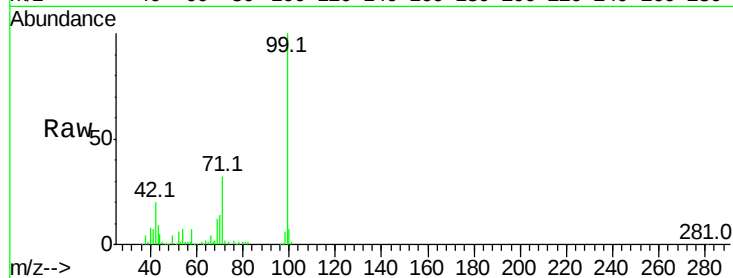
SP-3-A-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		179109		
42	19.6	14.5	21.7		
71	31.9	25.4	38.0		

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

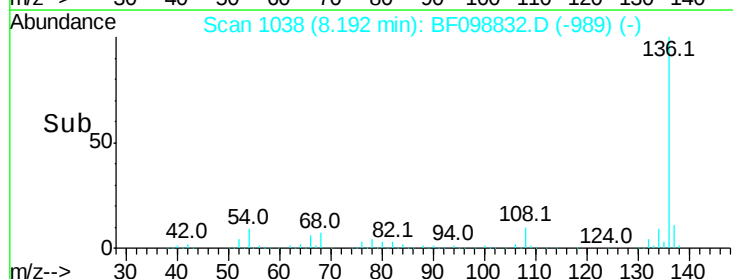
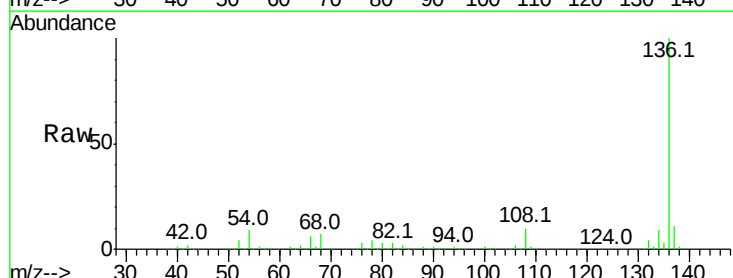
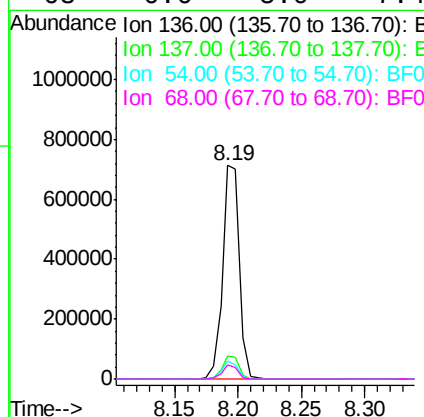
RT: 8.19 min Scan# 1038

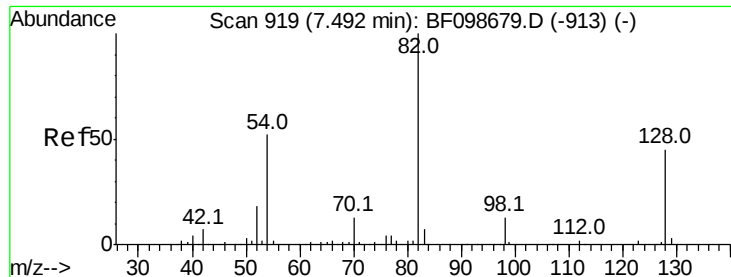
Delta R.T. -0.01 min

Lab File: BF098832.D

Acq: 26 Sep 2017 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		658897		
137	11.0	8.9	13.3		
54	8.6	6.6	9.8		
68	6.6	5.0	7.4		





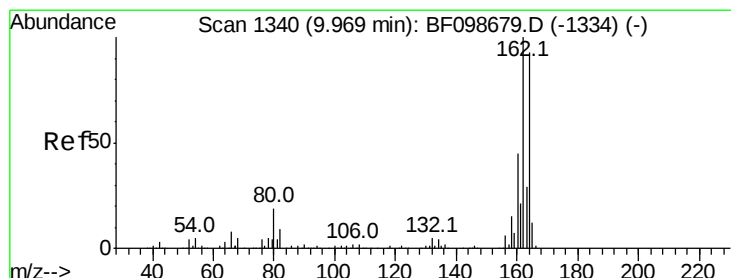
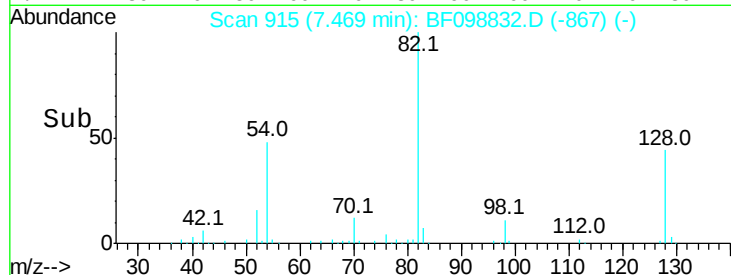
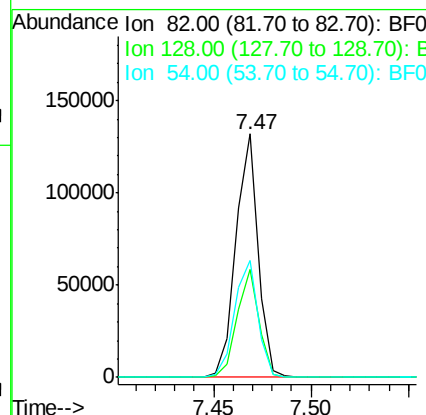
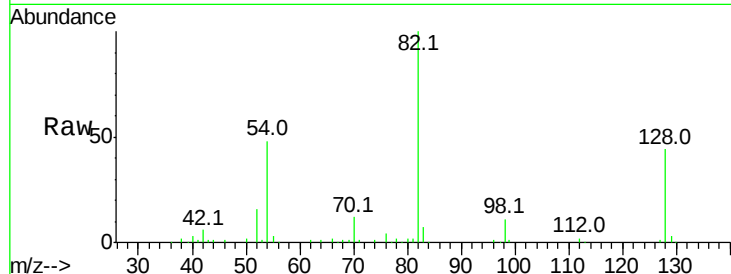
#23
 Nitrobenzene-d5
 Concen: 10.144 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098832.D
 Acq: 26 Sep 2017 15:12

