

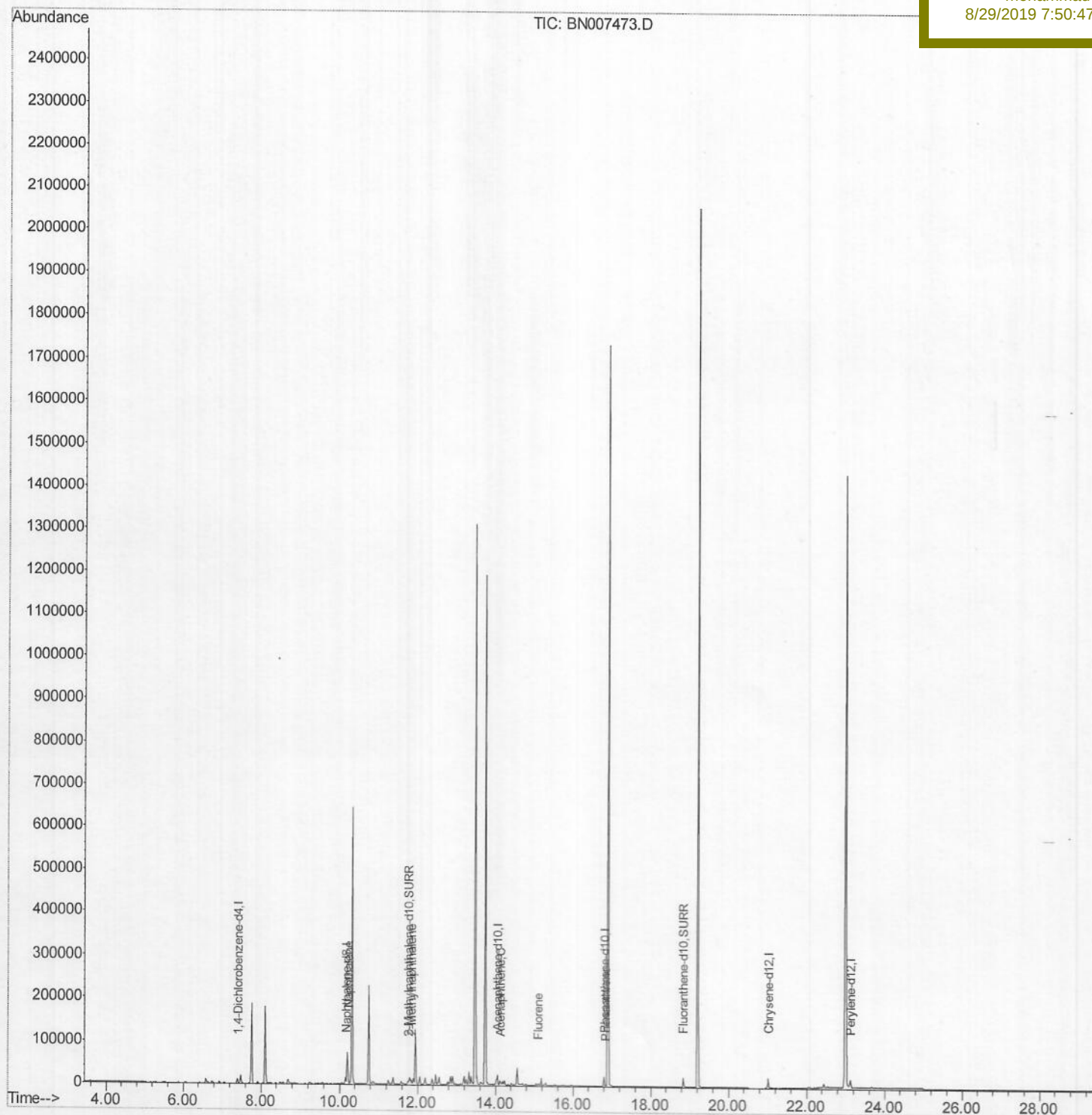
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007473.D
Acq On : 28 Aug 2019 18:00
Operator : HP/JU
Sample : K4373-16
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 19:03:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AD6

Manual Integrations
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8/29/2019 7:50:47 AM



Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 18:58:22 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

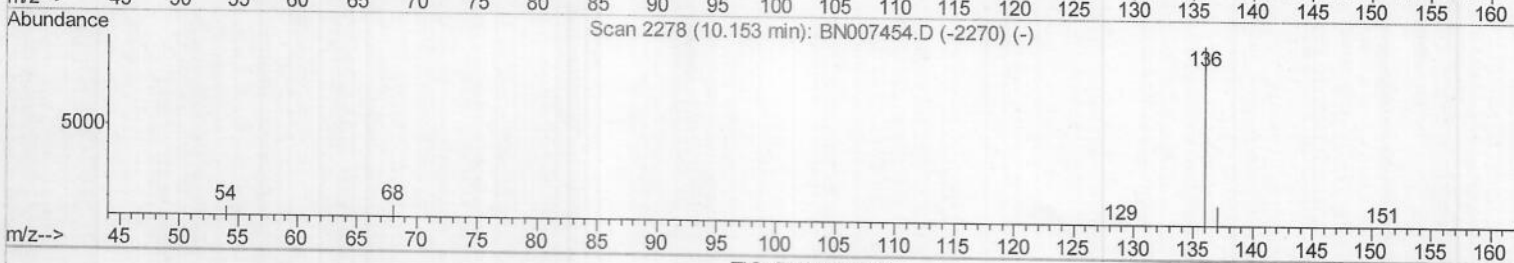
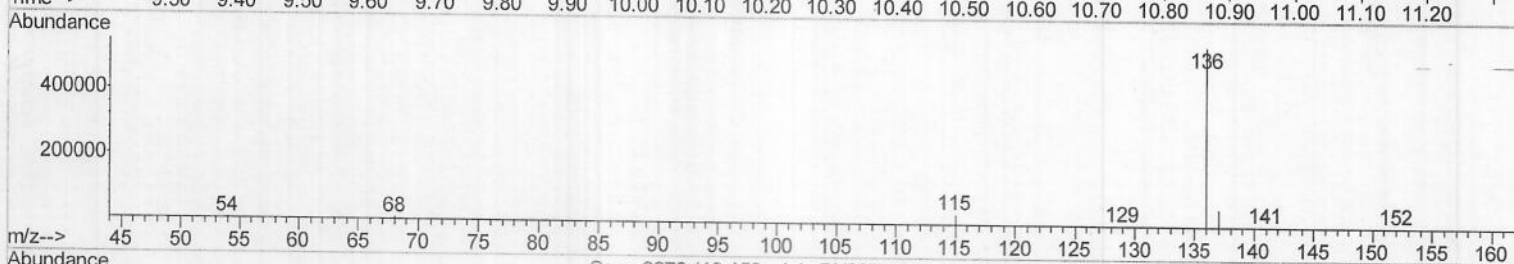
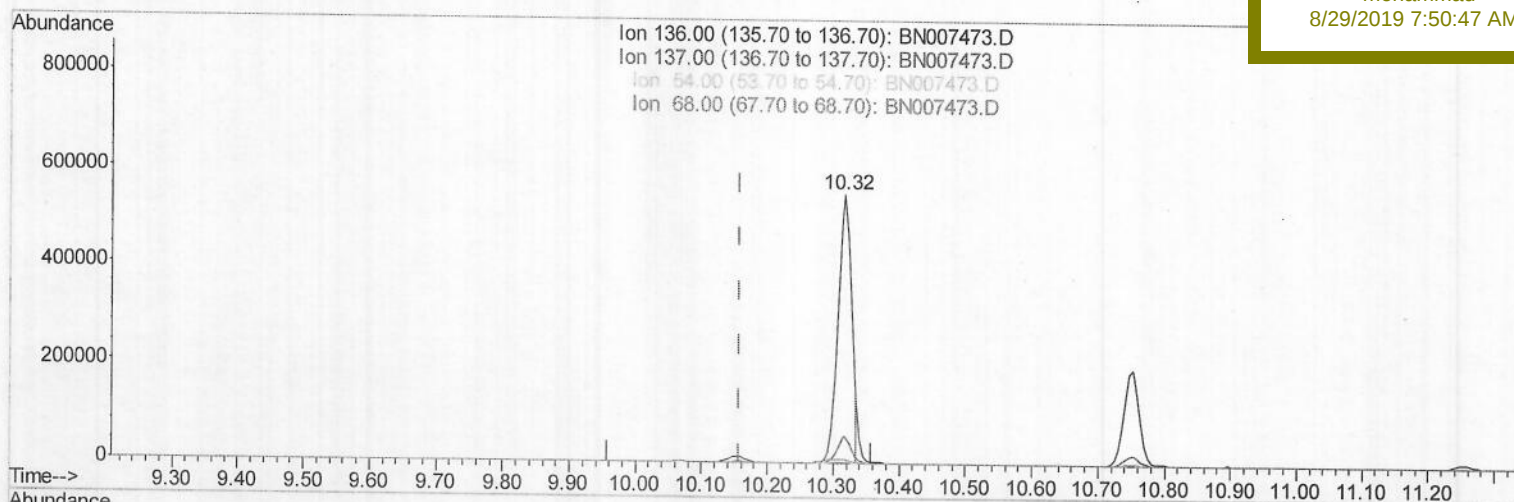
C0AD6

Manual Integrations

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TIC: BN007473.D

(2) Naphthalene-d8 (I)

10.318min (+0.159) 0.40ng/ul

response 832052

Ion	Exp%	Act%
136.00	100	100
137.00	11.50	9.92
54.00	5.70	0.53#
68.00	7.60	1.38#

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 18:58:22 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

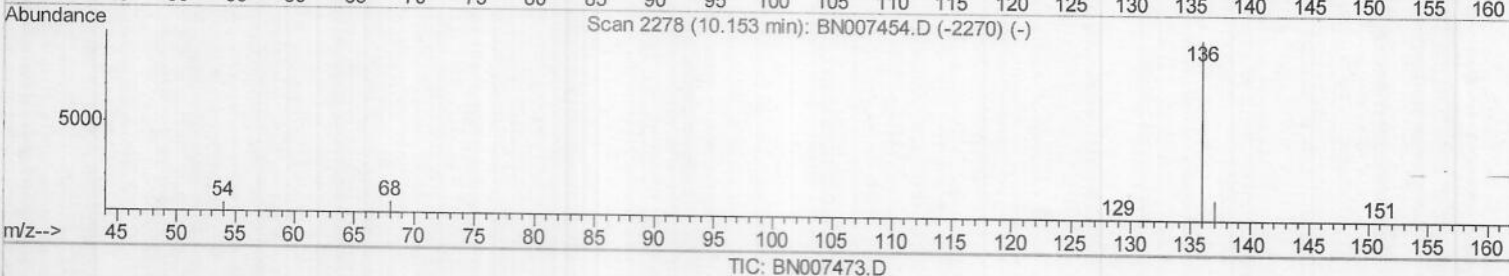
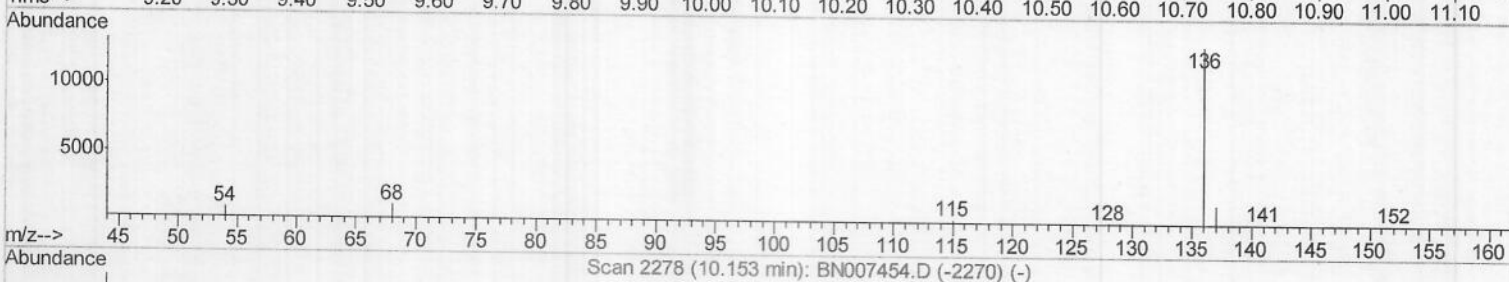
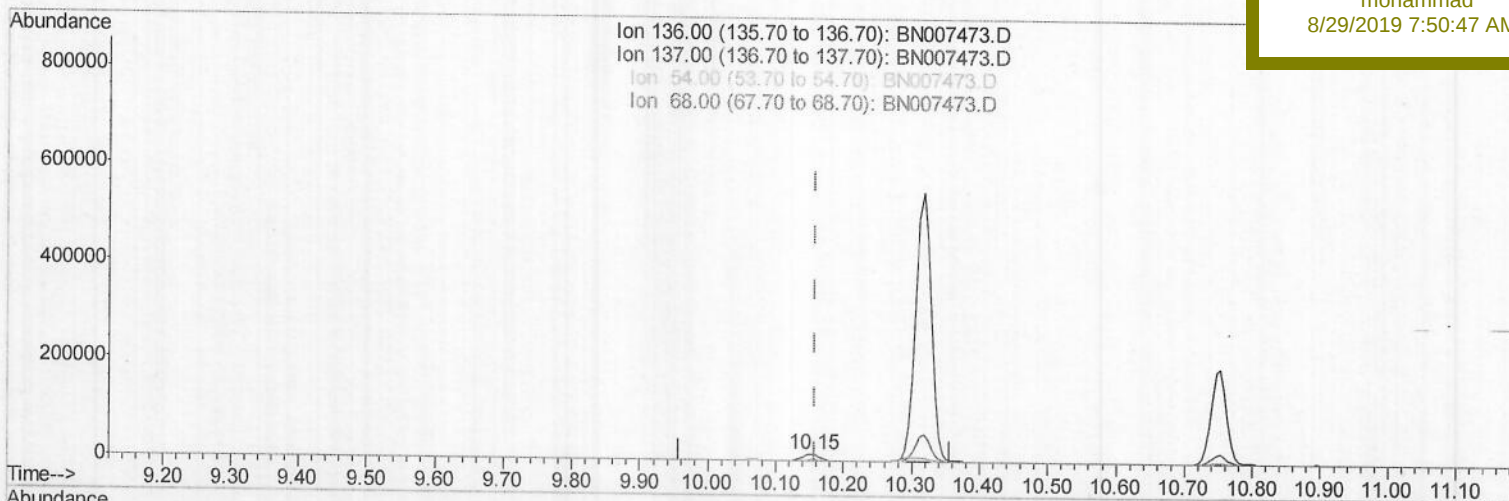
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AD6

