

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
 Data File : BF085486.D
 Acq On : 17 Mar 2016 2:56
 Operator : UM/SJ
 Sample : H1792-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Manual Integrations
 APPROVED

Sohil
 3/17/2016 5:20:20 PM

Quant Time: Mar 17 03:21:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	111539	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	469390	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	200850	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	340749	20.00	ng	-0.02
75) Chrysene-d12	14.06	240	203354	20.00	ng	-0.02
86) Perylene-d12	15.50	264	214031	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	941047	145.03	ng	-0.01
7) Phenol-d6	6.53	99	1140901	135.55	ng	-0.02
23) Nitrobenzene-d5	7.46	82	739830	93.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	276174	149.29	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1153796	99.66	ng	-0.02
78) Terphenyl-d14	13.01	244	776010	86.33	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.66	163	248478	16.96	ng	99
70) Phenanthrene	11.44	178	51055	2.88	ng	98
74) Fluoranthene	12.63	202	82062	4.92	ng	96
77) Pyrene	12.86	202	68513	4.49	ng	97
80) Benzo(a)anthracene	14.05	228	29818	2.56	ng	99
87) Benzo(b)fluoranthene	15.09	252	33782m	2.42	ng	
89) Benzo(a)pyrene	15.44	252	25579	2.12	ng	# 93
91) Benzo(g,h,i)perylene	17.36	276	25212	2.09	ng	98

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

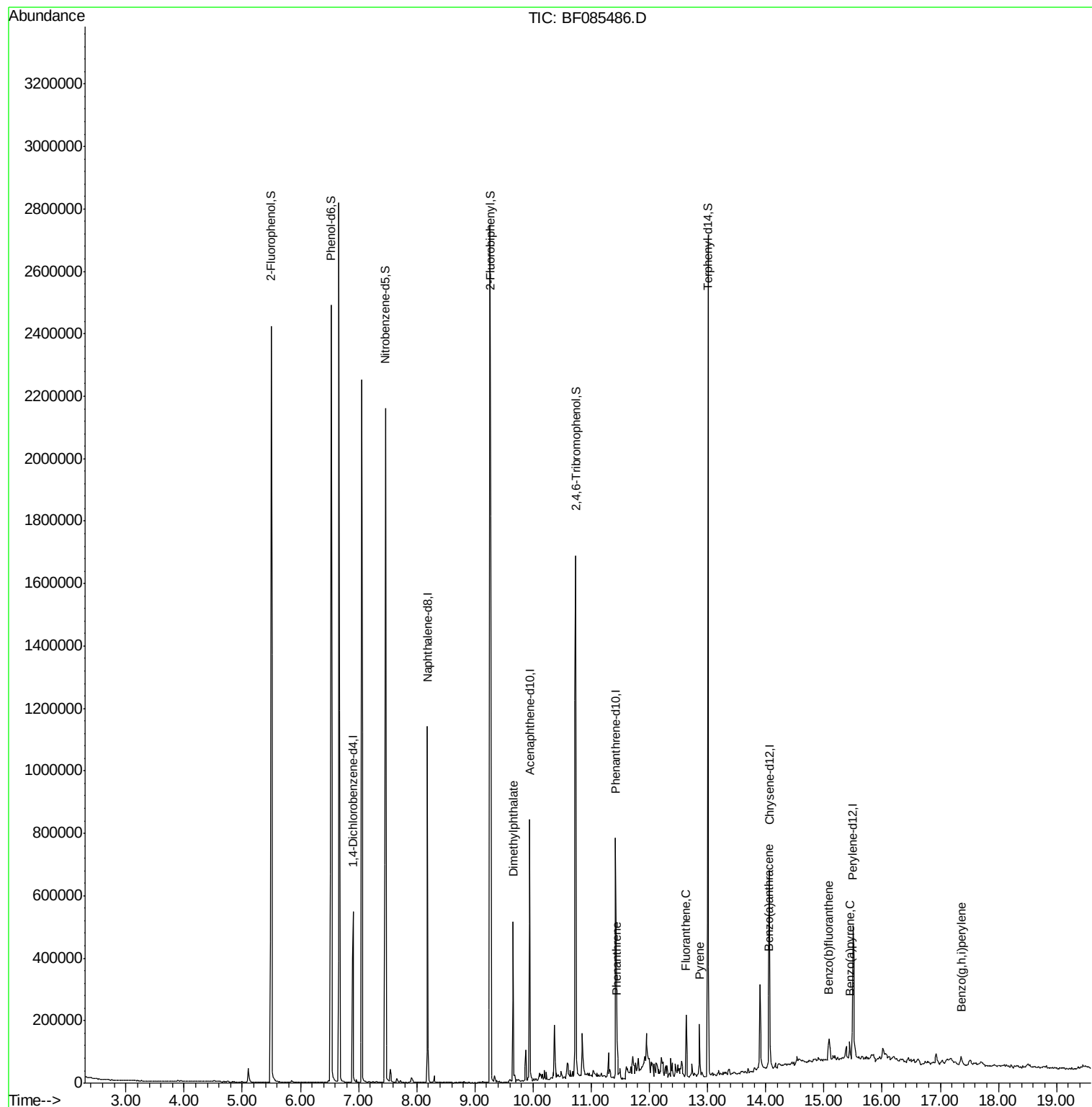
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085486.D
Acq On : 17 Mar 2016 2:56
Operator : UM/SJ
Sample : H1792-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

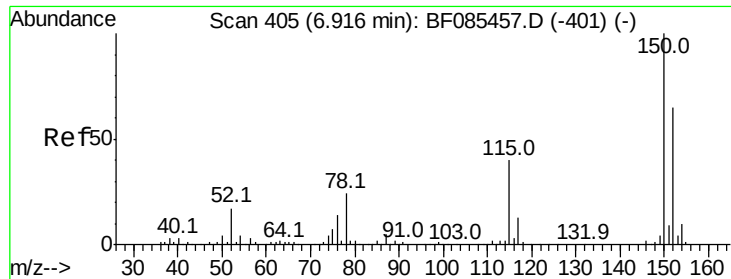
Instrument :
BNA_F
ClientSampleId :
SP-2

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 15 18:57:05 2016
Response via : Initial Calibration





#1

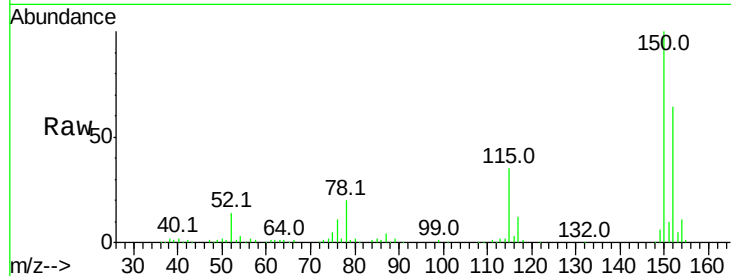
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 404
Delta R.T. -0.01 min
Lab File: BF085486.D
Acq: 17 Mar 2016 2:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	55.2	46.6	70.0