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-A-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.1	36.1	54.1	
54	48.3	41.4	62.2	

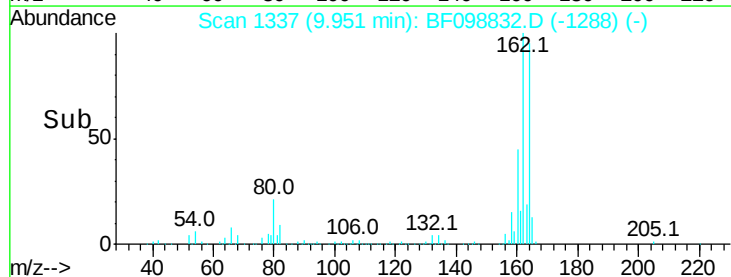
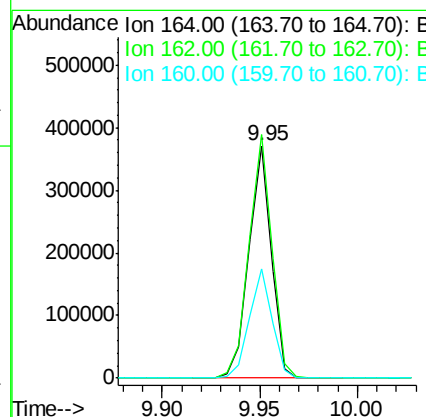
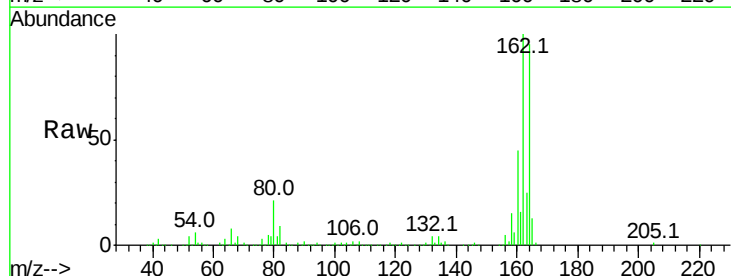
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098832.D
 Acq: 26 Sep 2017 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.8	86.1	129.1	
160	46.9	38.3	57.5	





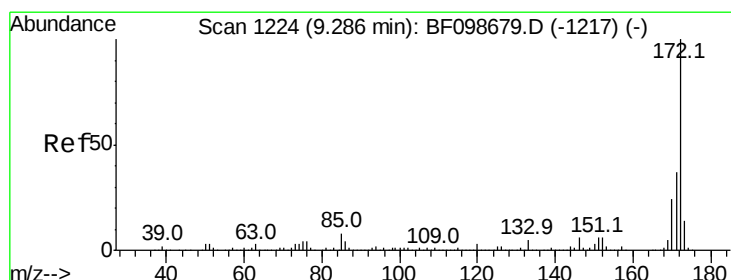
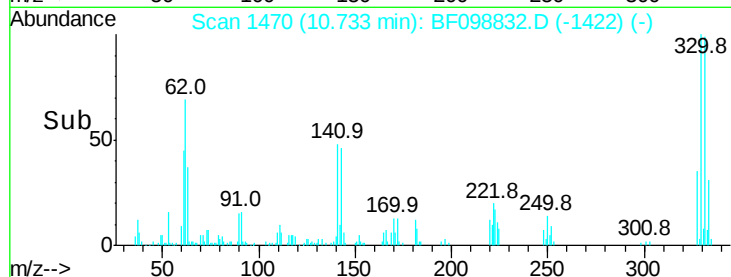
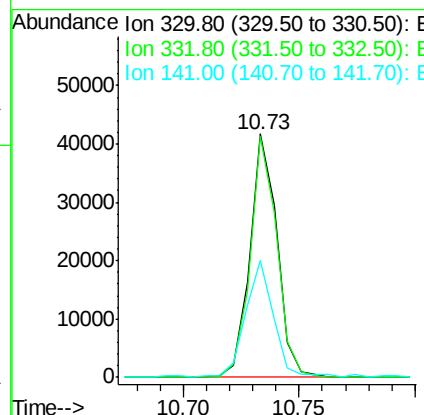
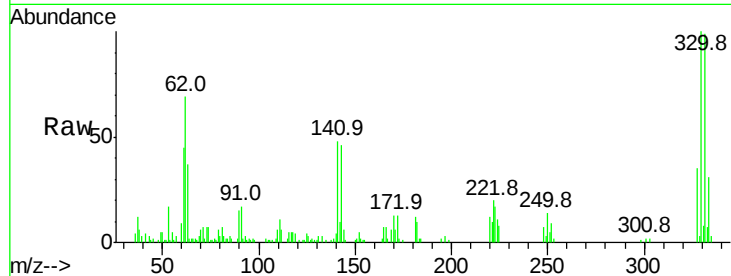
#41
 2,4,6-Tribromophenol
 Concen: 14.119 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098832.D
 Acq: 26 Sep 2017 15:12