Manual Integrations
APPROVEDmohammad
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(2) Naphthalene-d8 (I)

10.153min (-0.006) 0.40ng/ul m) JU
08/29/19

response 21776

Ion	Exp%	Act%
136.00	100	100
137.00	11.50	11.70
54.00	5.70	6.03
68.00	7.60	8.08

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 18:58:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

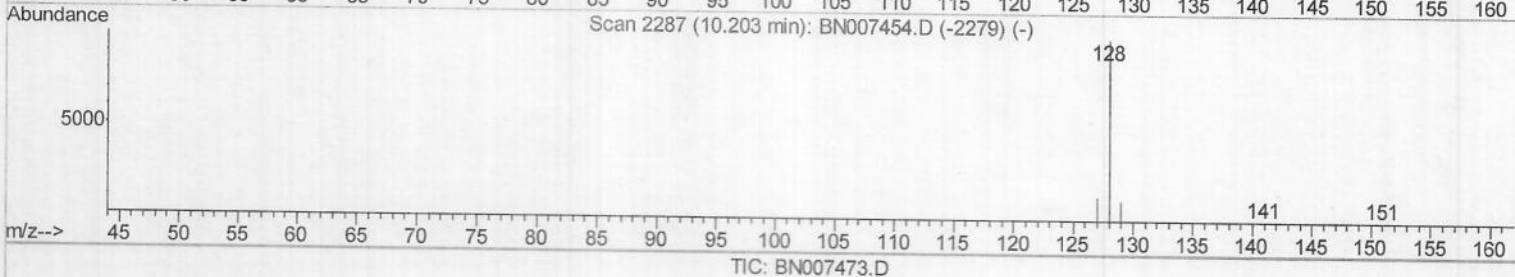
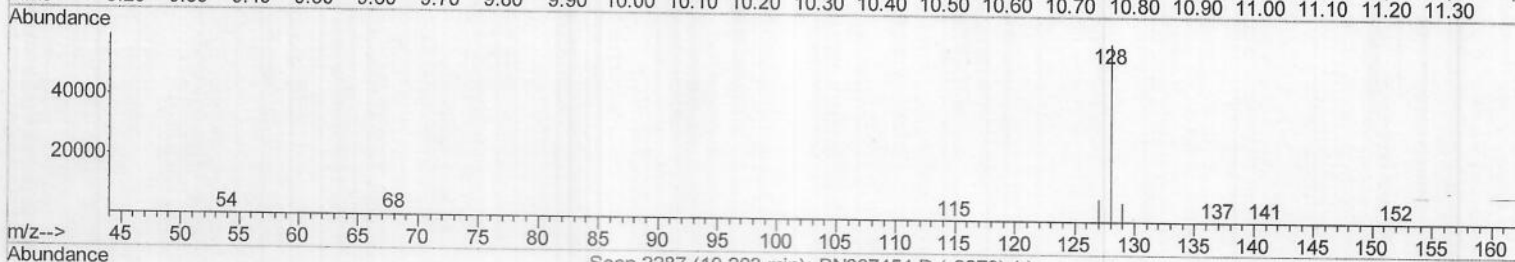
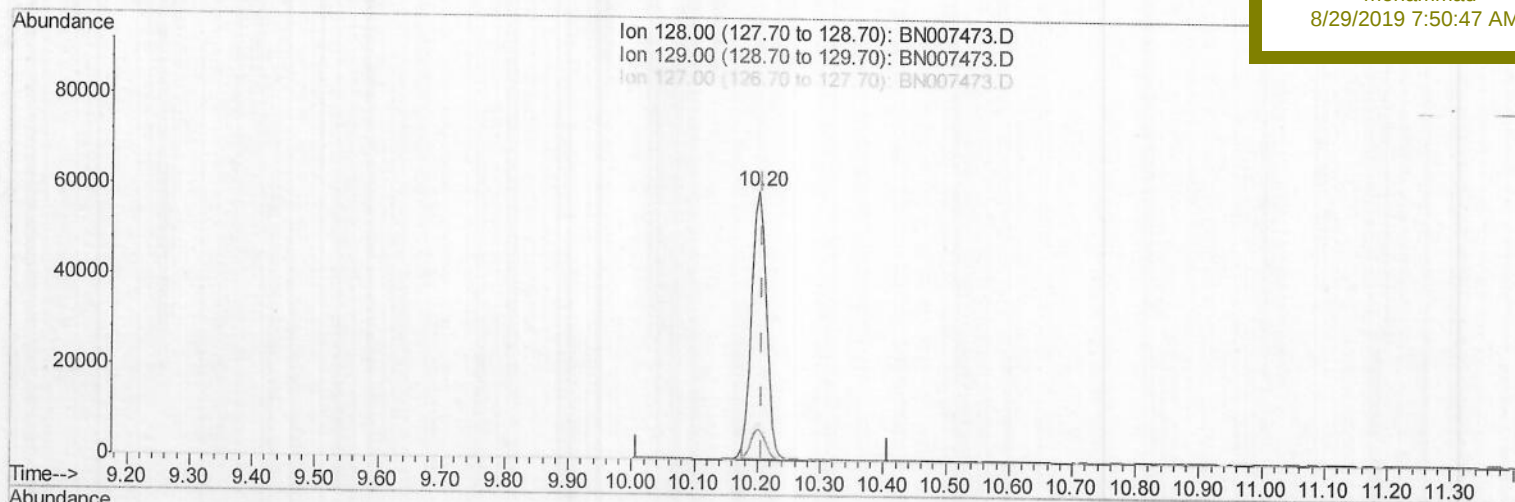
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AD6

Manual Integrations
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8/29/2019 7:50:47 AM

(3) Naphthalene

10.202min (-0.006) 1.57ng/ul

response 96378

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	11.23
127.00	13.00	13.12
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 18:58:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

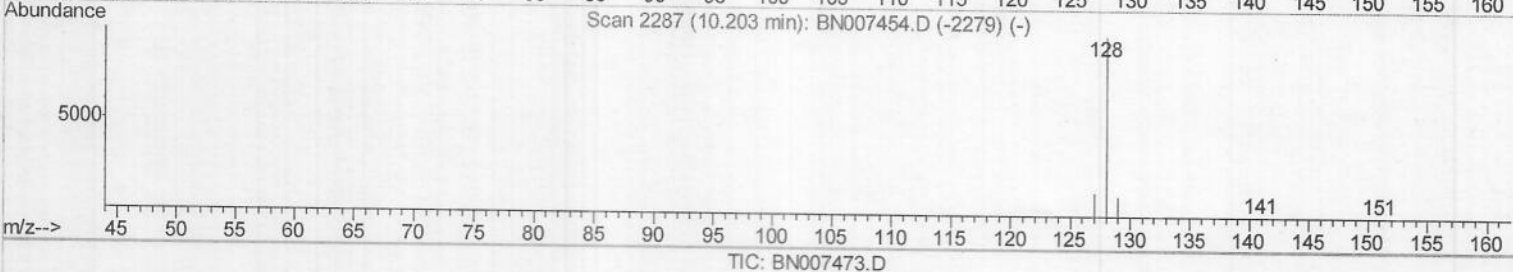
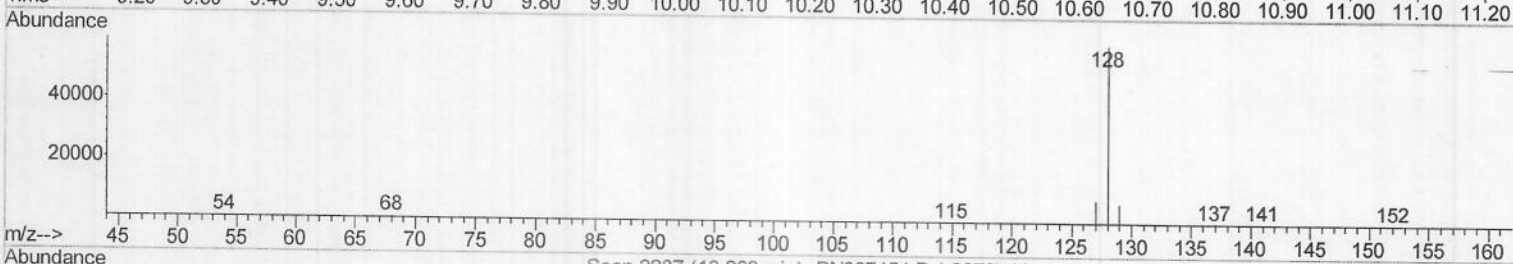
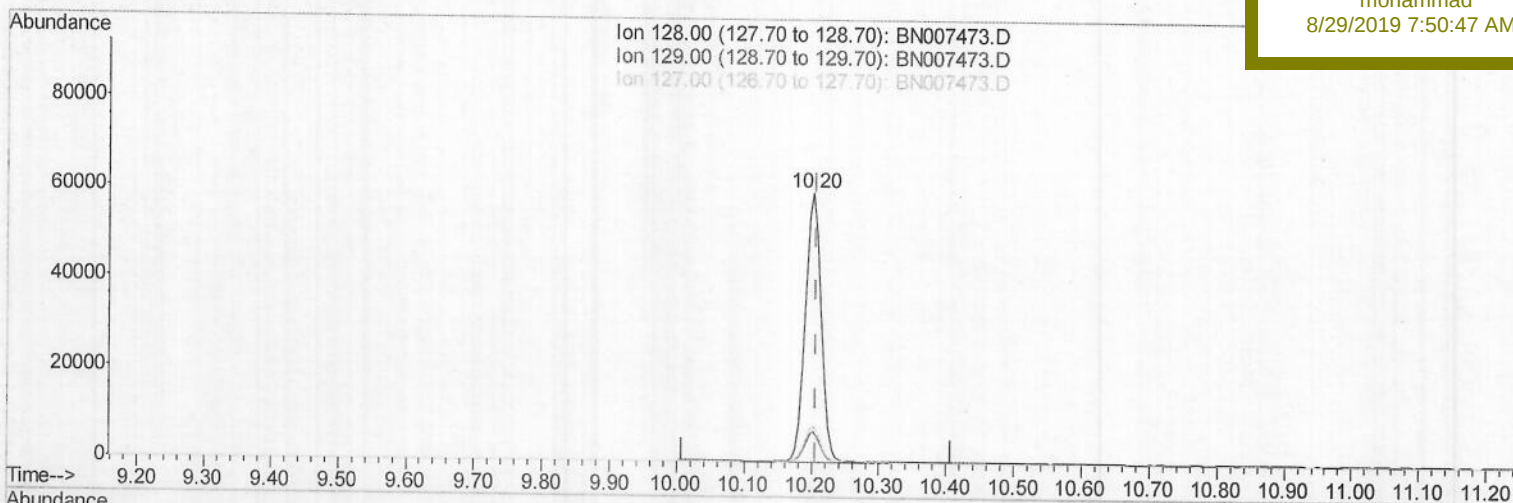
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampled :