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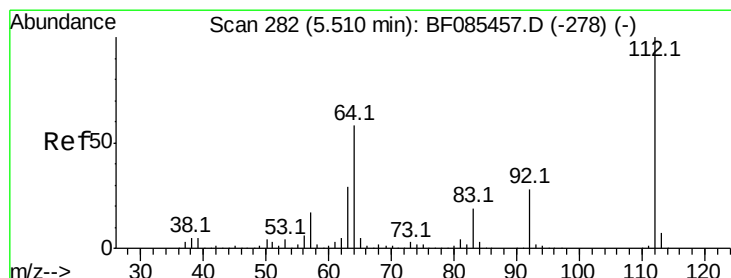
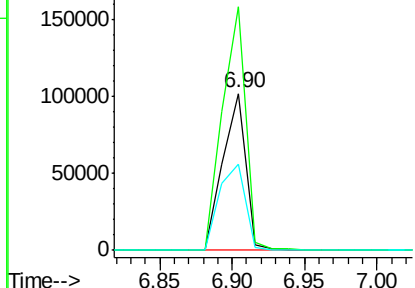
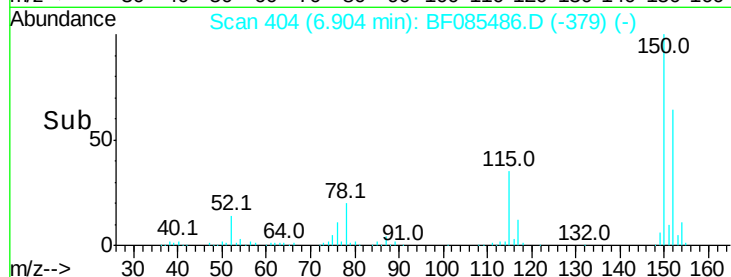


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

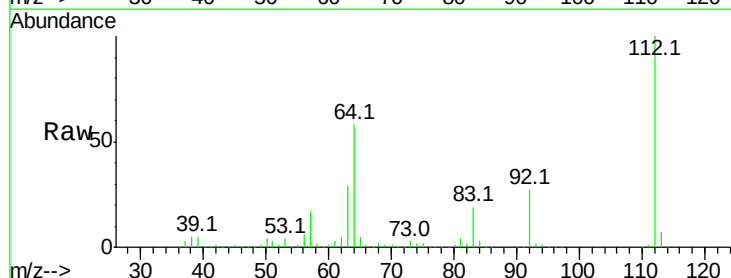
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 145.03 ng
RT: 5.50 min Scan# 281
Delta R.T. -0.01 min
Lab File: BF085486.D
Acq: 17 Mar 2016 2:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	49.0	73.4
63	28.9	24.8	37.2

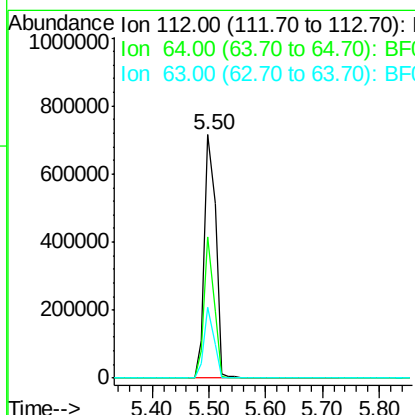
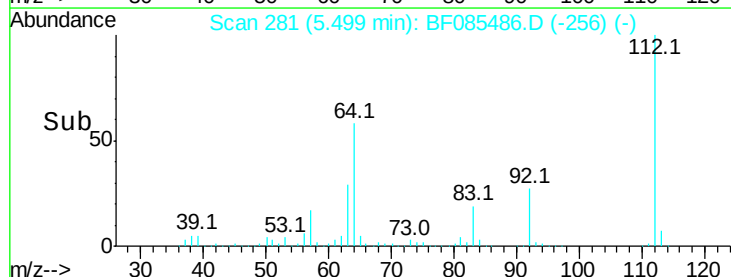


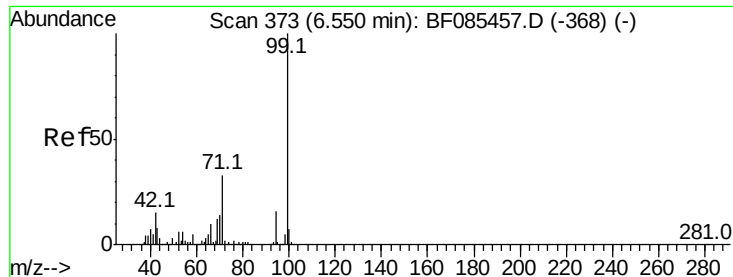
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.55 ng

RT: 6.53 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Instrument :

BNA_F

ClientSampleId :

SP-2

Tot Ion: 99 Resp: 1140901

Ion Ratio Lower Upper

99 100

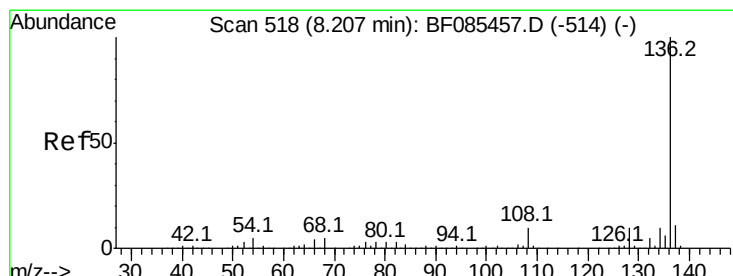
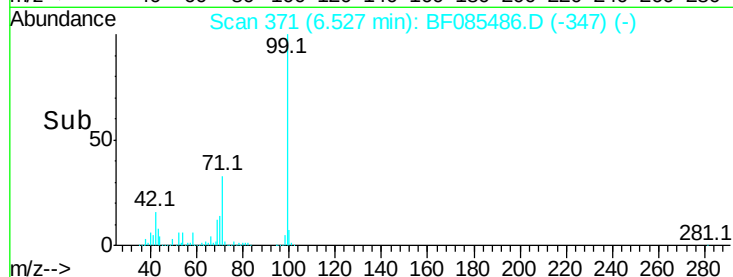
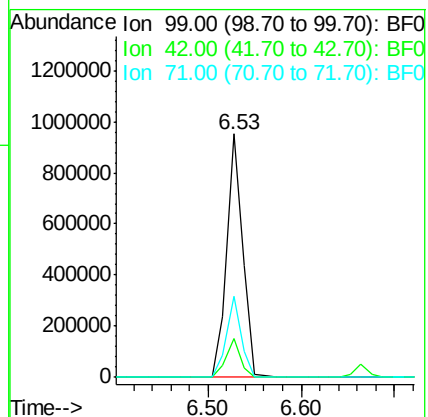
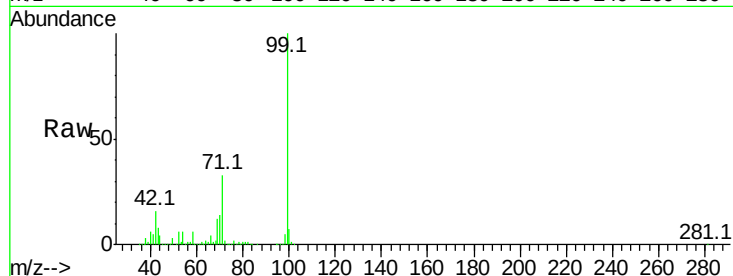
42 15.7 13.6 20.4

71 33.2 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 516

Delta R.T. -0.02 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Tgt Ion: 136 Resp: 469390