Instrument :
 BNA_F
 ClientSampled :
 SP-3-A-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	77.0	115.6	
141	50.1	29.9	44.9	

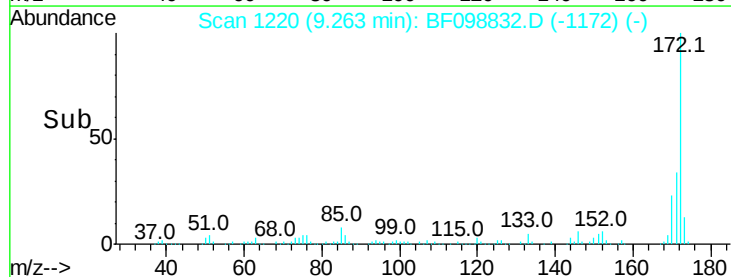
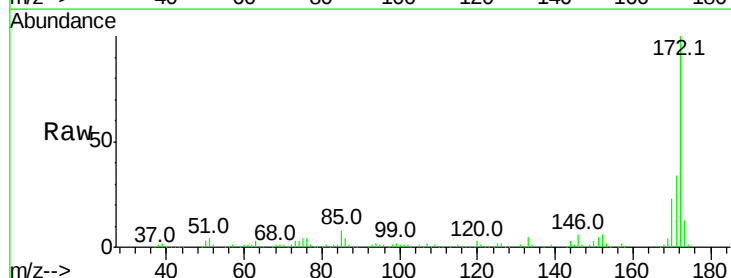
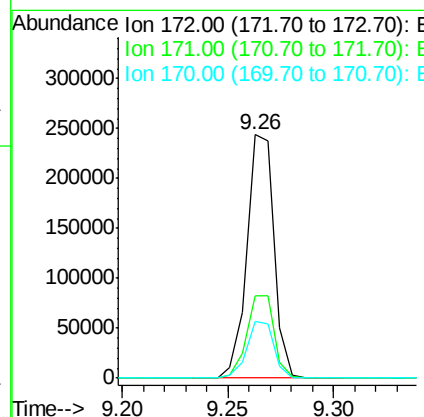
Manual Integrations
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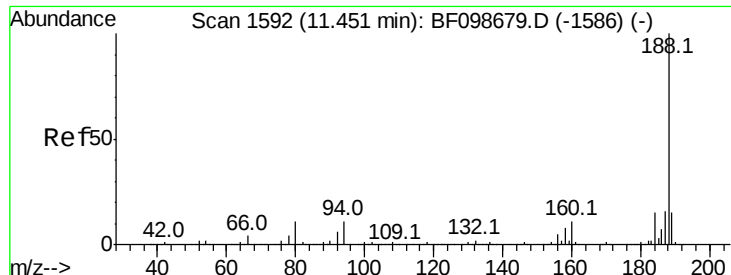
Sohil
 9/27/2017 12:44:44 PM



#44
 2-Fluorobiphenyl
 Concen: 12.171 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098832.D
 Acq: 26 Sep 2017 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.9	29.7	44.5	
170	23.3	19.6	29.4	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098832.D

Acq: 26 Sep 2017 15:12

Instrument :

BNA_F

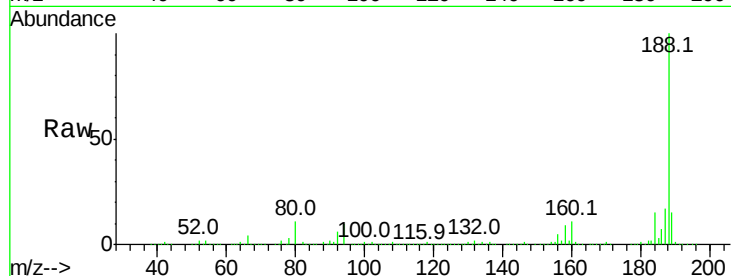
ClientSampleId :

SP-3-A-COMP

Tot Ion:	188	Resp:	518659
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.5	12.7
80	11.2	9.2	13.8