C0AD6

Manual Integrations
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8/29/2019 7:50:47 AM

(3) Naphthalene

10.202min (-0.006) 1.59ng/ul m

response 97662

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	11.23
127.00	13.00	13.12
0.00	0.00	0.00

JU
08/29/19

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 18:58:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

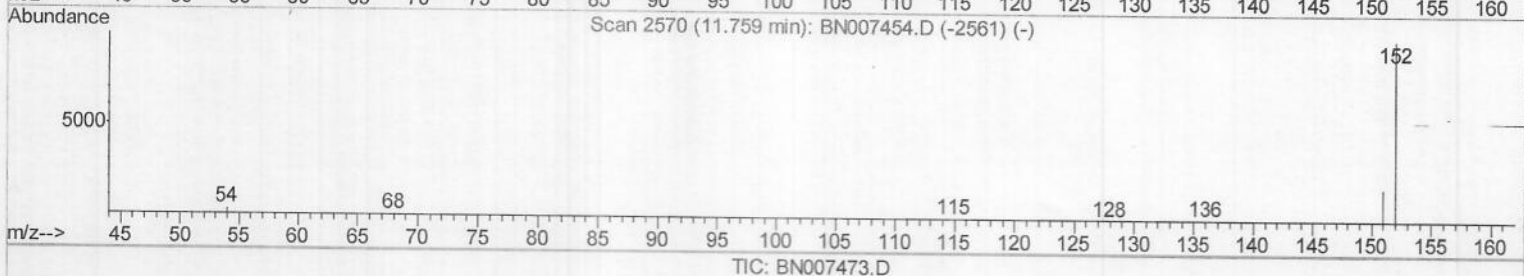
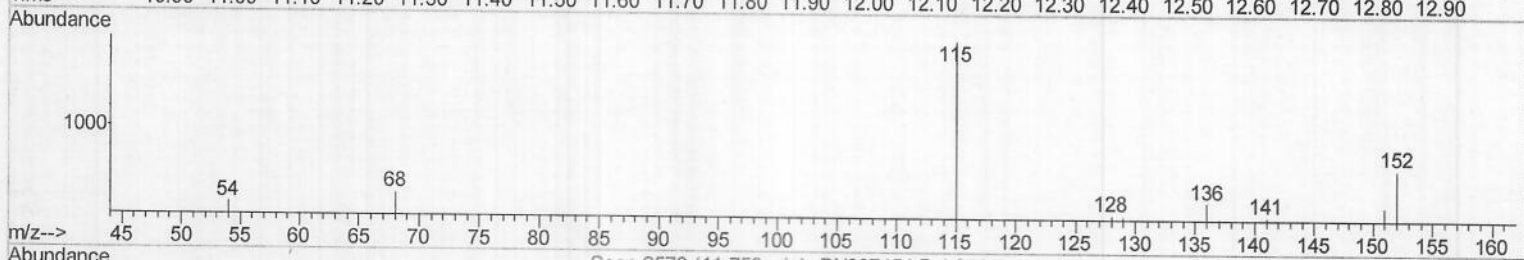
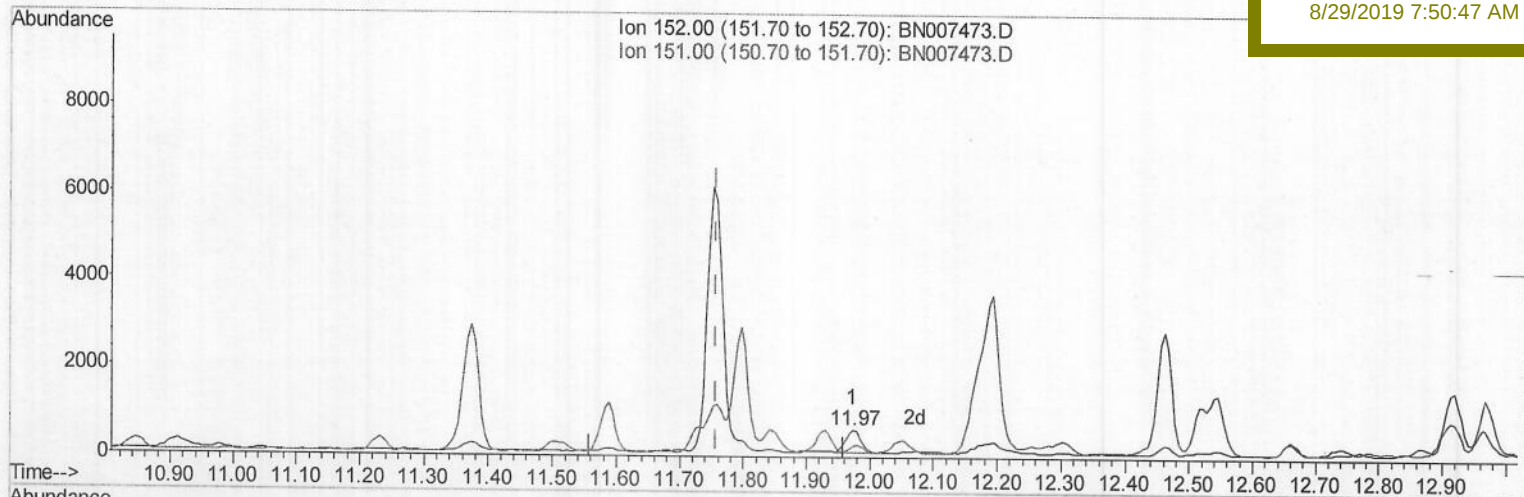
C0AD6

Manual Integrations

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(4) 2-Methylnaphthalene-d10 (SURR)

11.973min (+0.214) 0.03ng/ul

response 860

Ion	Exp%	Act%
152.00	100	100
151.00	19.10	25.70#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 18:58:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

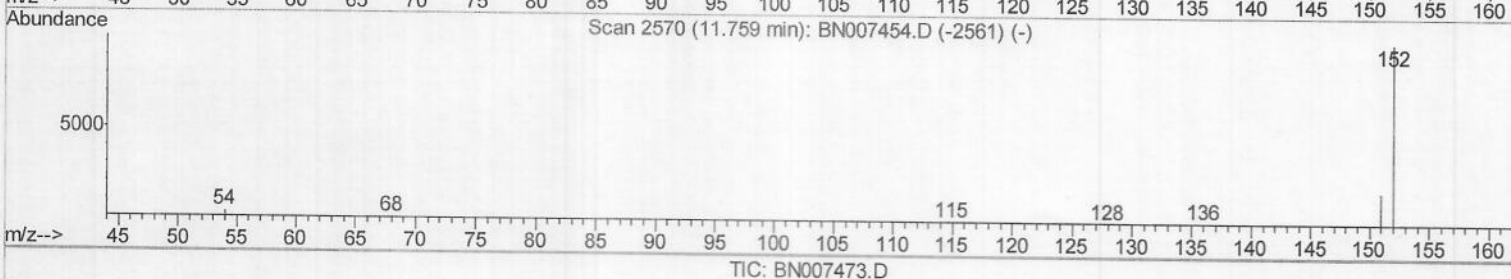
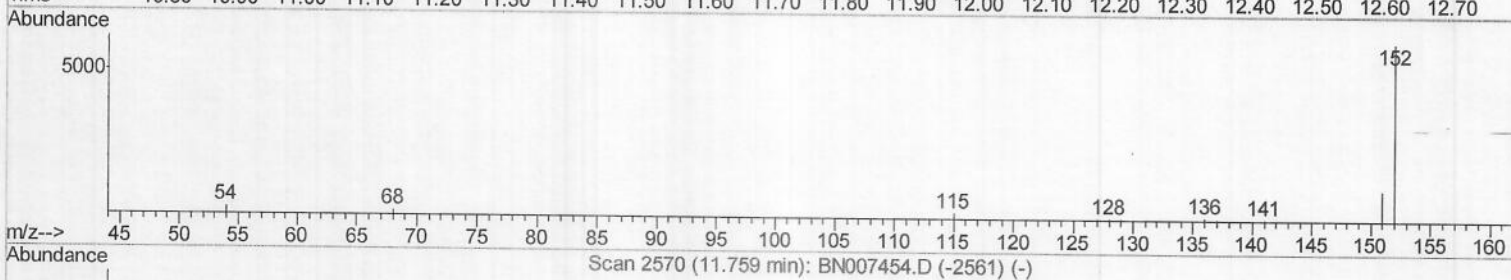
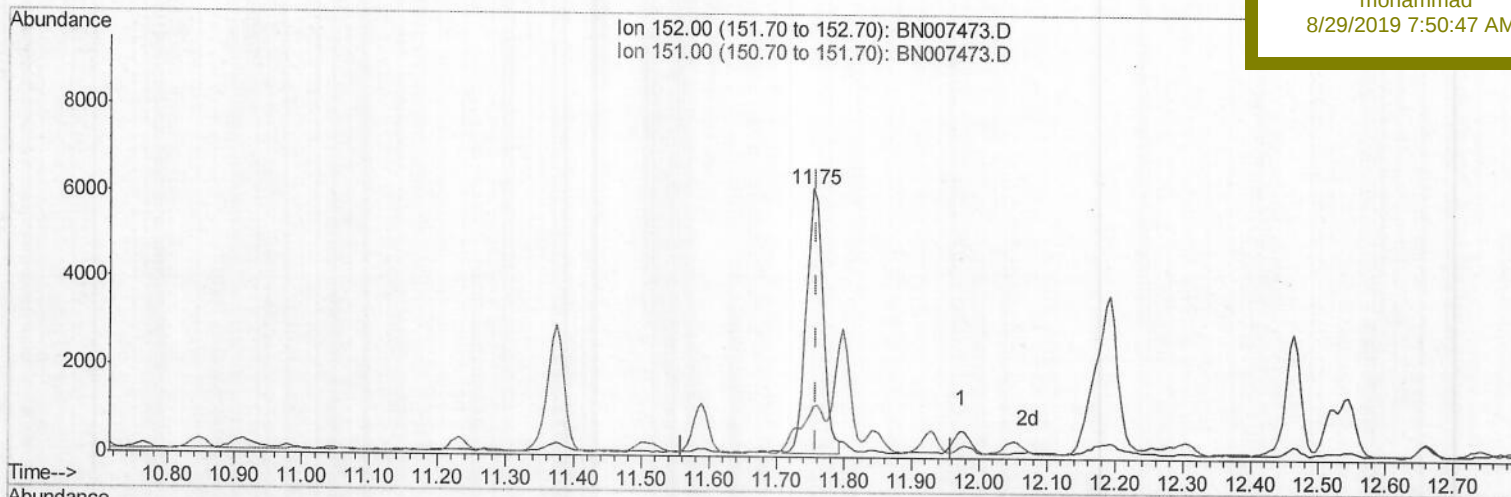
Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

C0AD6

Manual Integrations
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(4) 2-Methylnaphthalene-d10 (SURR)

11.753min (-0.006) 0.30ng/ul m

response 10201

Ion	Exp%	Act%
152.00	100	100
151.00	19.10	2.17#
0.00	0.00	0.00
0.00	0.00	0.00

S JU
08/24/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 18:58:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