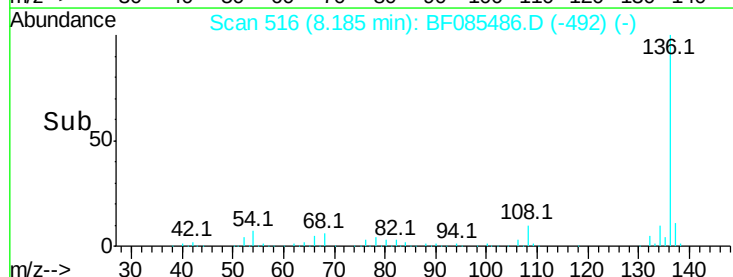
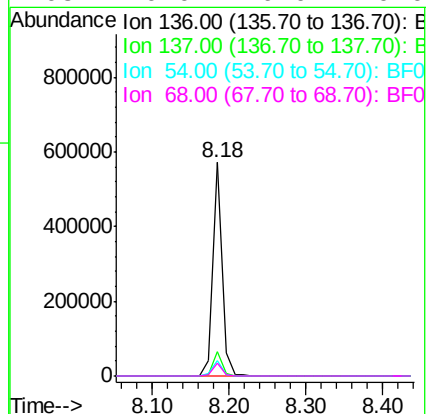
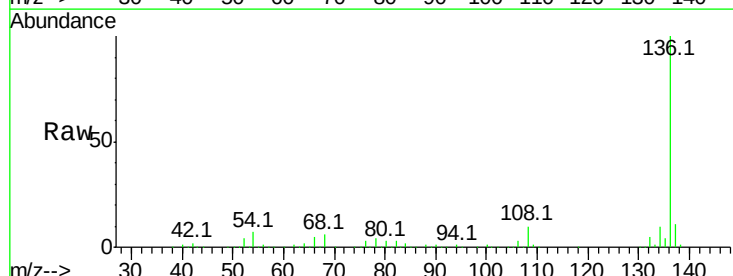
Ion Ratio Lower Upper

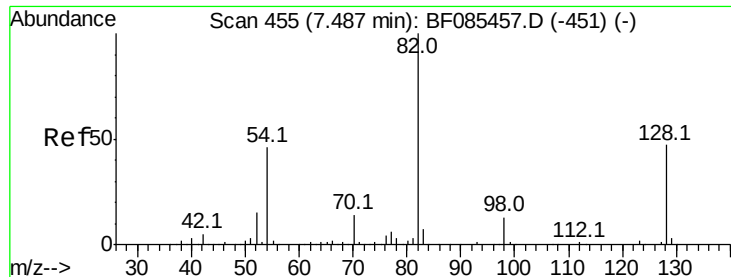
136 100

137 11.3 9.3 13.9

54 7.1 7.4 11.2#

68 6.0 6.0 9.0#





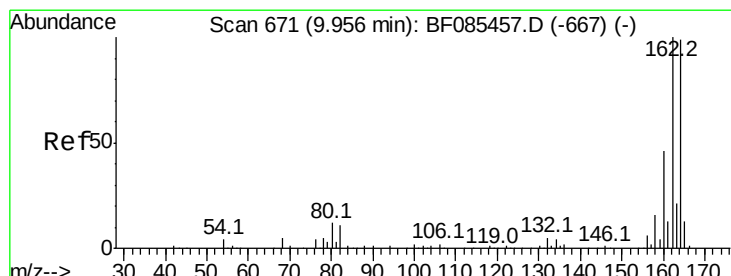
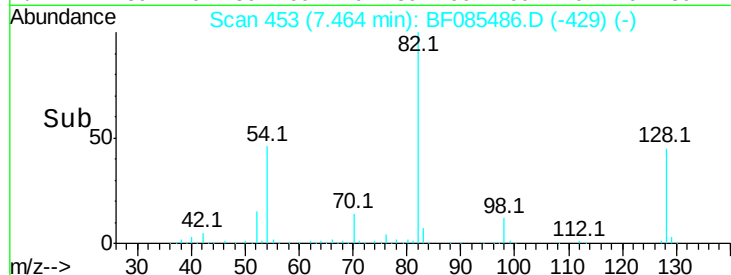
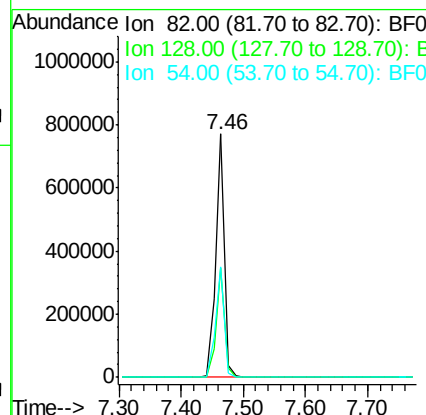
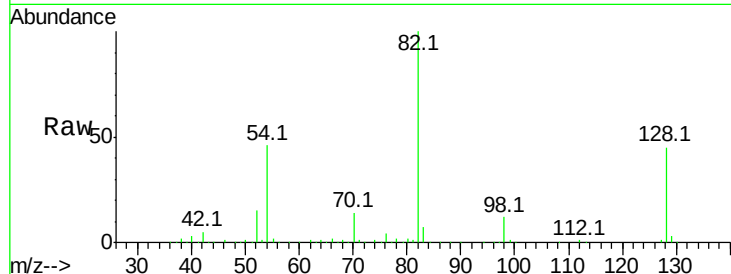
#23
 Nitrobenzene-d5
 Concen: 93.19 ng
 RT: 7.46 min Scan# 453
 Delta R.T. -0.02 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

Instrument :
 BNA_F
 ClientSampled :
 SP-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.5	51.7
54	45.6	39.3	58.9

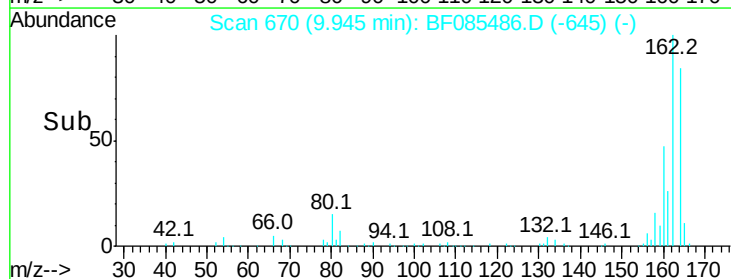
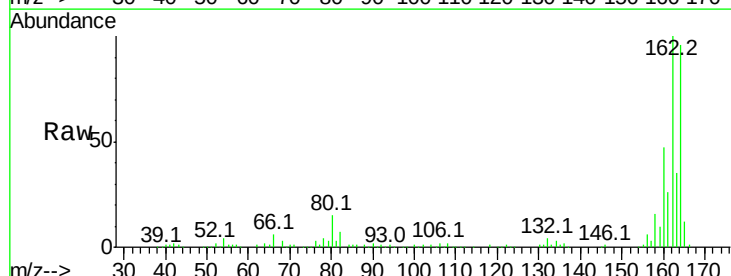
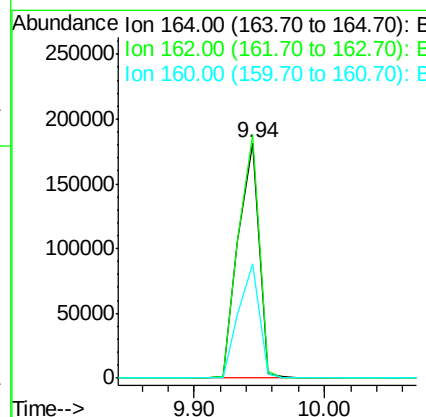
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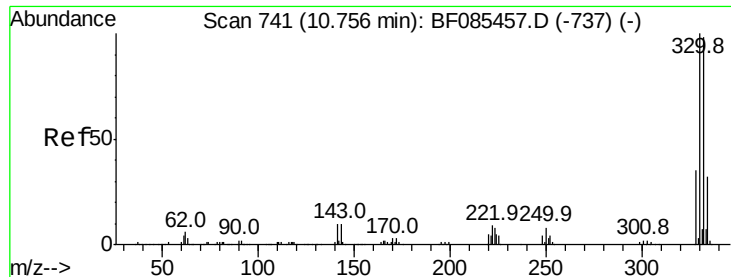
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.3	124.9
160	48.7	37.9	56.9