Manual Integrations
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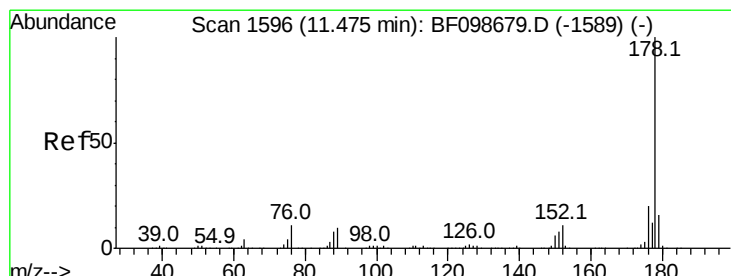
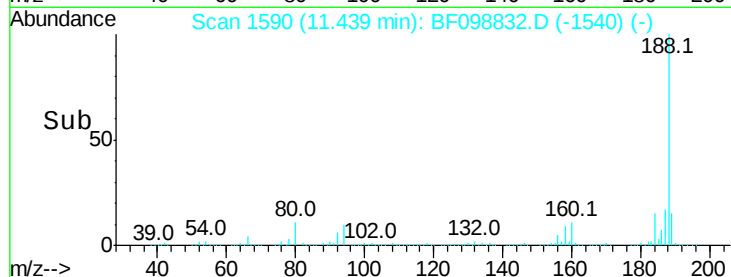
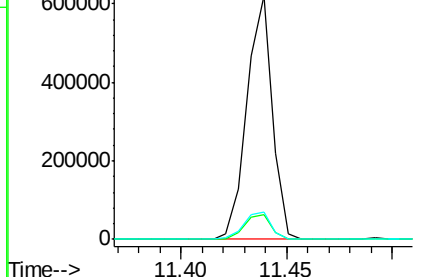
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 2.713 ng

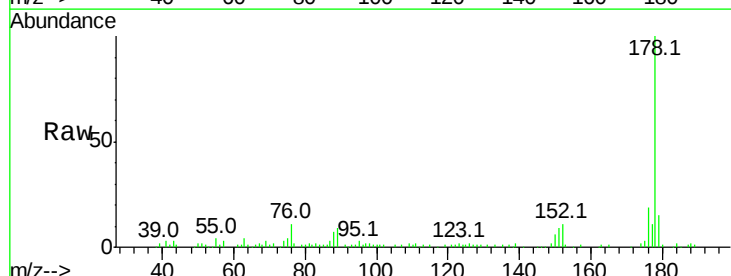
RT: 11.46 min Scan# 1593

Delta R.T. -0.02 min

Lab File: BF098832.D

Acq: 26 Sep 2017 15:12

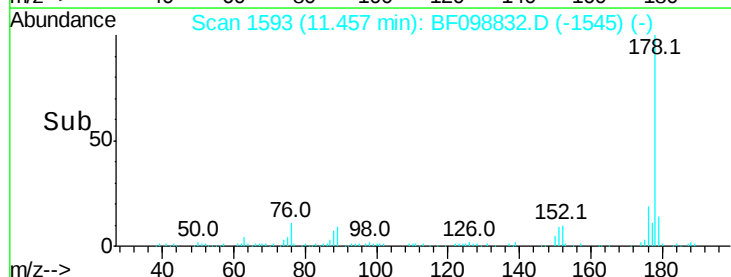
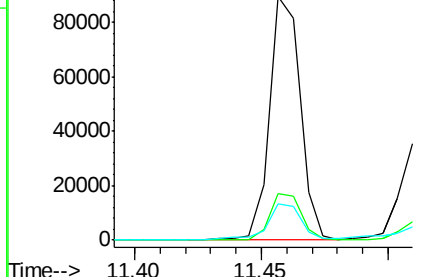
Tgt Ion:	178	Resp:	75312
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	14.9	13.0	19.6

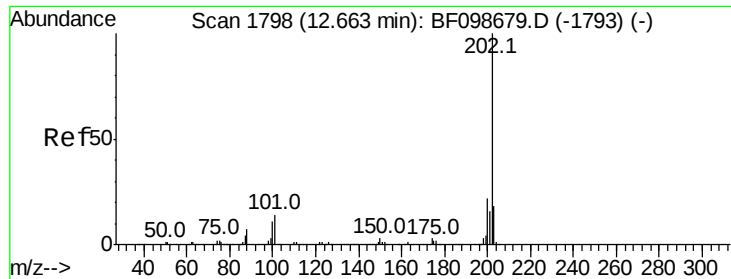


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.206 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098832.D

Acq: 26 Sep 2017 15:12

Instrument :

BNA_F

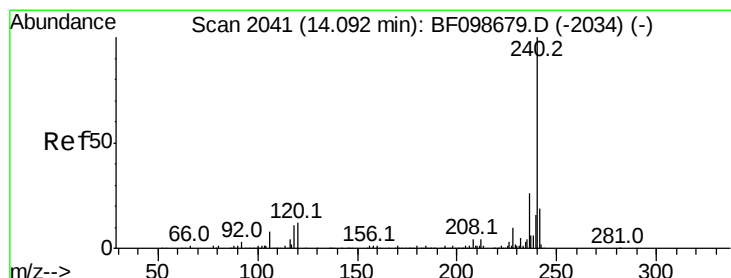
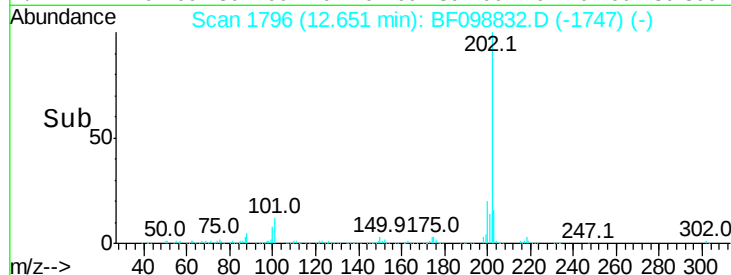
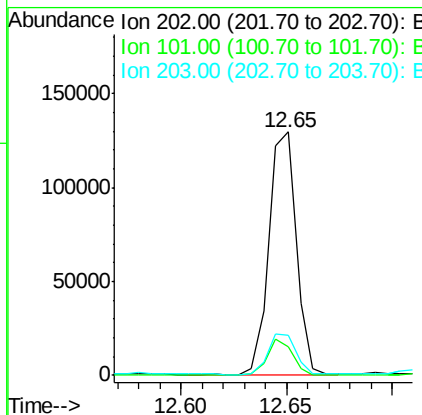
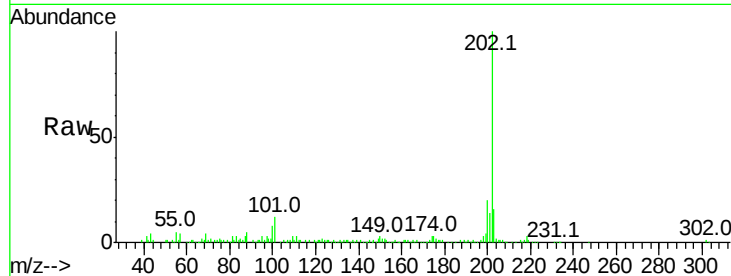
ClientSampled :