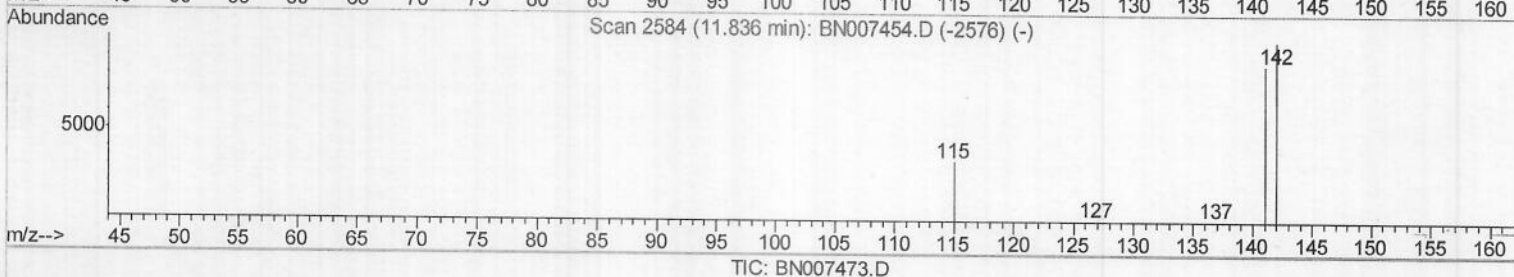
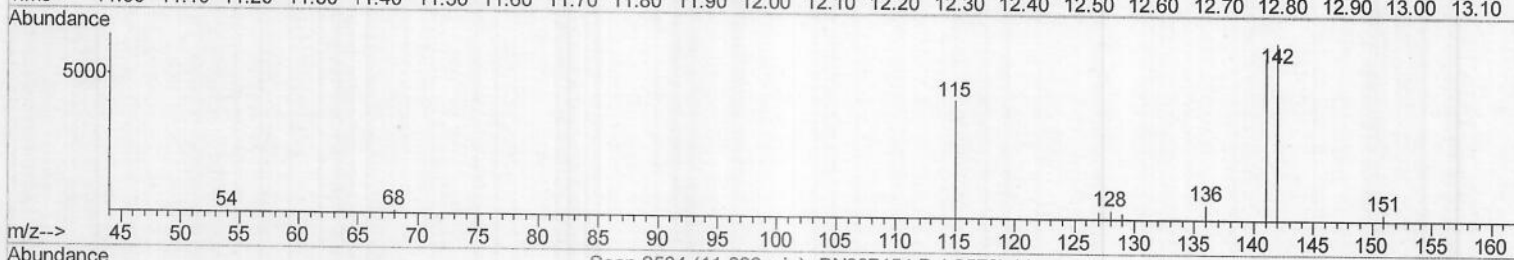
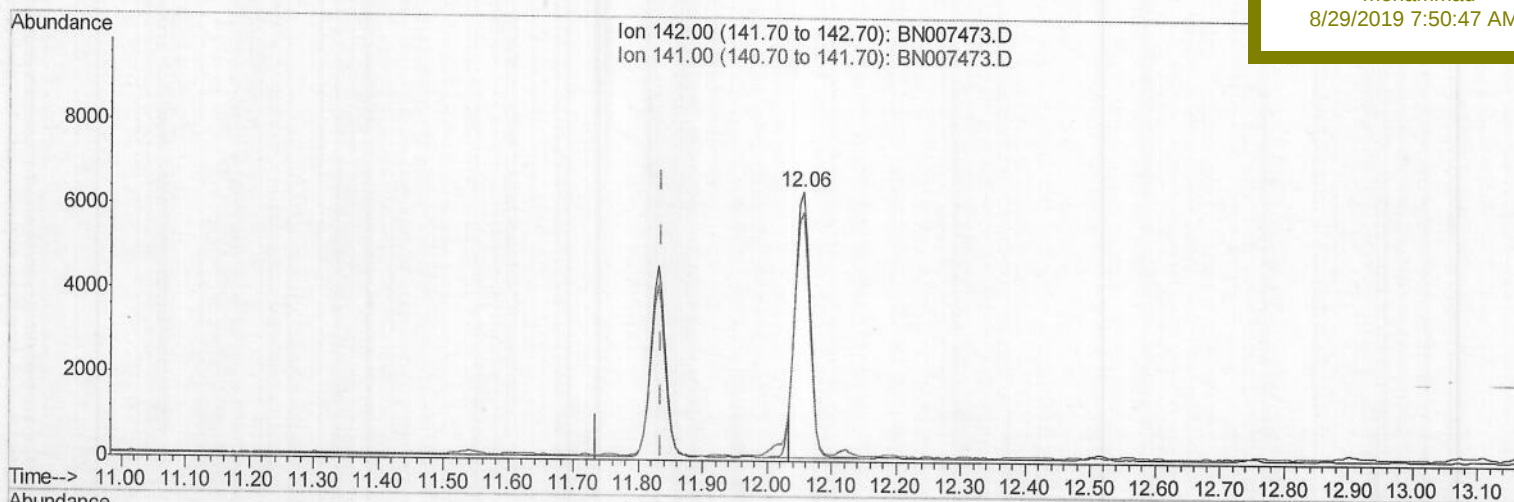
C0AD6

Manual Integrations

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TIC: BN007473.D

(5) 2-Methylnaphthalene

12.056min (+0.220) 0.25ng/ul

response 10332

Ion	Exp%	Act%
142.00	100	100
141.00	89.60	95.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 18:58:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleID :

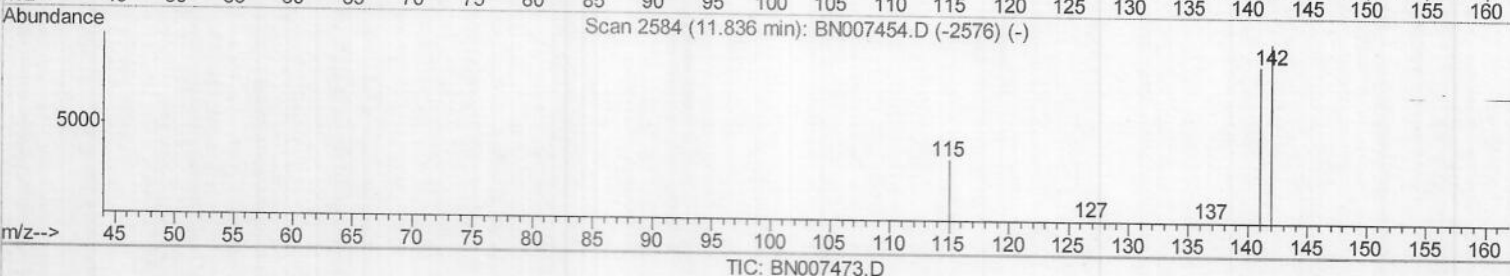
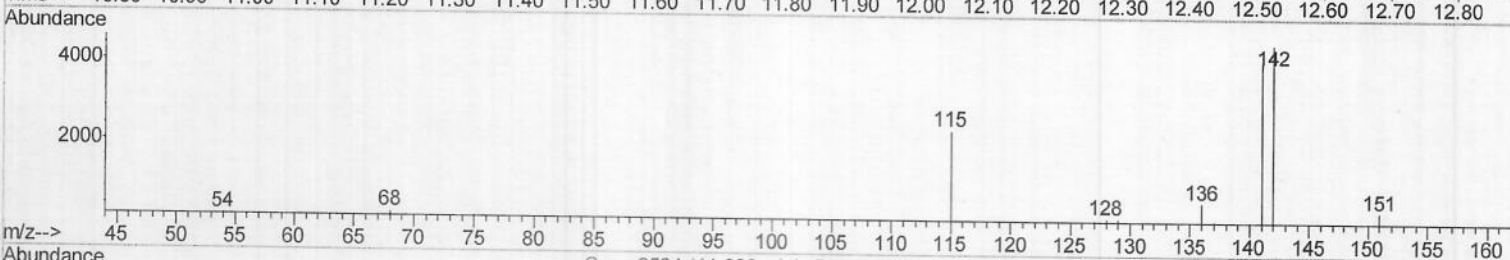
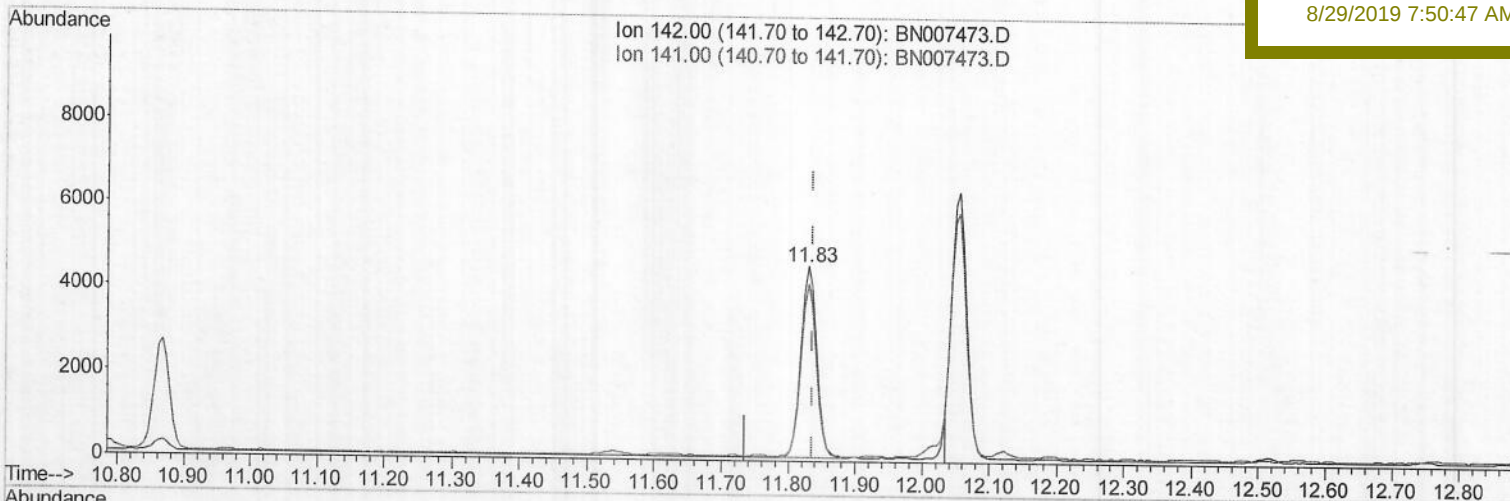
C0AD6

Manual Integrations

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(5) 2-Methylnaphthalene

11.830min (-0.006) 0.18ng/ul m

response 7344

SV
08/29/19

Ion	Exp%	Act%
142.00	100	100
141.00	89.60	133.71#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 18:58:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

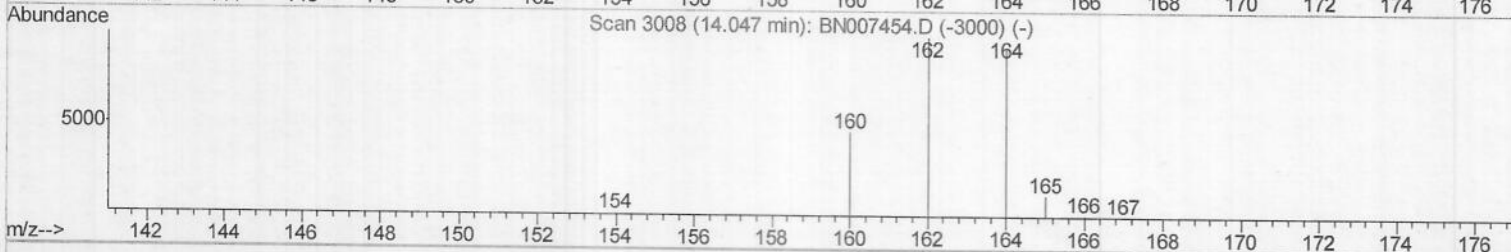
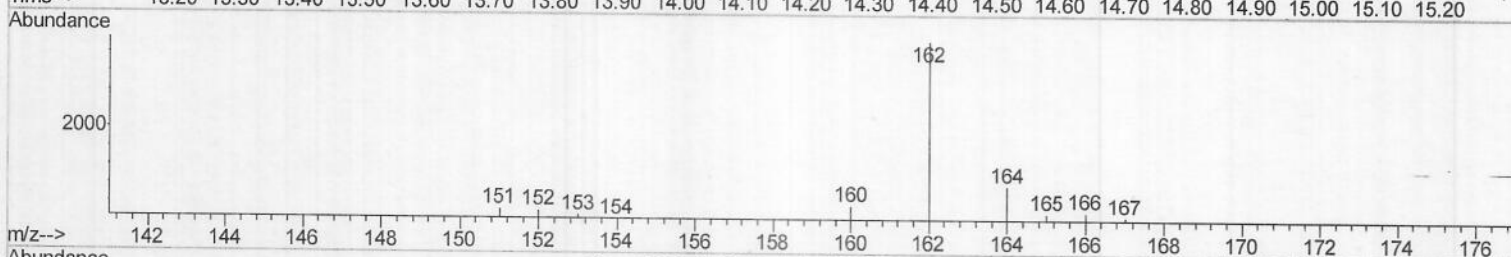
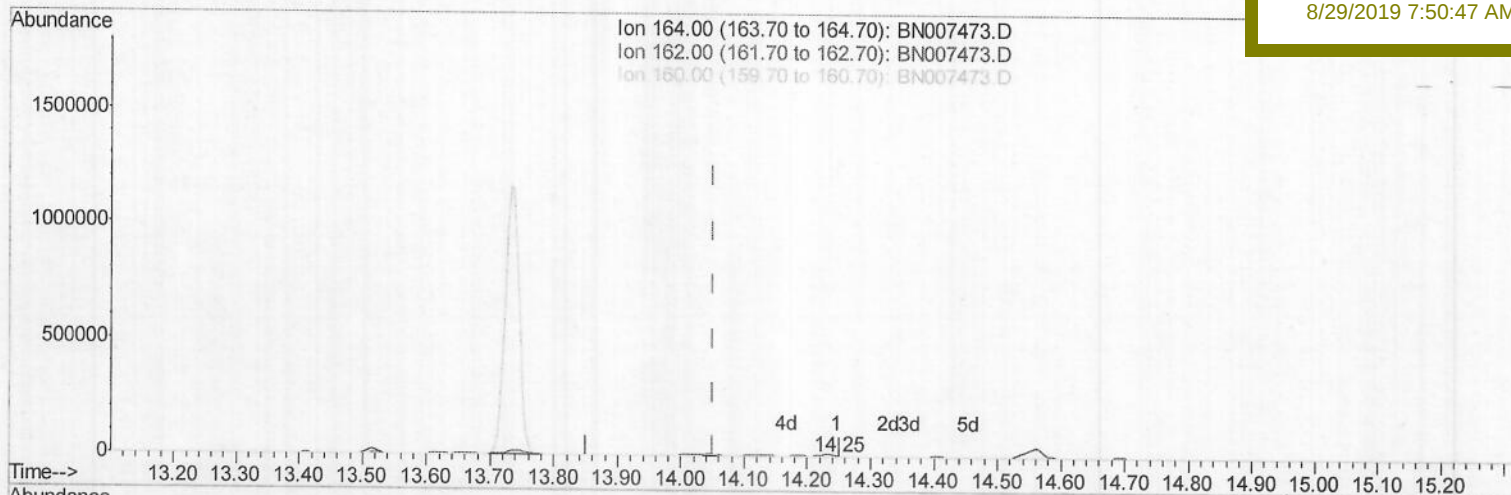
C0AD6