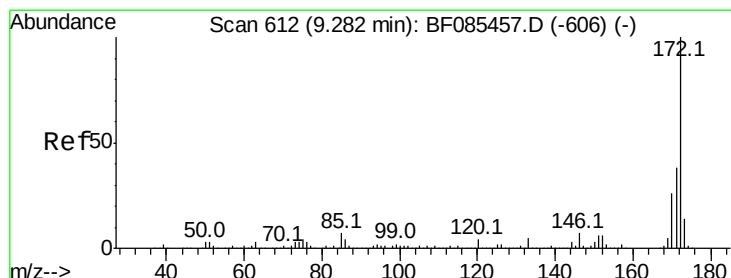
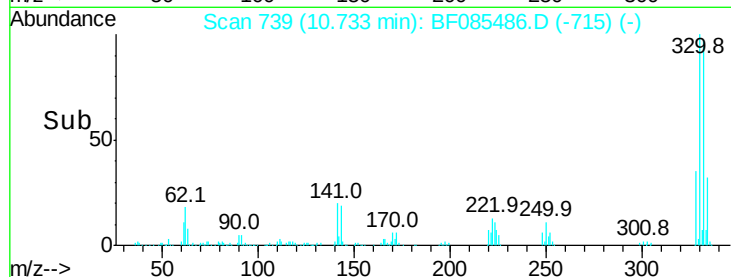
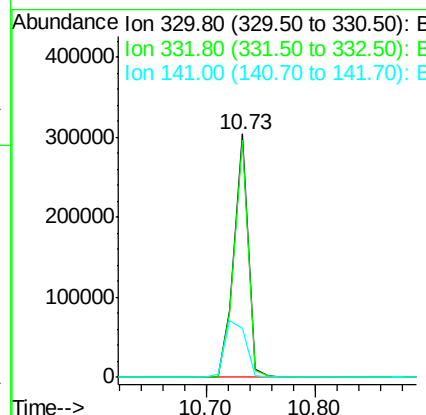
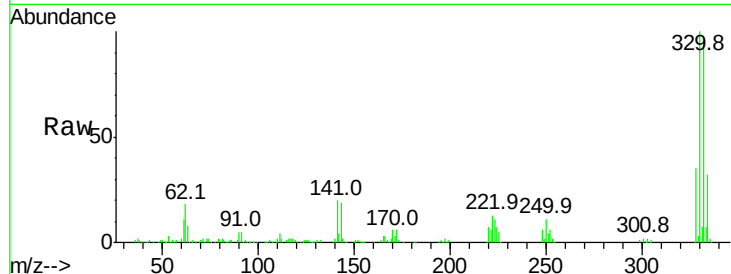
#41
 2,4,6-Tribromophenol
 Concen: 149.29 ng
 RT: 10.73 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	276174		
332	97.0	77.1	115.7	
141	34.7	35.0	52.6	

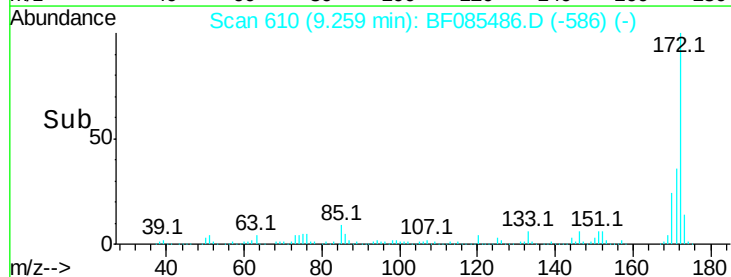
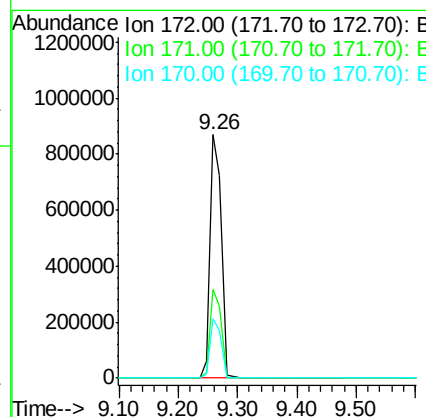
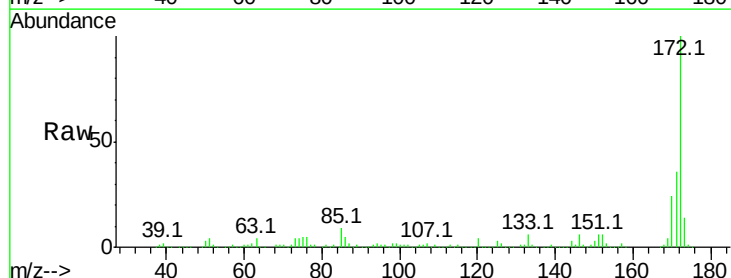
Manual Integrations
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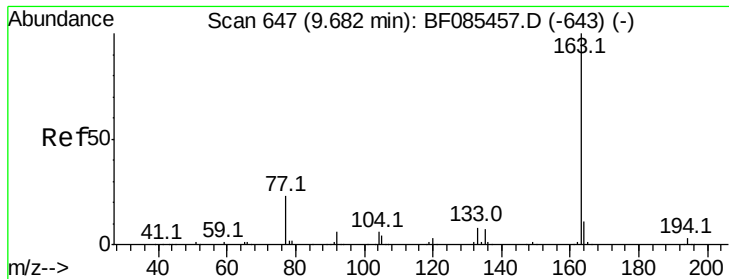
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#44
 2-Fluorobiphenyl
 Concen: 99.66 ng
 RT: 9.26 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1153796		
171	36.3	29.3	43.9	
170	24.2	20.0	30.0	





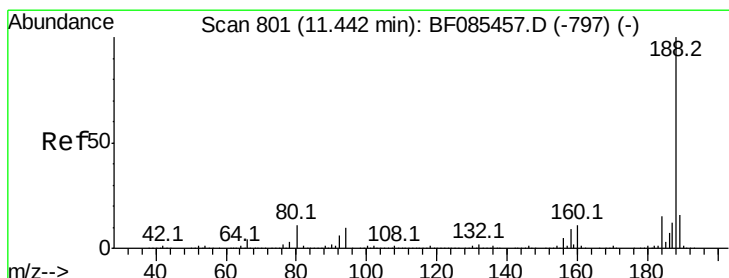
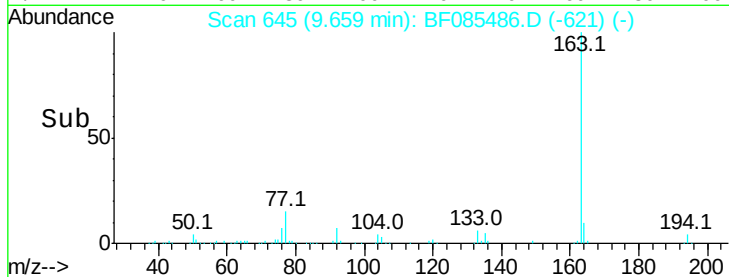
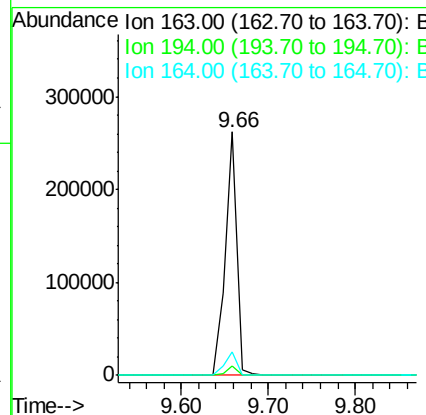
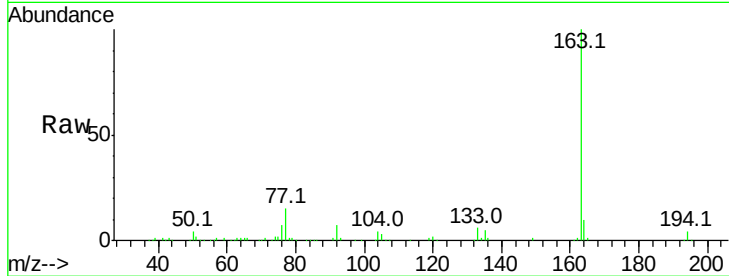
#49
Dimethylphthalate
Concen: 16.96 ng
RT: 9.66 min Scan# 645
Delta R.T. -0.02 min
Lab File: BF085486.D
Acq: 17 Mar 2016 2:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	248478		
194	3.9		3.1	4.7
164	9.7		8.2	12.4