SP-3-A-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	0.0	34.1
203	16.4	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

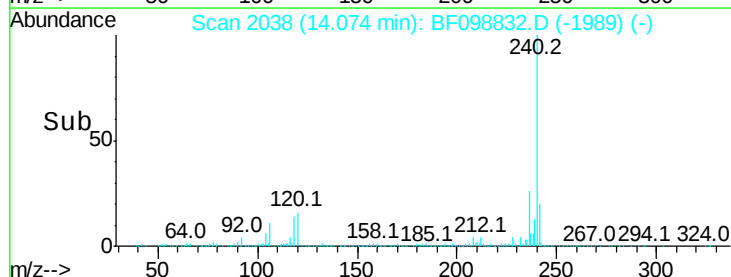
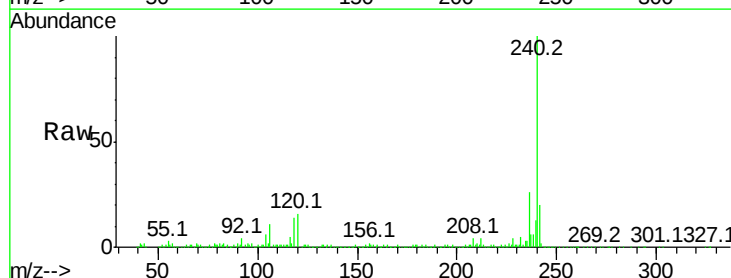
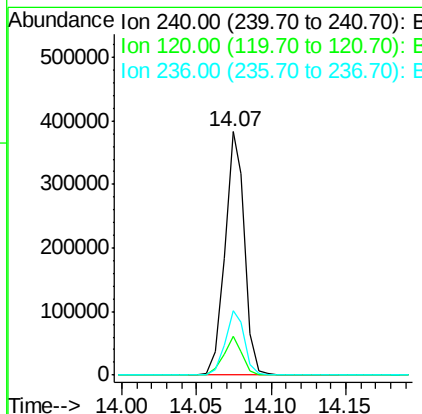
RT: 14.07 min Scan# 2038

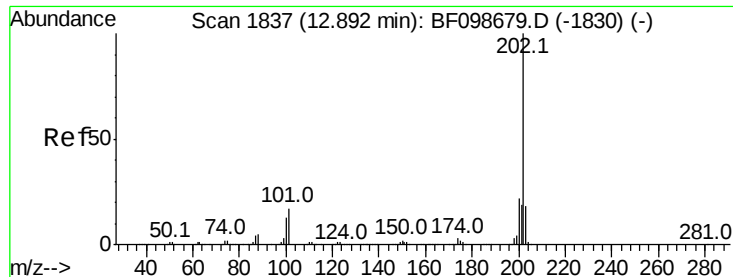
Delta R.T. -0.01 min

Lab File: BF098832.D

Acq: 26 Sep 2017 15:12

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.1	9.5	14.3#
236	26.3	20.7	31.1





#77

Pvrene

Concen: 3.784 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098832.D

Acq: 26 Sep 2017 15:12

Instrument :