Manual Integrations

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TIC: BN007473.D

(6) Acenaphthene-d10 (I)

14.246min (+0.194) 0.40ng/ul

response 1454

Ion	Exp%	Act%
164.00	100	100
162.00	109.30	473.76#
160.00	50.50	48.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 18:58:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

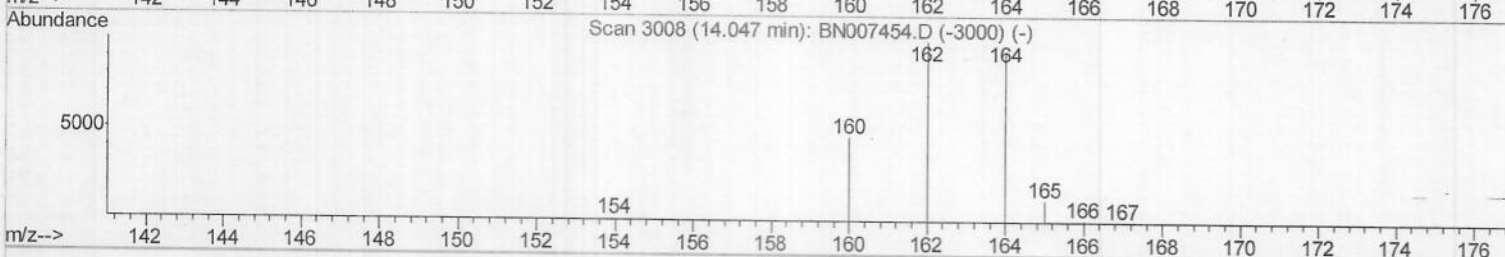
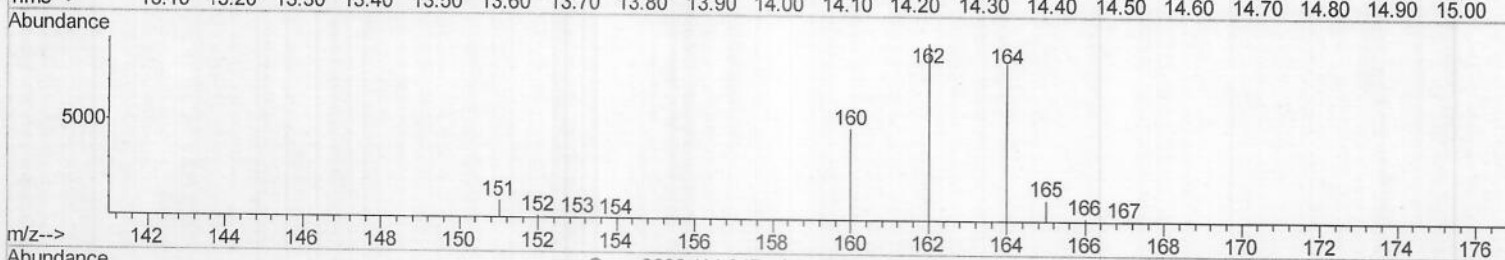
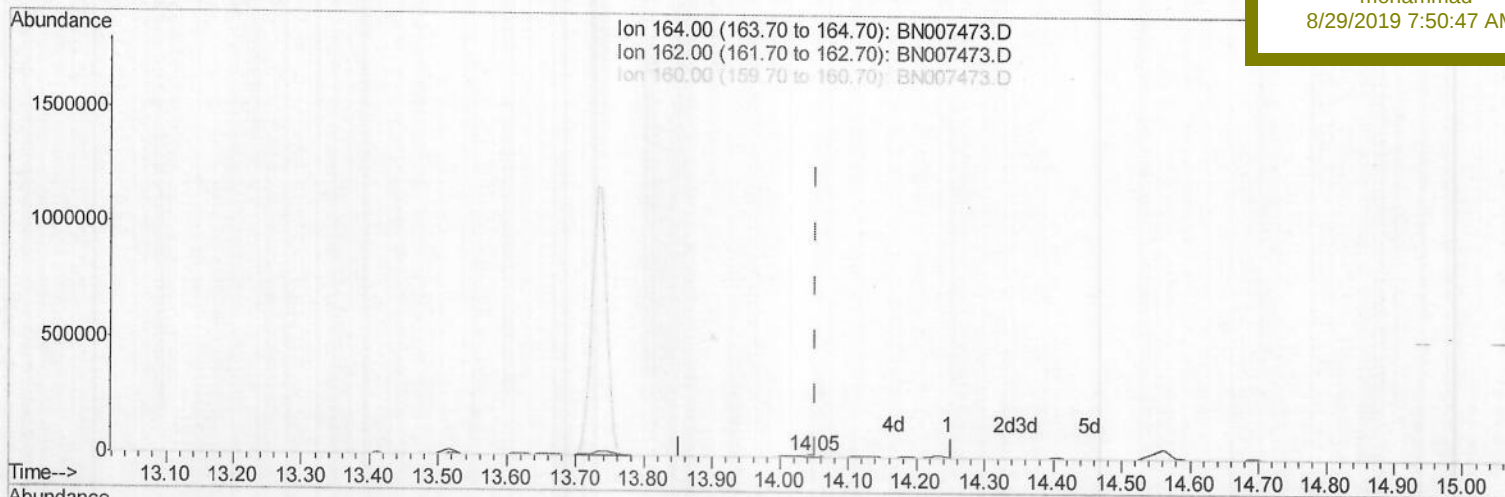
Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

C0AD6

Manual Integrations
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8/29/2019 7:50:47 AM

TIC: BN007473.D

(6) Acenaphthene-d10 (I)

14.047min (-0.005) 0.40ng/ul m

response 12077

Ion	Exp%	Act%
164.00	100	100
162.00	109.30	111.68
160.00	50.50	57.90
0.00	0.00	0.00

JU
08/29/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 19:00:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

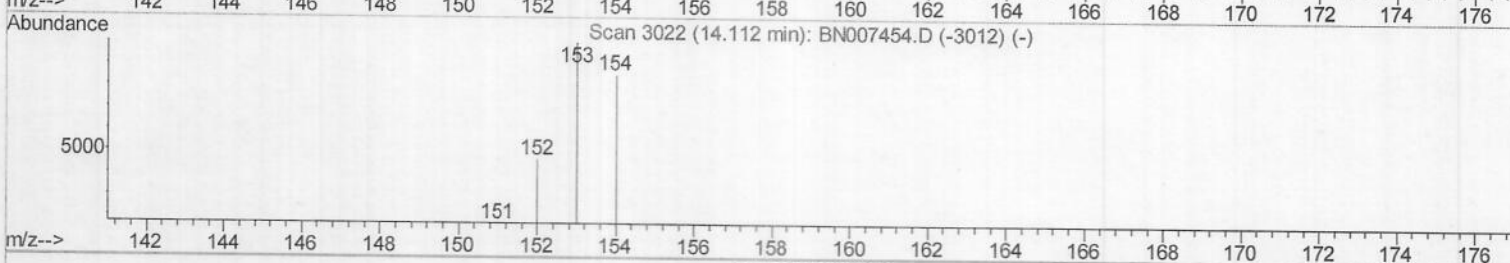
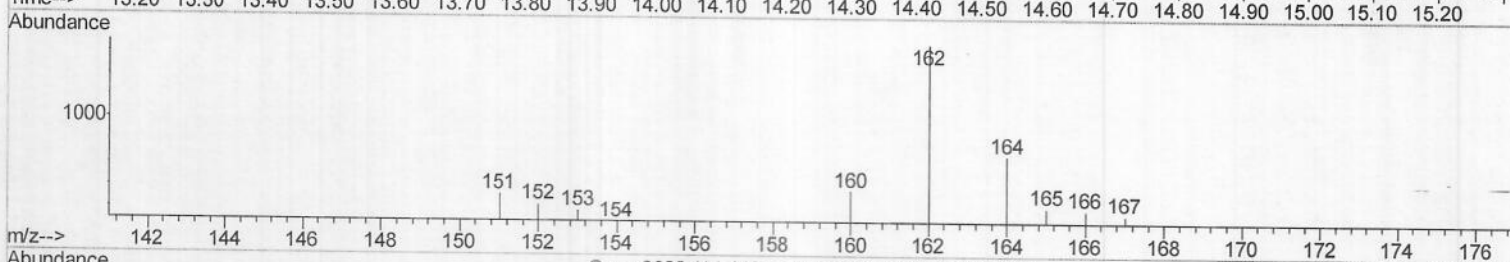
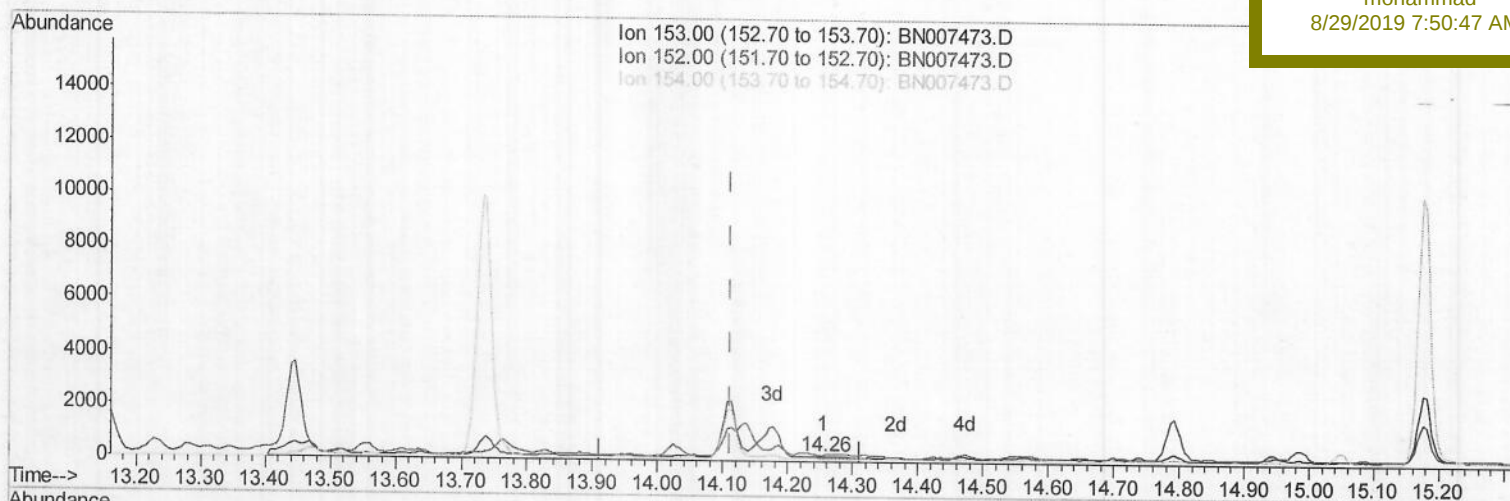
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AD6

Manual Integrations
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8/29/2019 7:50:47 AM

TIC: BN007473.D

(8) Acenaphthene (C)

14.255min (+0.143) 0.00ng/ul

response 74

Ion	Exp%	Act%
153.00	100	100
152.00	48.90	126.49#
154.00	86.80	48.11#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 19:00:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