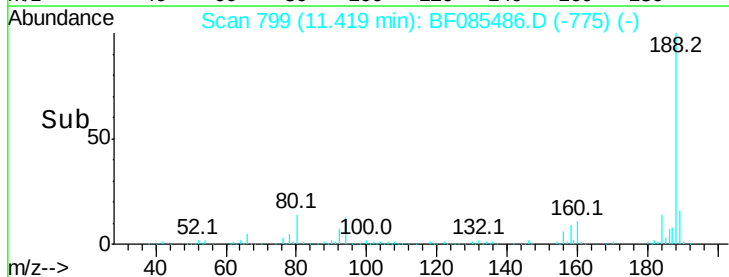
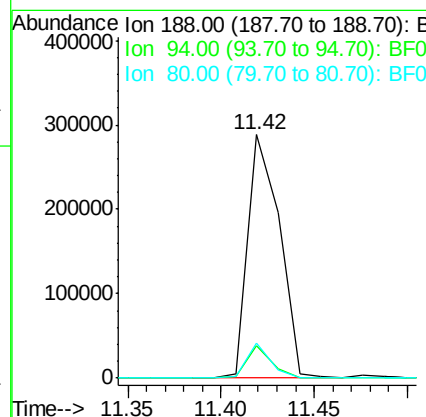
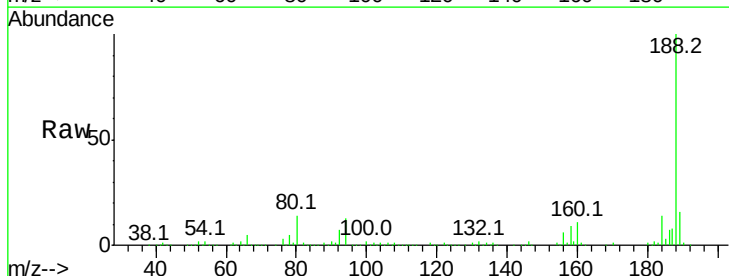
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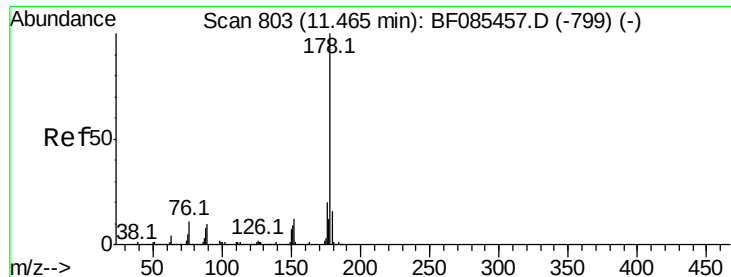
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF085486.D
Acq: 17 Mar 2016 2:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	340749		
94	13.4		7.0	10.6#
80	14.3		7.4	11.0#





#70

Phenanthrene

Concen: 2.88 ng

RT: 11.44 min Scan# 801

Delta R.T. -0.02 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Instrument :

BNA_F

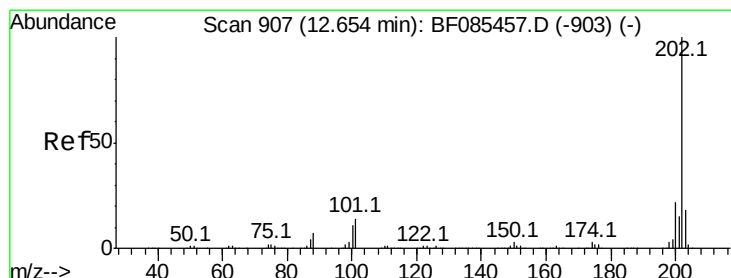
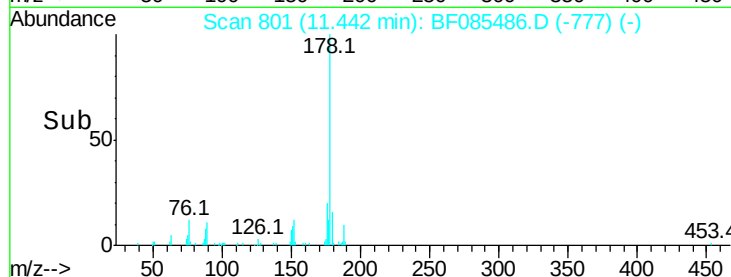
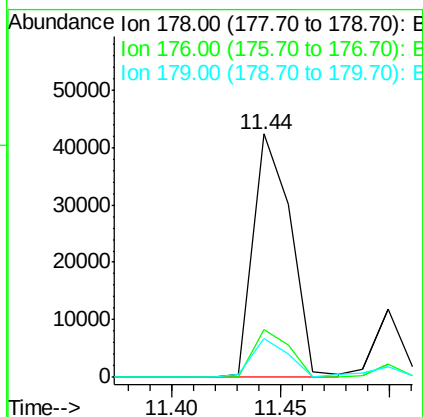
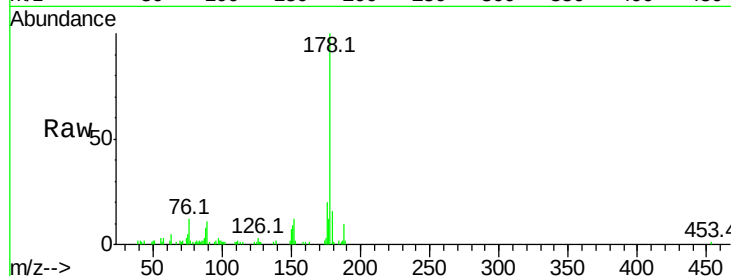
ClientSampled :

SP-2

Tot Ion:	178	Resp:	51055
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.8	25.2
179	16.1	13.1	19.7