BNA_F

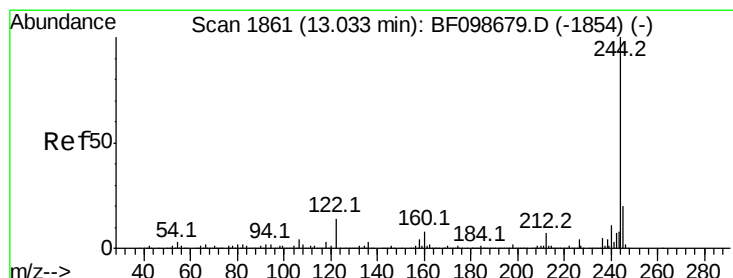
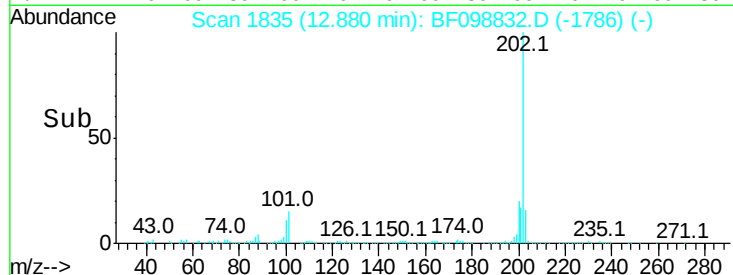
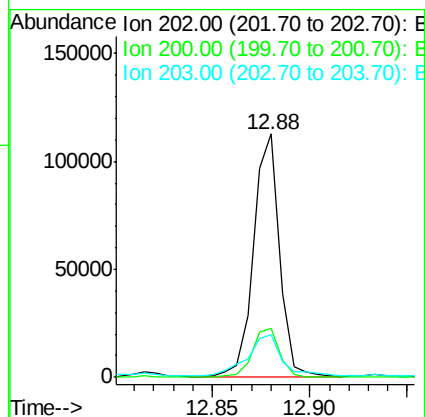
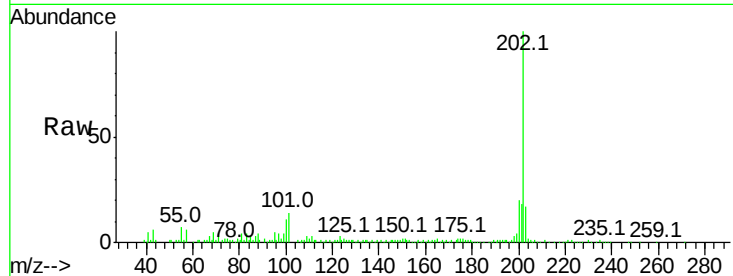
ClientSampleId :

SP-3-A-COMP

Tot Ion:	202	Resp:	102252
Ion Ratio		Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 11.504 ng

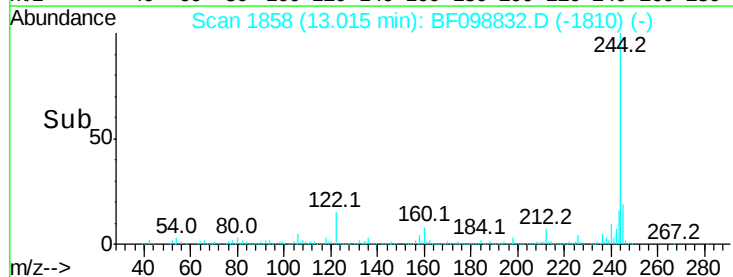
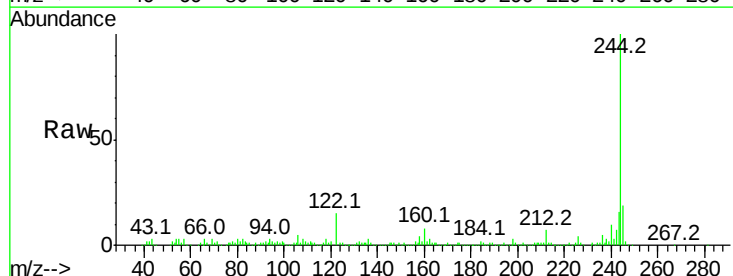
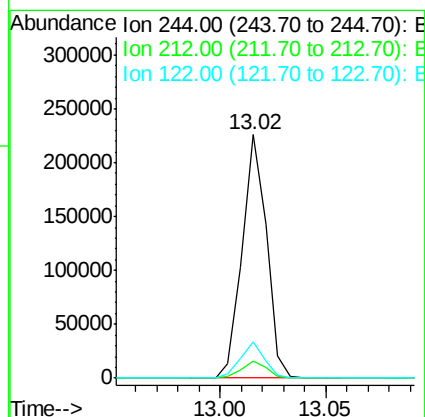
RT: 13.02 min Scan# 1858

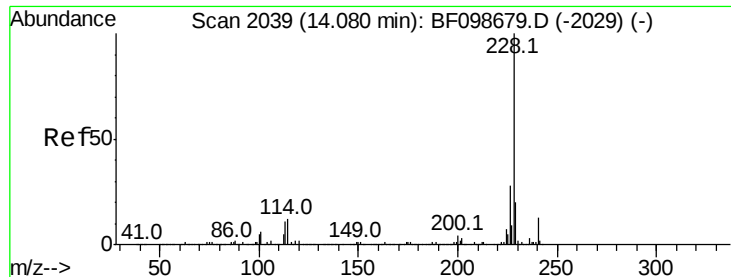
Delta R.T. -0.02 min

Lab File: BF098832.D

Acq: 26 Sep 2017 15:12

Tgt Ion:	244	Resp:	179265
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	15.1	11.0	16.4





#80

Benzo(a)anthracene

Concen: 2.436 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF098832.D

Acq: 26 Sep 2017 15:12

Instrument :