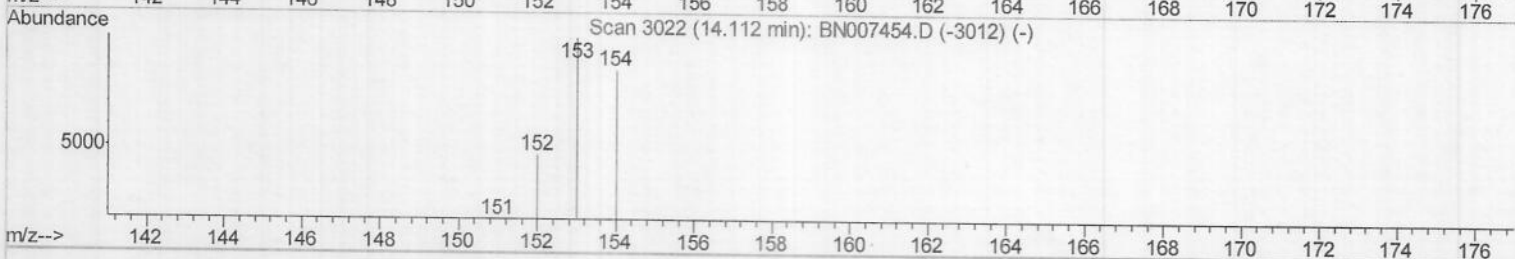
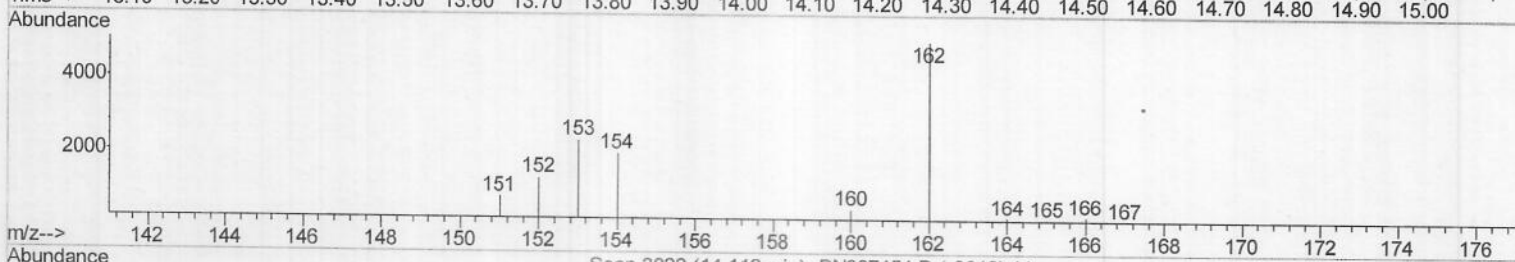
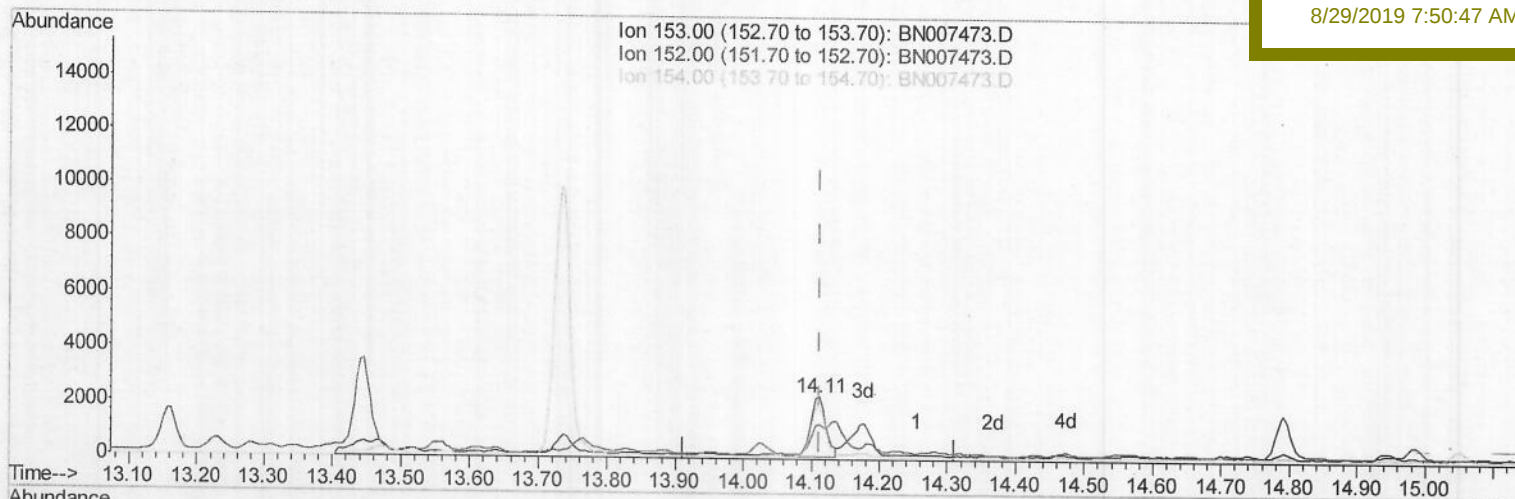
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AD6

Manual Integrations
APPROVEDmohammad
8/29/2019 7:50:47 AM

TIC: BN007473.D

(8) Acenaphthene (C)

14.112min (-0.000) 0.07ng/ul m

response 3300

Ion Exp% Act%

153.00 100 100

152.00 48.90 54.94

154.00 86.80 84.75

0.00 0.00 0.00

JU
08/28/19

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 19:00:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

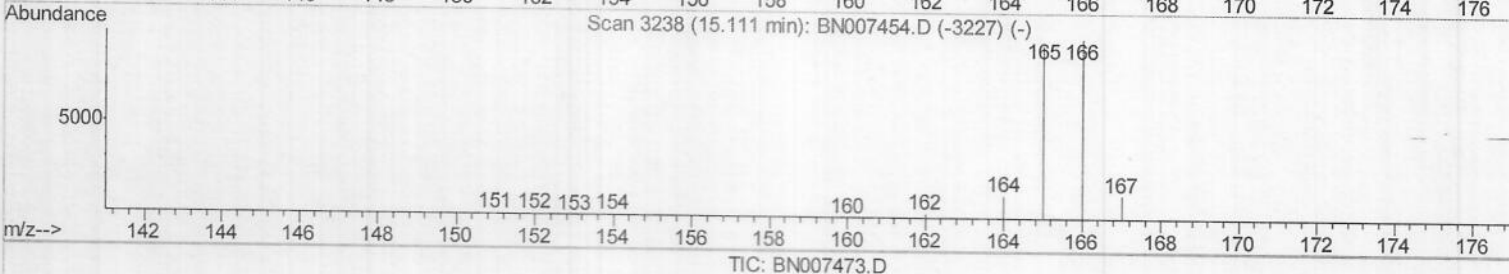
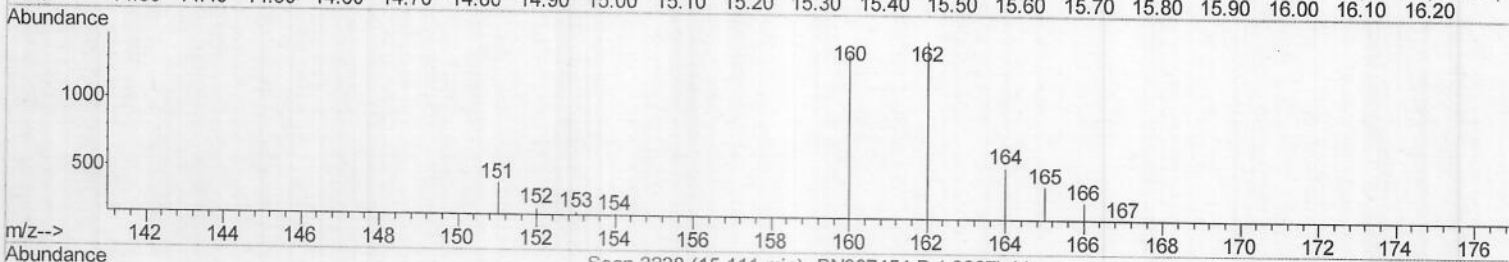
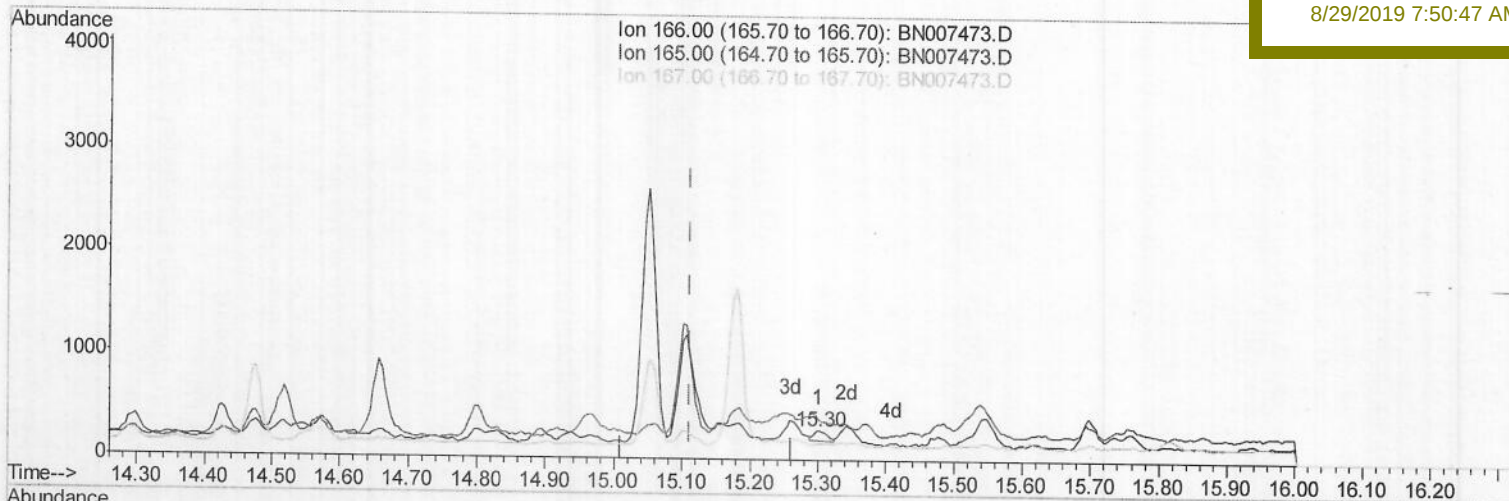
C0AD6

Manual Integrations

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mohammad

8/29/2019 7:50:47 AM



TIC: BN007473.D

(9) Fluorene

15.301min (+0.190) 0.00ng/ul

response 135

Ion	Exp%	Act%
166.00	100	100
165.00	99.50	141.43#
167.00	14.60	55.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 19:00:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