Manual Integrations
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#74

Fluoranthene

Concen: 4.92 ng

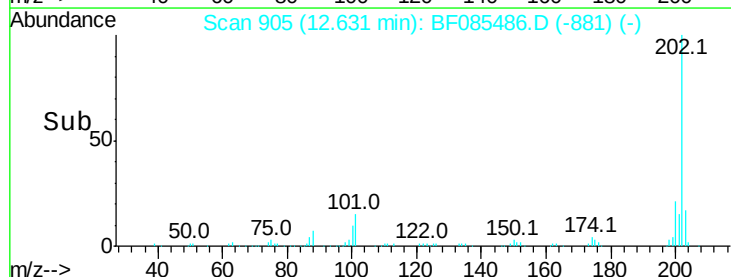
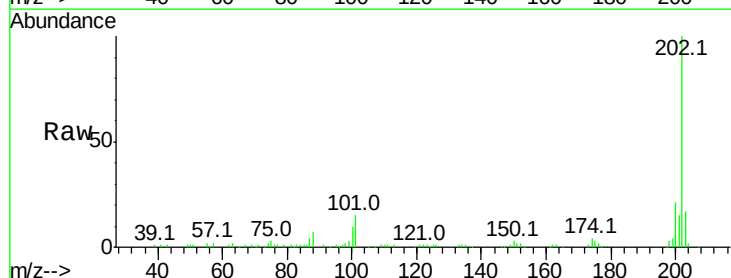
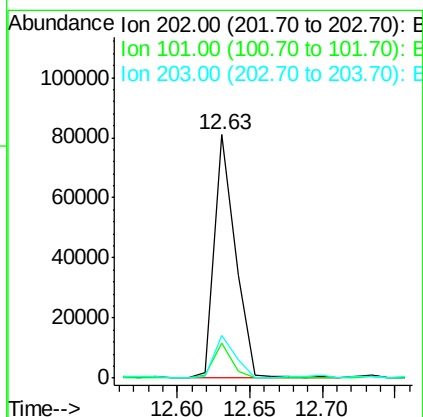
RT: 12.63 min Scan# 905

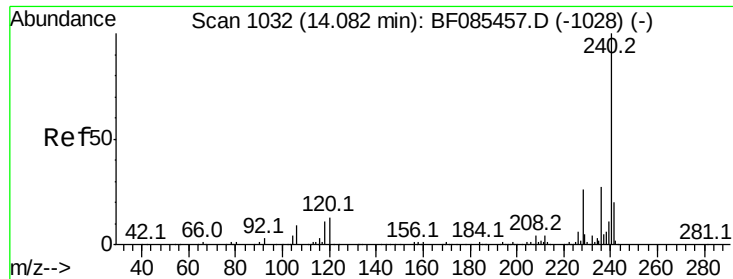
Delta R.T. -0.02 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Tgt Ion:	202	Resp:	82062
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	31.8
203	17.3	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Instrument :

BNA_F

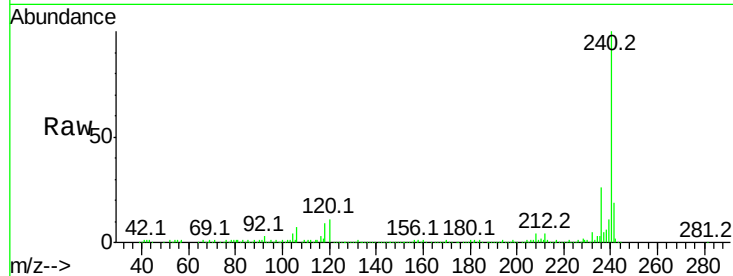
ClientSampleId :

SP-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	5.3	7.9#
236	25.9	20.7	31.1

Manual Integrations
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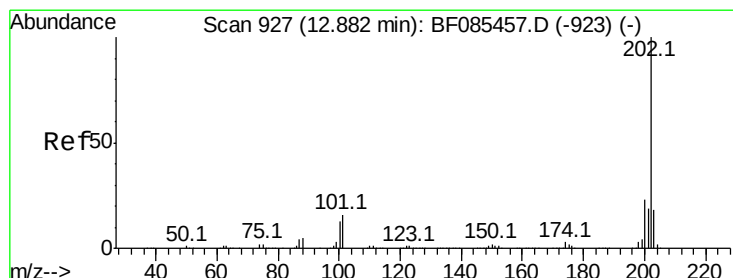
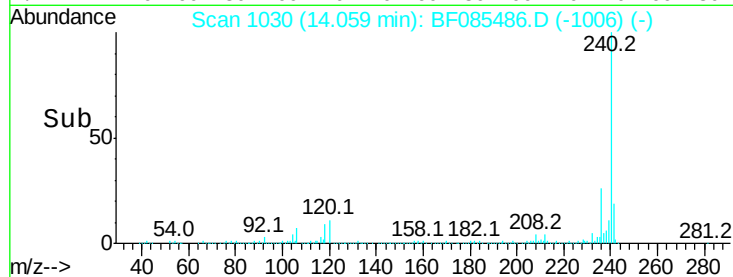
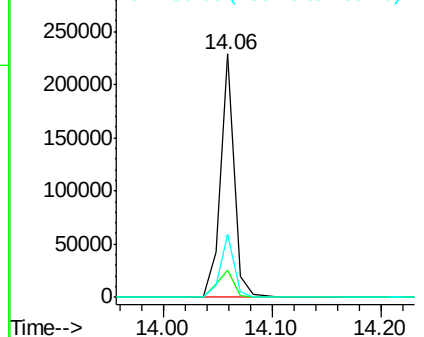
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.49 ng

RT: 12.86 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF085486.D

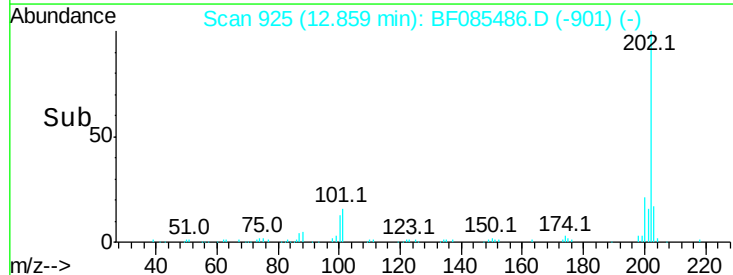
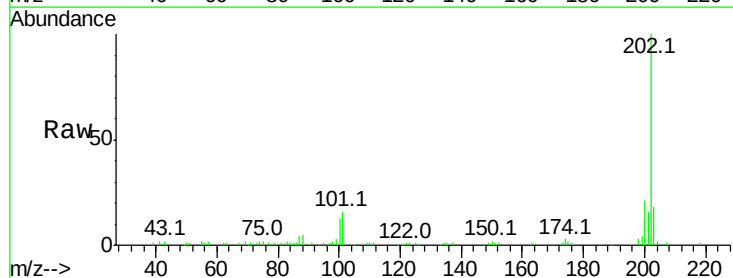
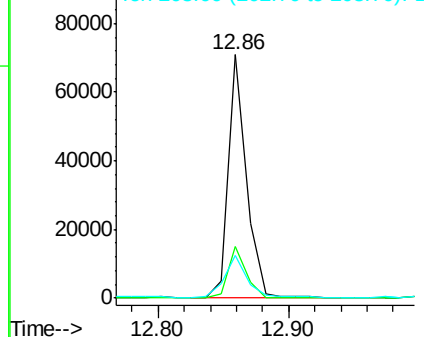
Acq: 17 Mar 2016 2:56

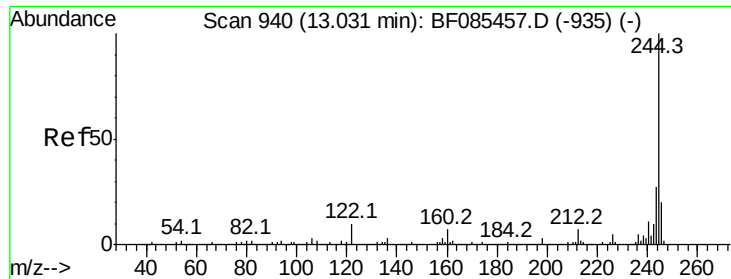
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.2	27.4
203	17.8	14.7	22.1