BNA_F

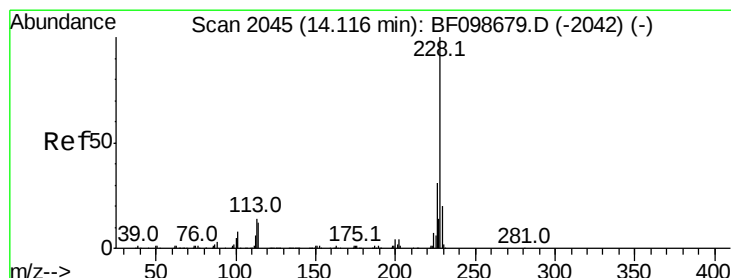
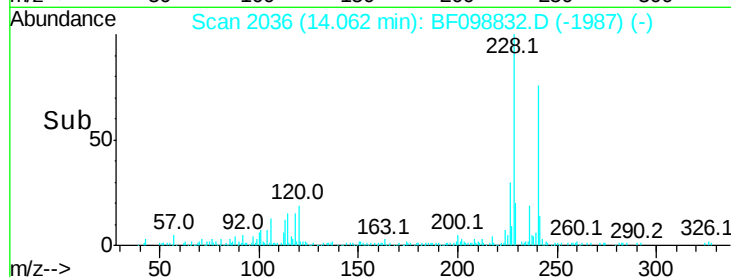
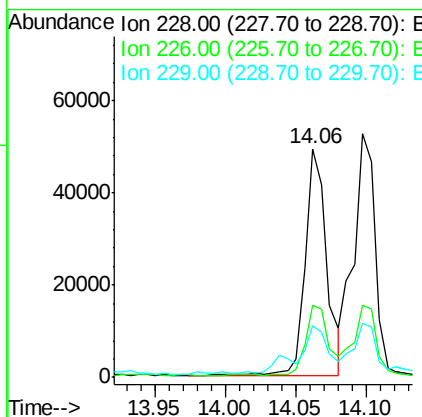
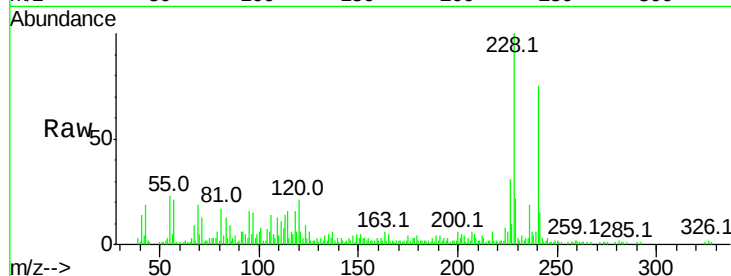
ClientSampleId :

SP-3-A-COMP

Tot Ion:	228	Resp:	52263
Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	22.4	15.8	23.6

Manual Integrations
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#82

Chrysene

Concen: 2.742 ng

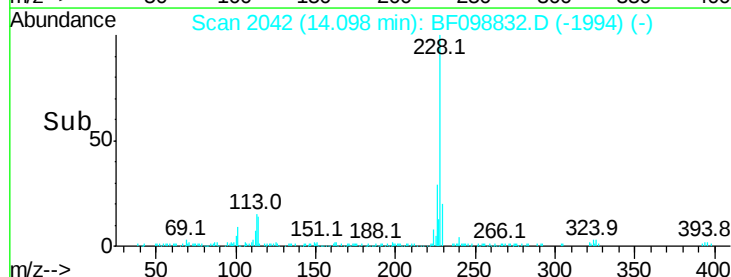
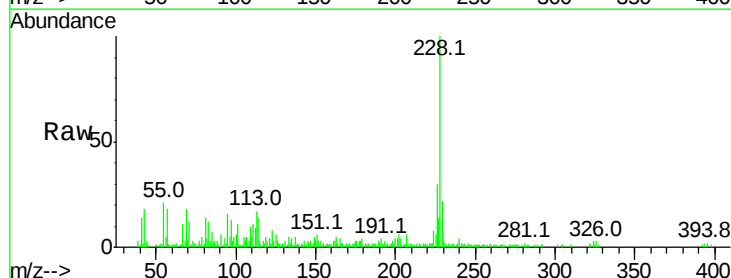
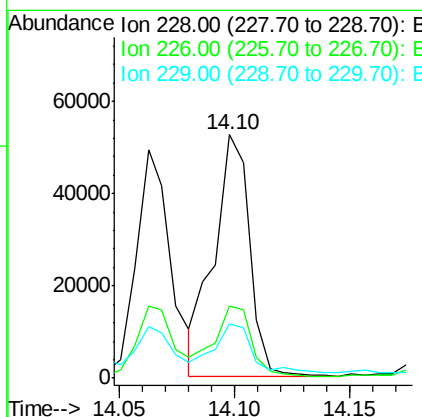
RT: 14.10 min Scan# 2042

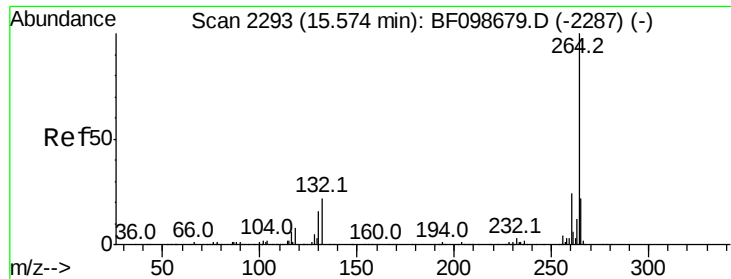
Delta R.T. -0.02 min

Lab File: BF098832.D

Acq: 26 Sep 2017 15:12

Tgt Ion:	228	Resp:	56015
Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	22.0	16.2	24.4