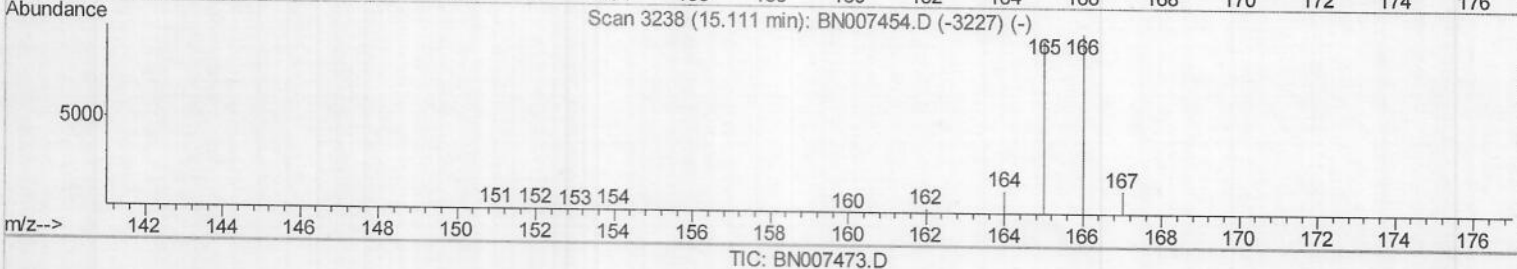
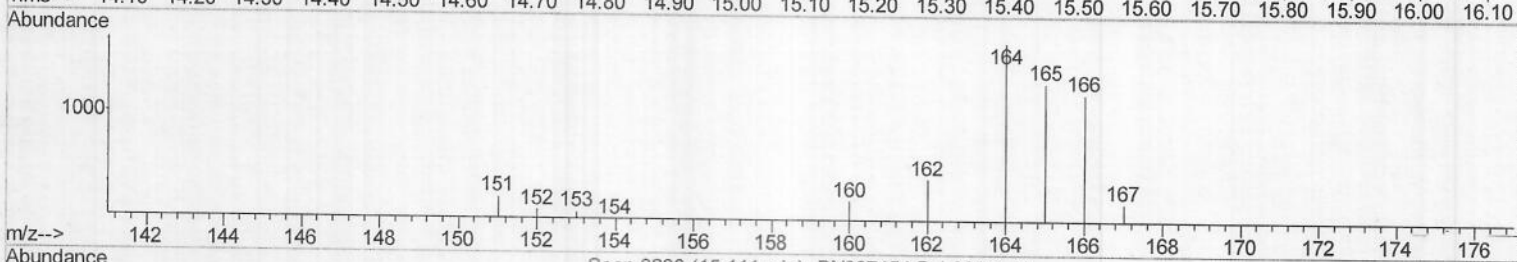
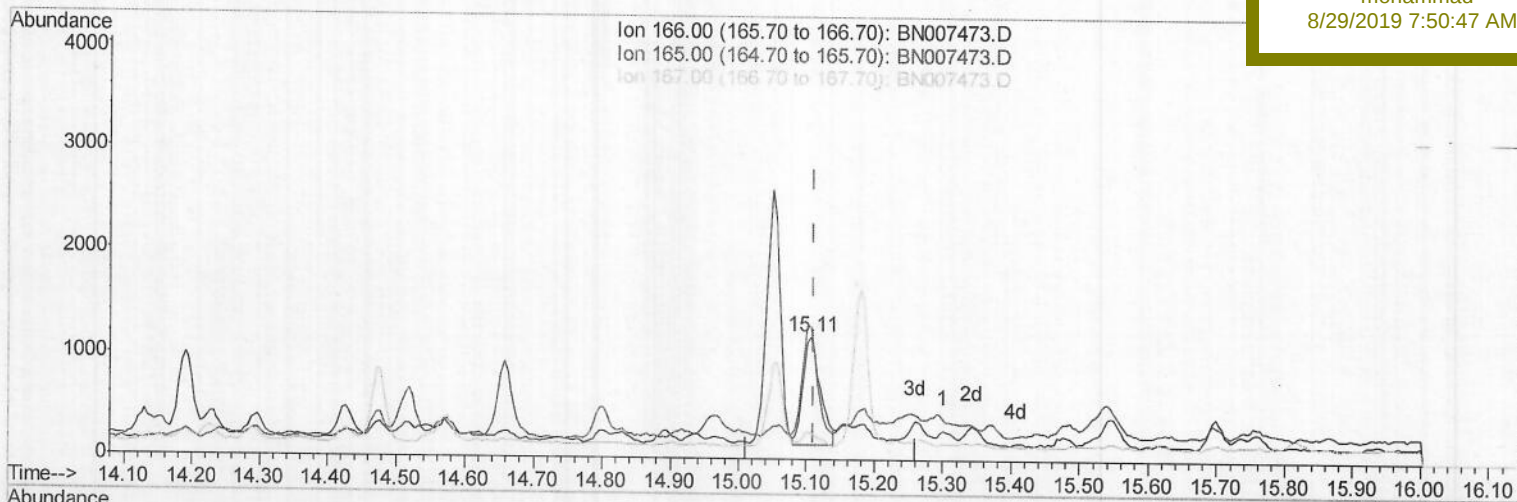
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AD6

Manual Integrations
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(9) Fluorene

15.106min (-0.005) 0.04ng/ul m

response 1842

Ion	Exp%	Act%
166.00	100	100
165.00	99.50	107.74
167.00	14.60	21.38#
0.00	0.00	0.00

JU
08/29/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 19:00:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

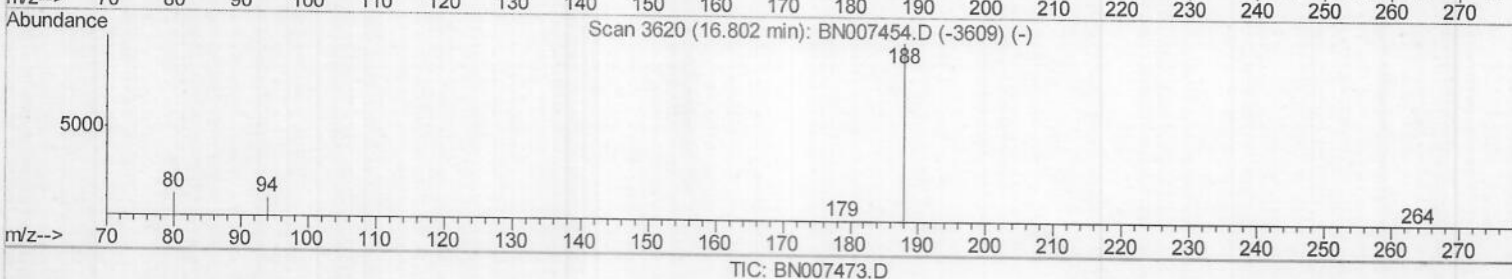
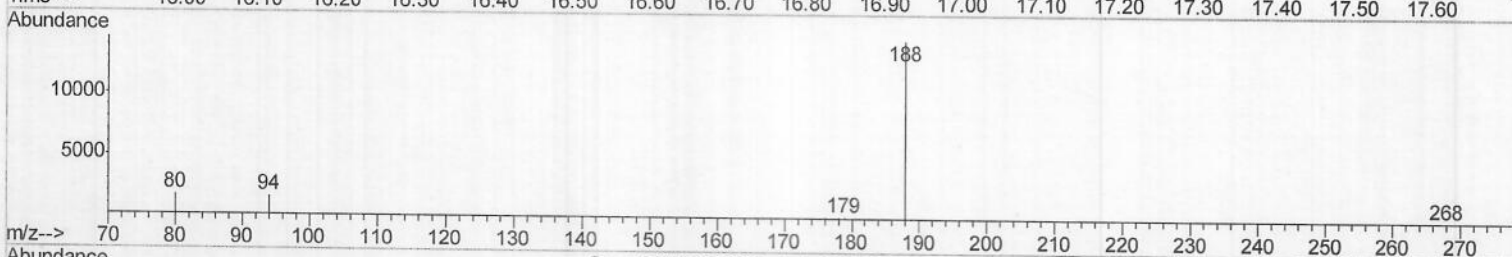
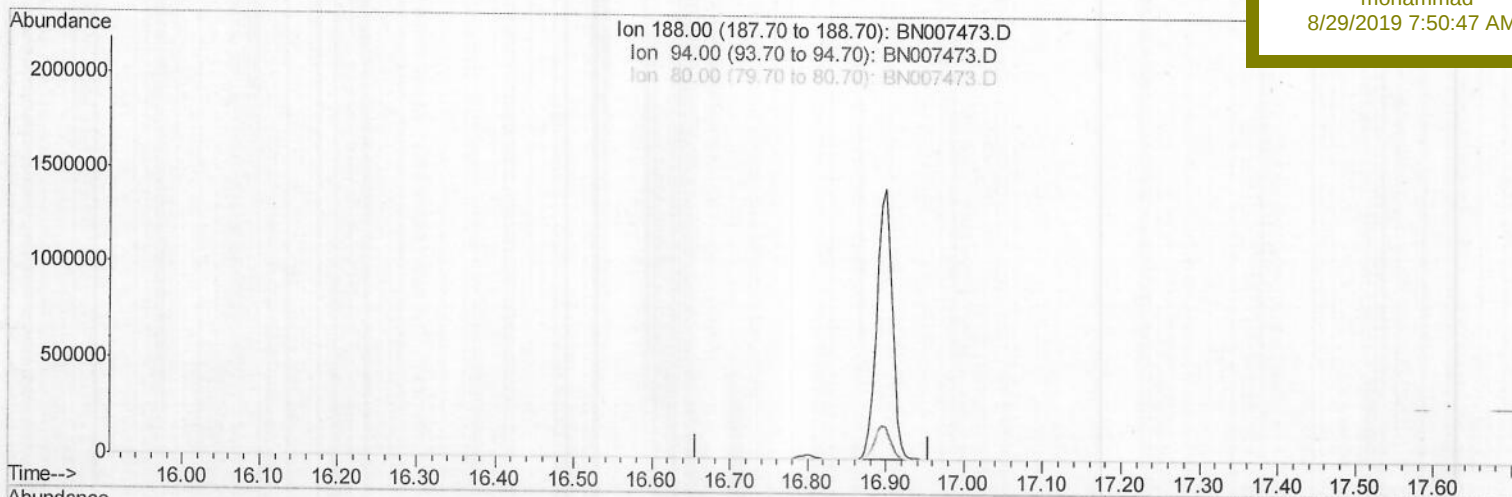
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AD6

Manual Integrations
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TIC: BN007473.D

(10) Phenanthrene-d10 (I)

16.806min (-16.806) 0.00ng/ul

response 0

Ion	Exp%	Act%
188.00	100	0.00
94.00	11.30	0.00#
80.00	12.40	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 19:00:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

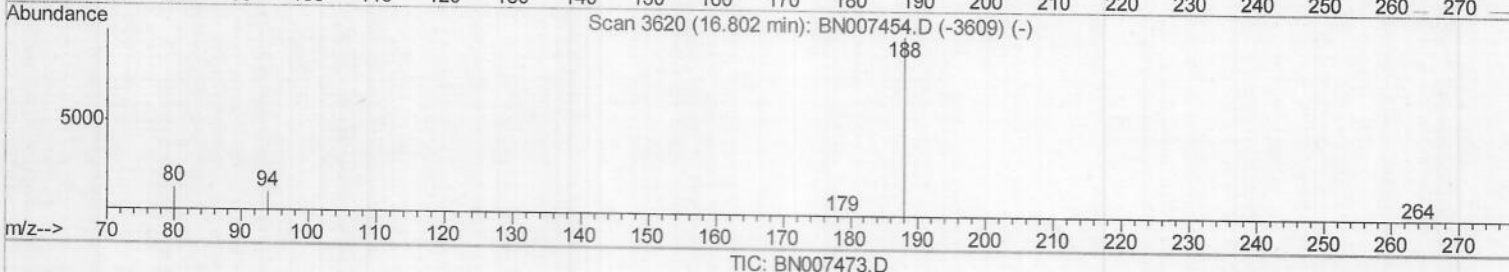
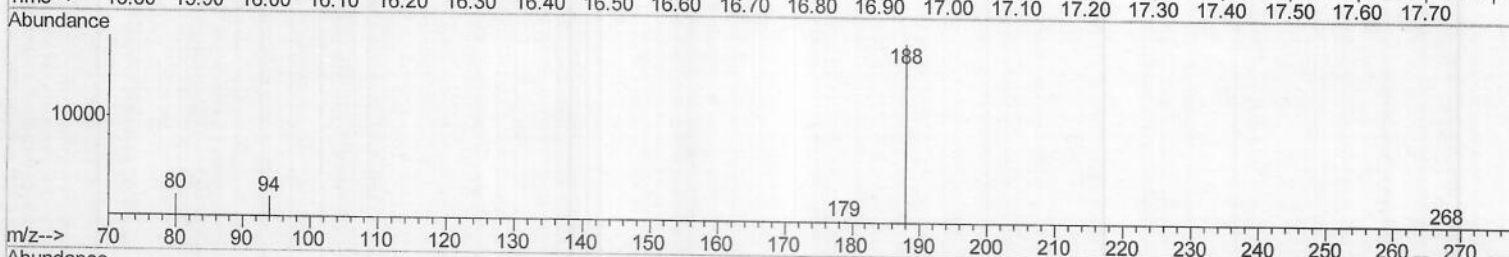
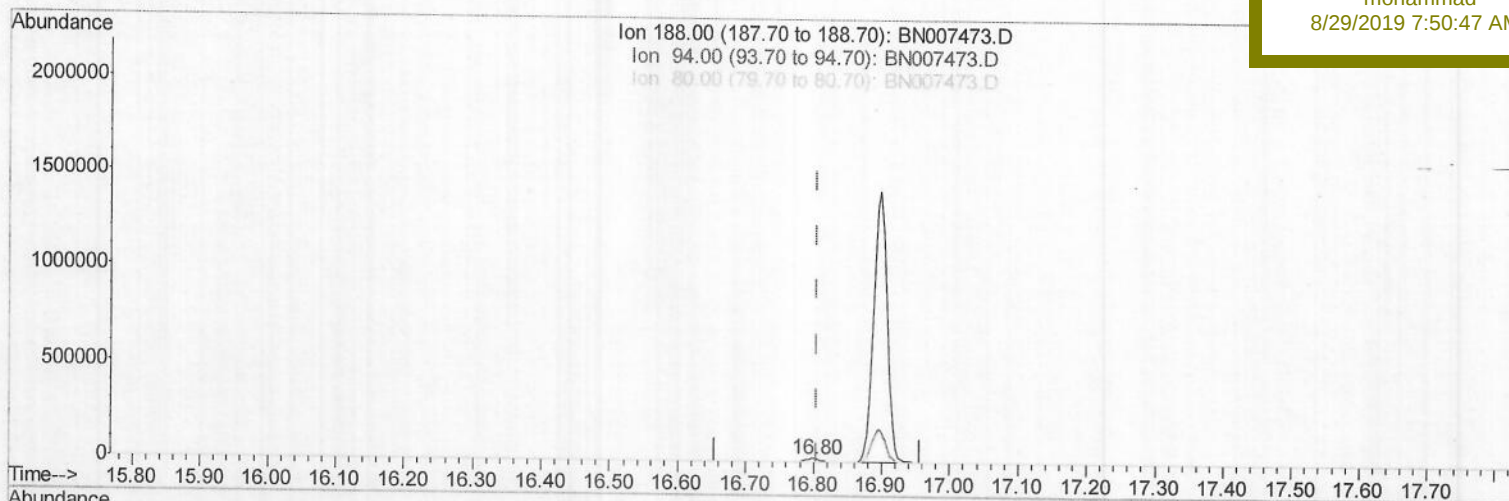
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