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





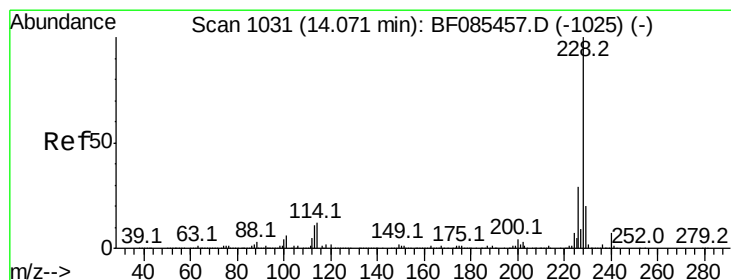
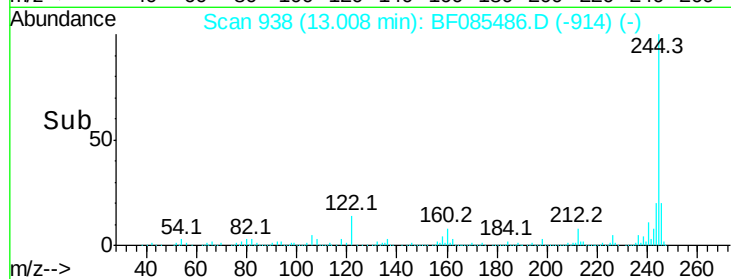
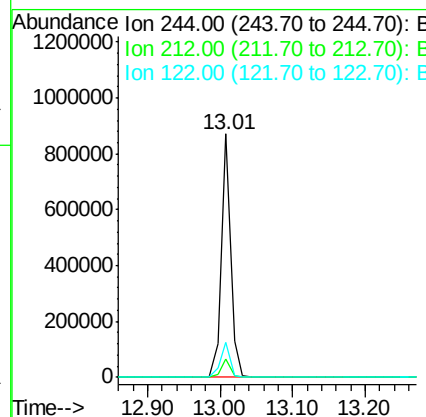
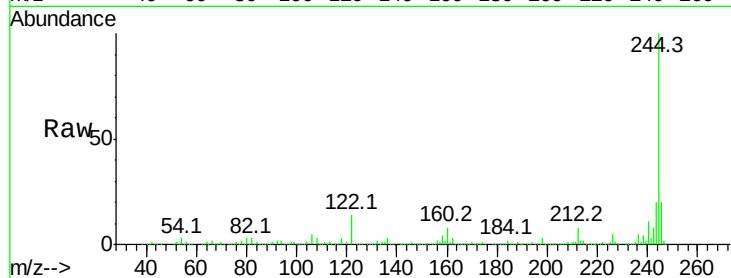
#78
 Terphenyl-d14
 Concen: 86.33 ng
 RT: 13.01 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

Instrument :
 BNA_F
 ClientSampled :
 SP-2

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.8	6.4	9.6
122	14.2	11.4	17.2

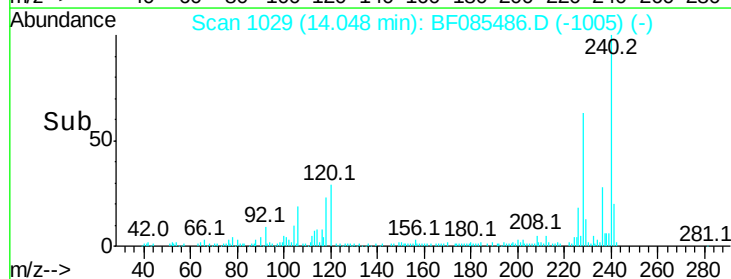
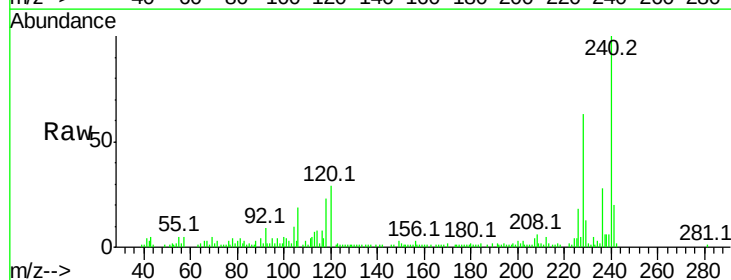
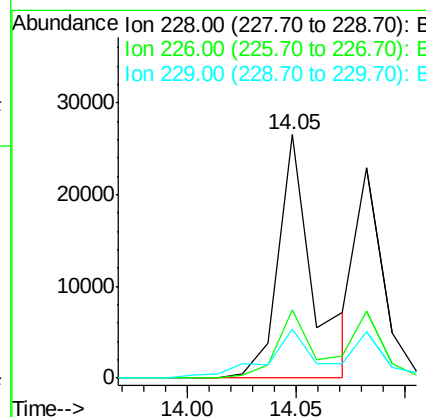
Manual Integrations
 APPROVED

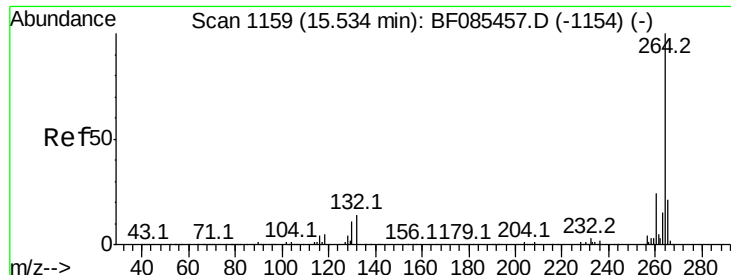
Sohil
 3/17/2016 5:20:20 PM



#80
 Benzo(a)anthracene
 Concen: 2.56 ng
 RT: 14.05 min Scan# 1029
 Delta R.T. -0.02 min
 Lab File: BF085486.D
 Acq: 17 Mar 2016 2:56

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.1	22.8	34.2
229	20.1	16.6	24.8





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Instrument :

BNA_F

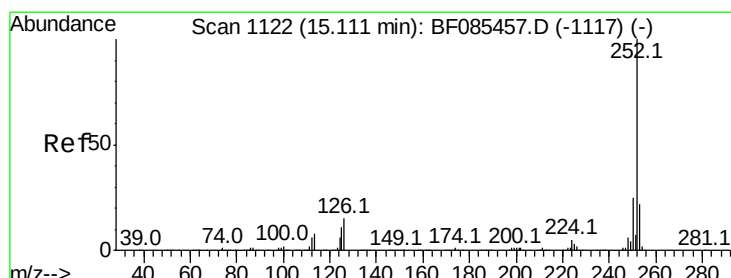
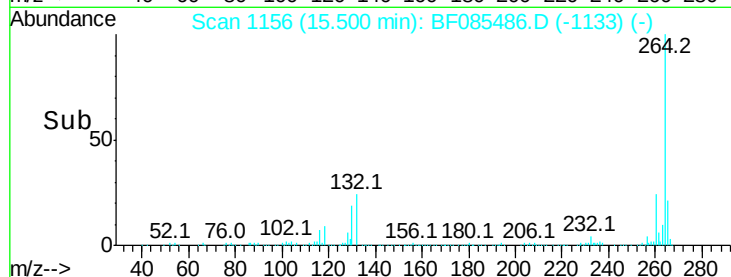
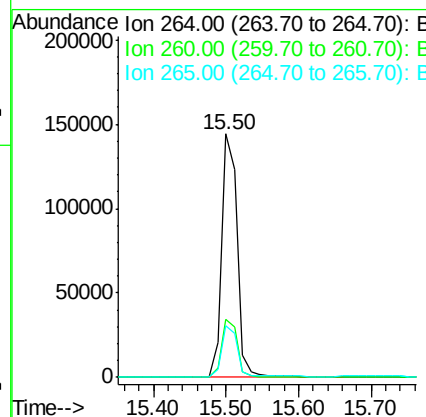
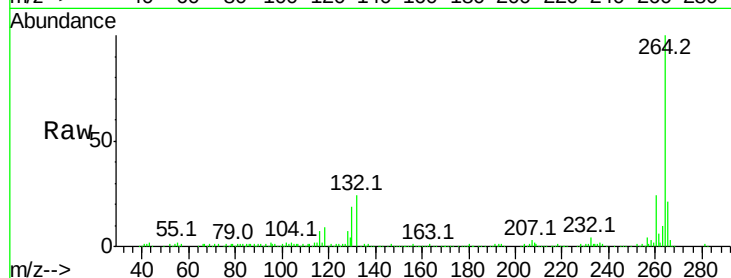
ClientSampled :