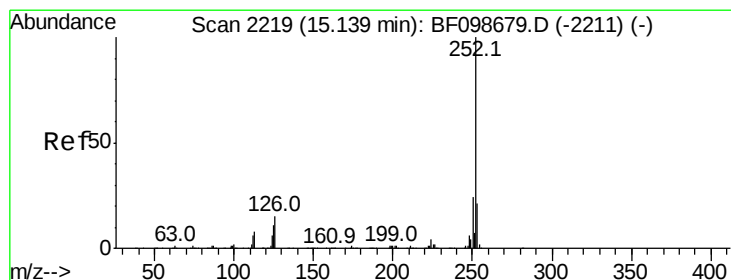
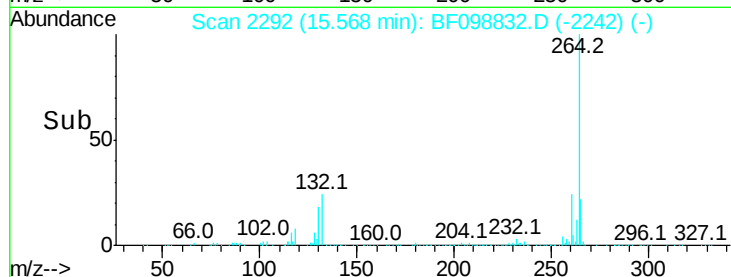
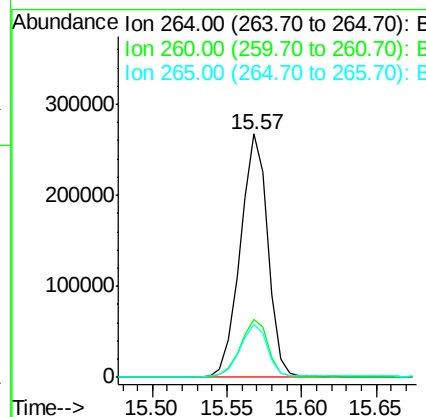
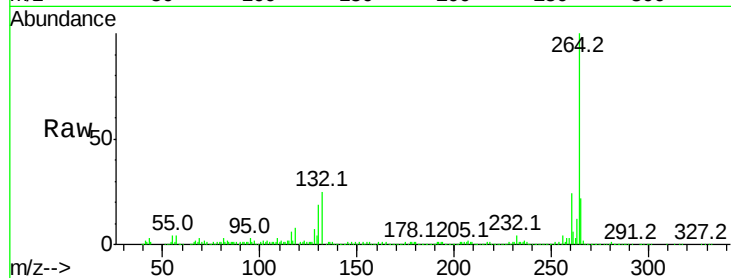
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098832.D
Acq: 26 Sep 2017 15:12

Instrument :
BNA_F
ClientSampleId :
SP-3-A-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.8	17.5	26.3

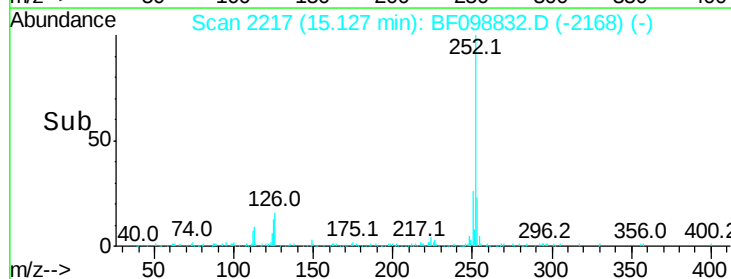
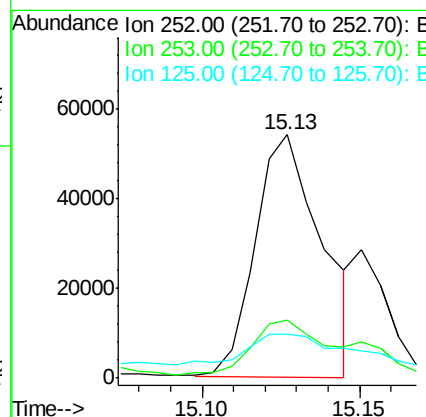
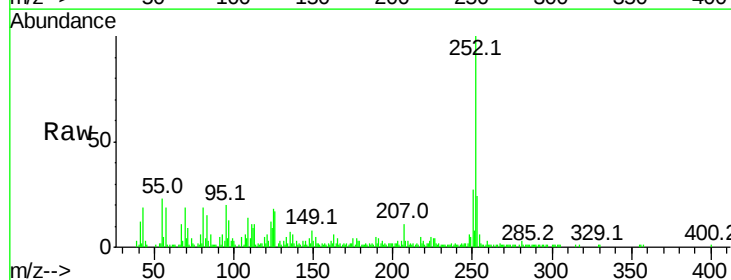
Manual Integrations
APPROVED

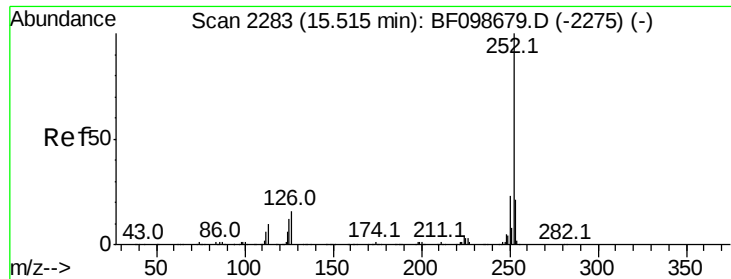
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#87
Benzo(b)fluoranthene
Concen: 3.756 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098832.D
Acq: 26 Sep 2017 15:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	18.1	9.0	13.6#





#89
Benzo(a)pyrene
Concen: 2.179 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098832.D
Acq: 26 Sep 2017 15:12

Instrument :
BNA_F
ClientSampleId :
SP-3-A-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.1	25.7#
125	23.4	9.8	14.6#

Manual Integrations
APPROVED

Sohil
9/27/2017 12:44:44 PM