C0AD6

Manual Integrations
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(10) Phenanthrene-d10 (I)

16.802min (-0.004) 0.40ng/ul m

response 26280

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	11.16
80.00	12.40	12.24
0.00	0.00	0.00

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Quantitation Report (Qedit)

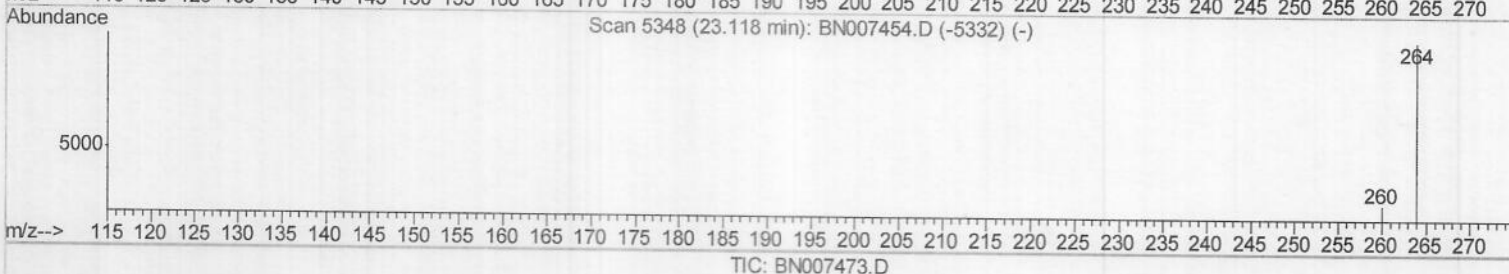
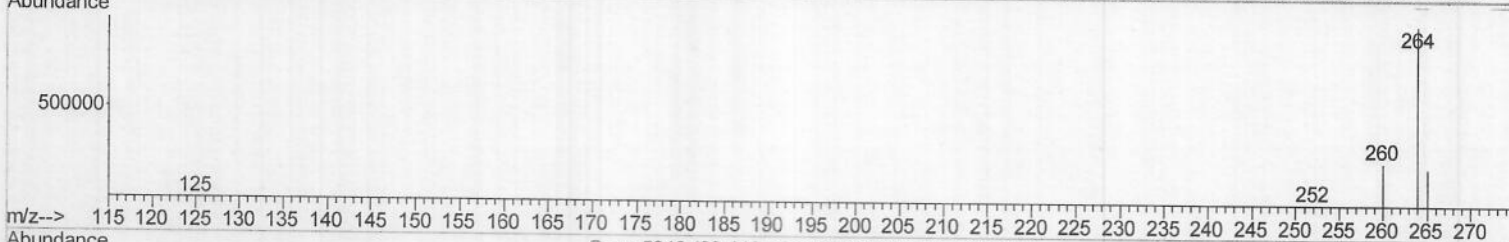
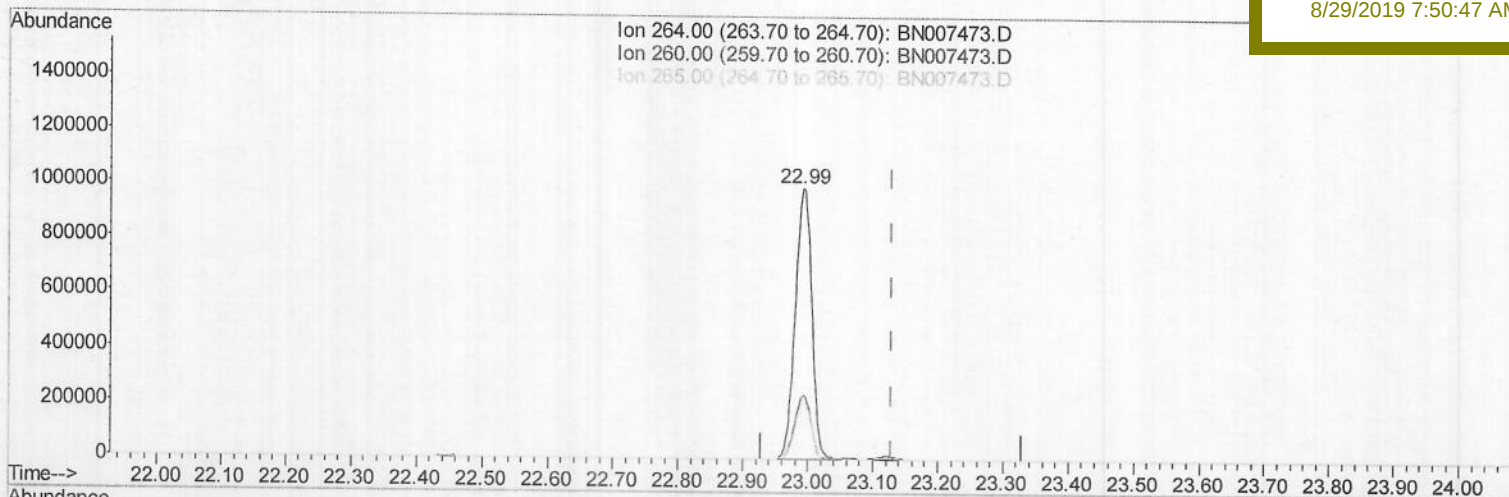
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
 Data File : BN007473.D
 Acq On : 28 Aug 2019 18:00
 Operator : HP/JU
 Sample : K4373-16
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 19:01:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 20:30:31 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 C0AD6

Manual Integrations
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(20) Perylene-d12 (I)
 22.992min (-0.138) 0.40ng/ul
 response 1752705

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	23.69
265.00	35.80	21.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

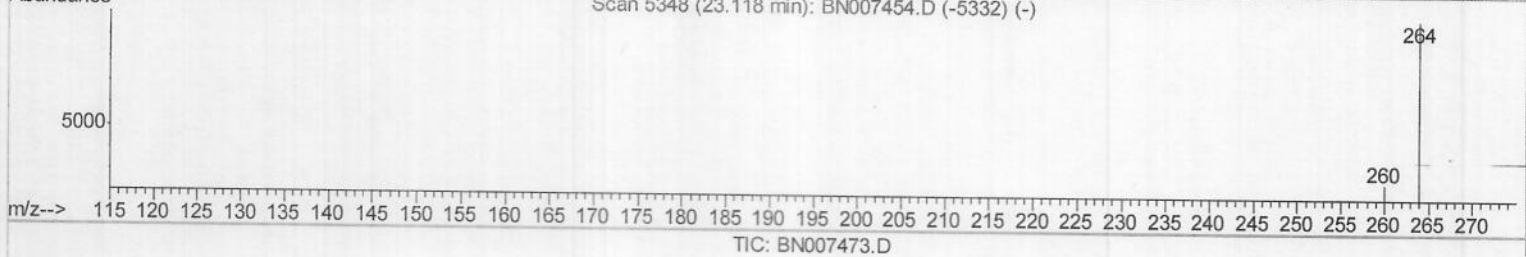
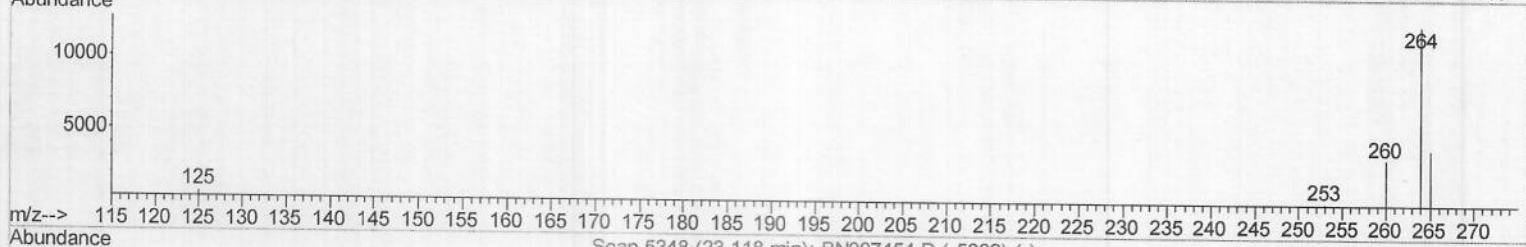
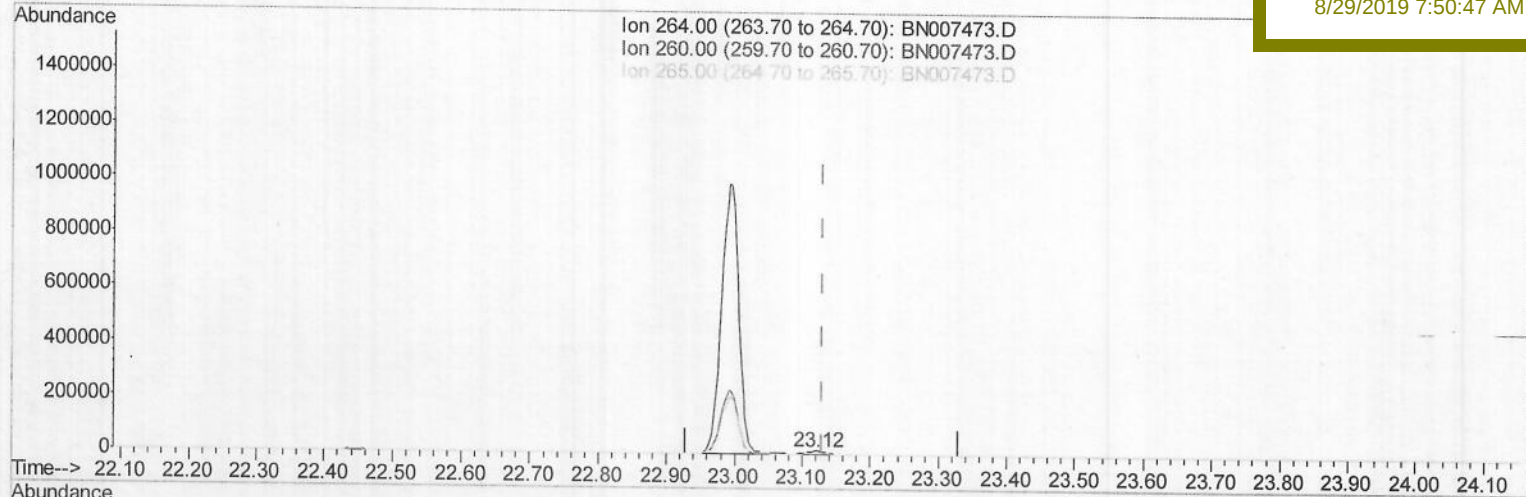
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
 Data File : BN007473.D
 Acq On : 28 Aug 2019 18:00
 Operator : HP/JU
 Sample : K4373-16
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 19:01:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 20:30:31 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 ClientSampleId :
 C0AD6

Manual Integrations
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(20) Perylene-d12 (I)

23.121min (-0.009) 0.40ng/ul m

response 18456

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	27.63
265.00	35.80	33.18
0.00	0.00	0.00

JU
 08/29/19

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\

Data File : BN007473.D

Acq On : 28 Aug 2019 18:00

Operator : HP/JU

Sample : K4373-16

Misc :

ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 28 19:03:50 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 27 20:30:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

C0AD6

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	4961	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	21776m)	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	12077m)	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	26280m)	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	21208	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	18456m)	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.75	152	10201m)	0.30	ng/ul)	0.00
14) Fluoranthene-d10	18.84	212	25165	0.29	ng/ul	0.00

Target Compounds

					Qvalue	
3) Naphthalene	10.20	128	97662m)	1.588	ng/ul	
5) 2-Methylnaphthalene	11.83	142	7344m)	0.178	ng/ul	
8) Acenaphthene	14.11	153	3300m)	0.068	ng/ul	
9) Fluorene	15.11	166	1842m)	0.035	ng/ul	
12) Phenanthrene	16.84	178	2858	0.035	ng/ul#	86

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