SP-2

Tot Ion:	264	Resp:	214031
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	21.3	17.3	25.9

Manual Integrations
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3/17/2016 5:20:20 PM



#87

Benzo(b)fluoranthene

Concen: 2.42 ng m

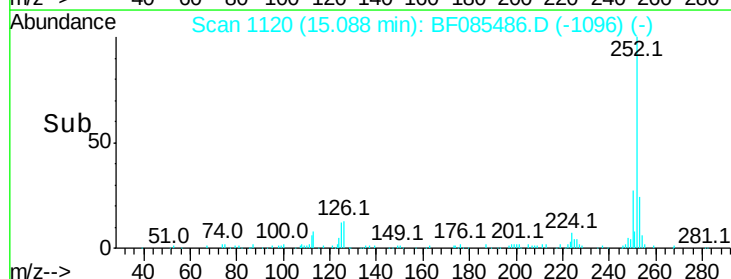
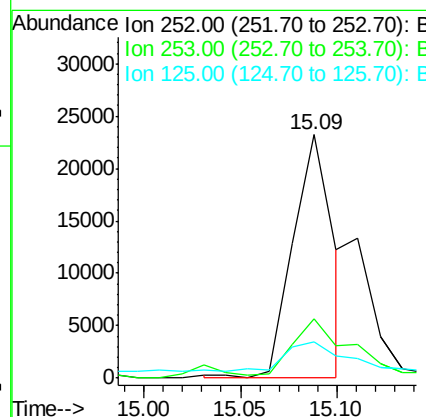
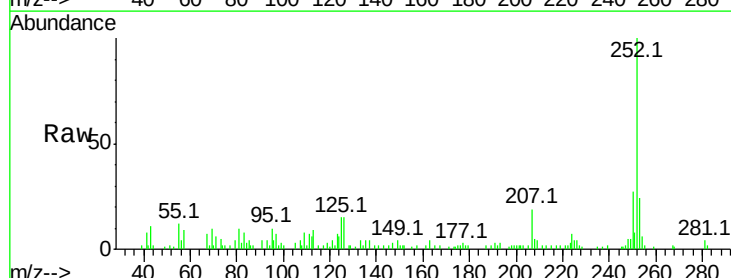
RT: 15.09 min Scan# 1120

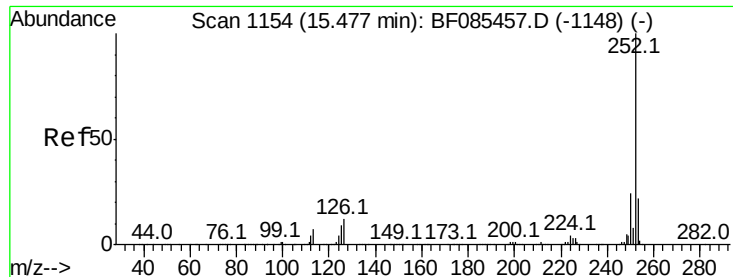
Delta R.T. -0.02 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Tgt Ion:	252	Resp:	33782
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	15.0	11.3	16.9





#89

Benzo(a)pyrene

Concen: 2.12 ng

RT: 15.44 min Scan# 1151

Delta R.T. -0.03 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Instrument :

BNA_F

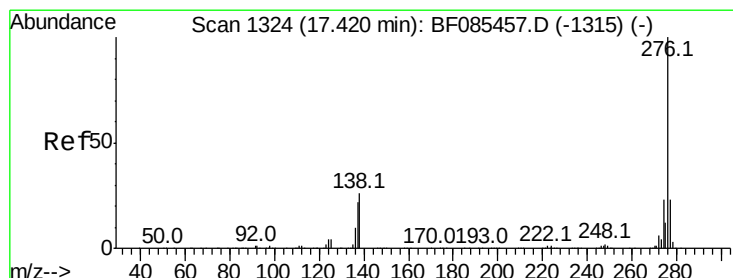
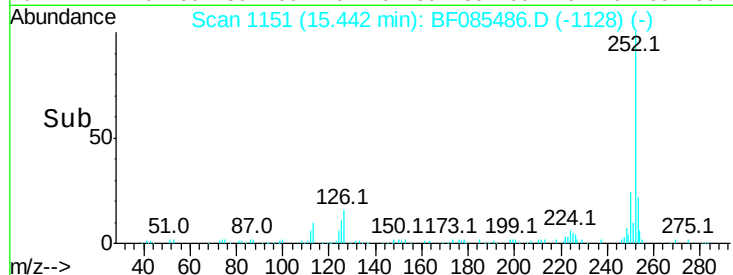
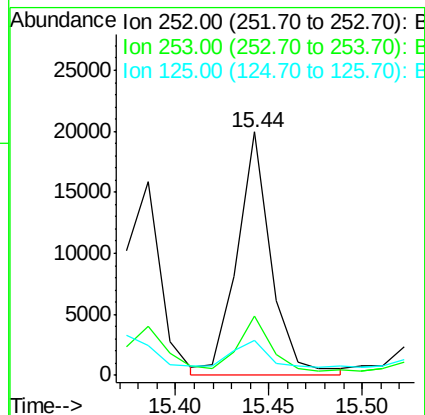
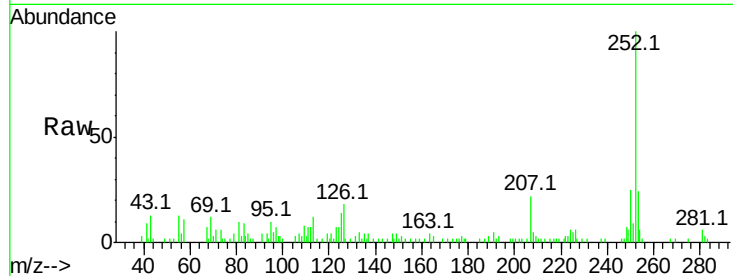
ClientSampled :

SP-2

Tot Ion:	252	Resp:	25579
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.4	26.0
125	14.4	8.2	12.4#

Manual Integrations
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Sohil
3/17/2016 5:20:20 PM



#91

Benzo(g,h,i)perylene

Concen: 2.09 ng

RT: 17.36 min Scan# 1319

Delta R.T. -0.06 min

Lab File: BF085486.D

Acq: 17 Mar 2016 2:56

Tgt Ion:	276	Resp:	25212
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.0	28.4
138	28.0	22.5	33.7

